Pulsar®

www.pulsar.pl

2018

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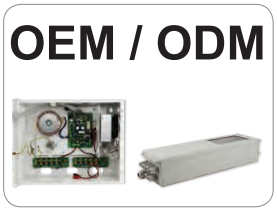

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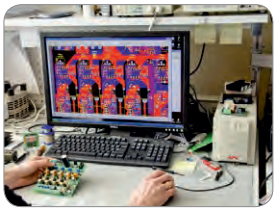

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Buffer power supply units

HPSB series 30

- switch mode
- 13,8VDC / 27,6VDC / 48VDC / 54VDC

GREEN POWER

HPSBOC series 31

- switch mode
- 13,8VDC / 27,6VDC / 54VDC
- with technical outputs

GREEN POWER plus

AWZ series 32

- linear
- 13,8VDC

GREY POWER

AWZ plus series 33

- linear
- 13,8VDC / 27,6VDC
- with technical outputs
- compliant with EN50131-6 standard for alarm systems – GRADE2

GREY POWER plus

PSBS series 34

- switch mode, with transformer
- 13,8VDC / 27,6VDC
- with technical outputs

BLUE POWER

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Buffer power supply units

PSBEN series 35

- switch mode, with transformer
- 13,8VDC / 27,6VDC
- with technical outputs
- compliant with EN50131-6 standard for alarm systems – GRADE3

BLACK POWER

EN54 series 37

- switch mode, with transformer
- 27,6VDC
- EN54-4 certified

RED POWER

Accessories for PSBEN; EN54 series 39

- fuse modules for power supply units of EN54 series
- Interfaces, programmer (LAN, WiFi, RS485, USB)
- „PowerSecurity” application

PSBSH series 41

- switch mode, with transformer
- 13,8VDC
- with technical outputs
- IP65 hermetic enclosure

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Enclosed power supply units

PS series 42

- switch mode
- 12VDC / 48VDC

PSB series 43

- switch mode
- buffer 13,8VDC / 27,6VDC / 54VDC

PSBOC series 44

- switch mode
- buffer 13,8VDC / 27,6VDC / 54VDC
- with technical outputs

PSBSOF series 45

- switch mode, with transformer
- buffer 13,8VDC / 27,6VDC
- with technical outputs

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PoE switches for IP cameras
(compliance with IEEE 802.3af / at)

S series **46**

- PoE switches for IP cameras with power supply
- 10/100Mb/s ports
- number of outputs: 4 / 8 IP cameras

SF series **47**

- PoE switches for IP cameras with power supply
- with SFP socket
- 10/100Mb/s and 1Gb/s ports
- number of outputs: 8 / 16 IP cameras

SG series **48**

- PoE switches for IP cameras with power supply
- 1Gb/s ports
- number of outputs: 4 / 8 IP cameras

S...-C, SG...-C, SF...-C series **49**

- PoE switches for IP cameras with power supply unit in metal enclosure
- number of outputs: 4 / 8 / 16 IP cameras

S...-CR, SF...-CR series **50**

- PoE switches for IP cameras with power supply unit in metal enclosure
- number of outputs: 4 / 8 / 16 IP cameras
- recorder space

PoE switches with buffer power supply unit for IP cameras and NVR
(compliance with IEEE 802.3af / at)

S...-B, SG...-B, SF...-B series **51**

- PoE switches for IP cameras with buffer power supply unit
- number of outputs: 4 / 8 / 16 IP cameras

S...-BR, SF...-BR series **52**

- PoE switches for IP cameras and NVR with buffer power supply unit
- number of outputs: 8 IP cameras + recorder 12VDC / 5A

S...-CRB, SF...-CRB series **53**

- PoE switches for IP cameras and NVR with buffer power supply unit
- number of outputs: 4 / 8 / 16 IP cameras + recorder 12VDC / 5A
- recorder space

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For RACK 19” cabinets

PoE switches for IP cameras
(compliance with IEEE 802.3af / at)

SF series **54**

- PoE switches for IP cameras with power supply desktop, with SFP socket
- number of outputs: 8 / 16 IP cameras
- mounting brackets for RACK 19” included

RS, RSG, RSF series **55**

- PoE switches for IP cameras with power supply
- number of outputs: 4 / 8 / 16 IP cameras

PoE switches with buffer power supply for IP cameras
(compliance with IEEE 802.3af / at)

RSUPS, RSFUPS series **56**

- PoE switches with buffer power supply for IP cameras
- number of outputs: 8 / 16 IP cameras

PoE switches with buffer power supply for IP cameras and NVR
(compliance with IEEE 802.3af / at)

RSUPS...R, RSFUPS...R series **57**

- PoE switches with buffer power supply for IP cameras and NVR
- number of outputs: 8 / 16 IP cameras + recorder 12VDC / 4A

For DIN rail

PoE switches for IP cameras

DS, DSF series **58**

- PoE switches for IP cameras – for DIN rail without power supply
- number of outputs: 4 / 8 IP cameras

DSA, DSFA series **59**

- PoE switches for IP cameras – for DIN rail with power supply
- number of outputs: 4 / 8 IP cameras

DSB, DSFB series **60**

- PoE switches for IP cameras – for DIN rail with buffer power supply
- number of outputs: 4 / 8 IP cameras

SFP fiber optic modules for switches of SF... series

GBIC series **61**

- fiber type: single mode (SM) / multimode (MM)
- optical connector Type: LC / SC

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PoE power supply units for IP cameras

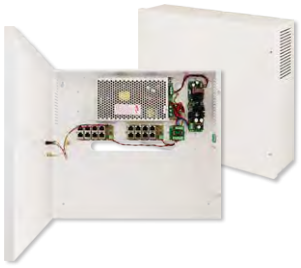
PoE series - economical version **62**

- 48VDC
- number of outputs: 4 / 8 / 16 cameras – RJ45 type

PoE series **63**

- 48VDC
- number of outputs: 4 / 8 / 16 cameras – RJ45
- fuse type: glass fuse / PTC
- plate for mounting switch
- with fault outputs

PoE buffer power supply units for IP cameras



PoE series - economical version **64**

- buffer 48VDC / 54VDC
- number of outputs: 4 / 8 / 16 cameras – RJ45 type

PoE series **65**

- buffer 54VDC
- number of outputs: 4 / 8 cameras – RJ45 type
- fuse type: glass fuse / PTC
- plate for mouting switch
- with fault outputs

PoE buffer power supply units – 27,6VDC

PoE series **66**

- buffer 27,6VDC
- number of outputs: 4 × Access Point – RJ45
- fuse type: glass fuse / PTC
- with fault outputs

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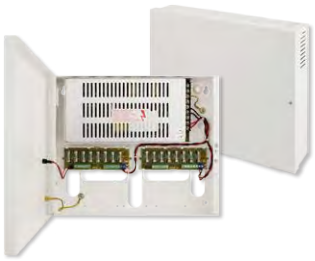
Multi-output power supply units
(HD-CVI / HD-TVI / AHD cameras, access control, other applications)



PSDC...T series **67**

- 12VDC
- number of outputs: 4 / 5 / 8 / 9 / 16 (e.g. cameras HD)
- fuse type: glass fuse

PSDCS series **68**

- 12VDC
- number of outputs: 8 / 16 (e.g. cameras HD)
- fuse type: glass fuse
- with independently adjustable voltage and with galvanic isolation of each section

PSDCR series **69**

- 12VDC
- number of outputs: 8 / 16 (e.g. cameras HD)
- fuse type: glass fuse
- with recorder space

PSDC series **70**

- 12VDC
- number of outputs: 4 / 8 / 16 (e.g. cameras HD)
- fuse type: glass fuse / PTC
- with fault outputs

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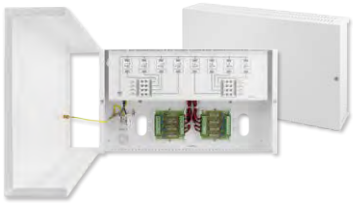
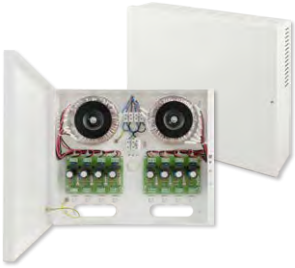
Multi-output power supply units
(HD-CVI / HD-TVI / AHD cameras, access control, other applications)



PSDCSEP series 71

- 12V÷15VDC each output channel independently adjustable
- number of outputs: 4 / 8 (e.g. cameras HD)
- fuse type: glass fuse
- with galvanic separation of each channel



PSCU series 72

- solution for long sections (above 100m) of camera power cables
- 34VDC with galvanic separation of each channel
- cooperating witch DCDC10H / 15H converters
- number of outputs: 4 / 8 (e.g. cameras HD)

PSAC series 73

- ~24VAC or ~27VAC
- number of outputs: 4 / 8 (e.g. cameras HD)
- fuse type: glass fuse / PTC
- with fault outputs

PSACH series 74

- ~24VAC or ~27VAC
- number of outputs: 1 / 4 (e.g. cameras HD)
- fuse type: glass fuse / PTC
- IP65 hermetic enclosure
- with fault outputs

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Multi-output buffer power supply units
(HD-CVI / HD-TVI / AHD cameras, recorders, access control, other applications)

PSDCB series **75**

- buffer 13,8VDC
- number of outputs: 5 / 9 / 16 (e.g. cameras HD)

Buffer power supply units for HD cameras and DVR

PSUPS series **76**

- buffer 13,8VDC
- buffer power supply unit for cameras and recorder
- number of outputs: 16 cameras HD 13,8VDC + recorder 12VDC / 5A

PSUPS... CR series **77**

- buffer 13,8VDC
- buffer power supply unit for cameras and recorder
- number of outputs: 16 cameras HD 13,8VDC + recorder 12VDC / 5A
- with recorder space

PSUPS...CRT series **78**

- buffer 13,8VDC
- buffer power supply unit for cameras and recorder
- number of outputs: 16 cameras HD 13,8VDC + recorder 12VDC / 5A
- with recorder space
- P-TRPV120 transmitters for conecting cameras are included

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For RACK 19” cabinets

Multi-output power supply units
(HD-CVI / HD-TVI / AHD cameras, access control, other applications)

R series **79**

- 12VDC / 24VDC
- number of outputs: 8 / 16 (e.g. cameras HD)
- fuse type: glass fuse / PTC

RAC series **80**

- ~24VAC
- number of outputs: 8 (e.g. cameras HD)
- fuse type: glass fuse / PTC

RP series **81**

- PoE Power Supply – 48VDC
- number of outputs: 8 / 16 – RJ45 (e.g. IP cameras)
- fuse type: PTC

Buffer power supply units
(HD-CVI / HD-TVI / AHD cameras, access control, other applications)

ROUPS series – single output **82**

- buffer 13,8VDC / 27,6VDC / 54VDC
- number of outputs: 1
- fuse type: glass fuse
- dedicated for RLB series

RLB series **83**

- RACK fuse board
- number of outputs: 8 / 16
- fuse type: glass fuse
- dedicated for power supply units of ROUPS series

RUPS series – multi-output **84**

- buffer 13,8VDC / 27,6VDC / 54VDC
- number of outputs: 8 (e.g. for cameras)
- fuse type: glass fuse / PTC

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For RACK 19” cabinets

Buffer power supply units
(HD-CVI / HD-TVI / AHD cameras, IP cameras, recorder)

ROUPS...VR series – single output **85**

- buffer 12VDC
- number of outputs: single output 12VDC / 5A (e.g. of recorder)
- fuse type: glass fuse

RUPS...R series **86**

- buffer 13,8VDC
- number of outputs: 16 HD cameras 13,8VDC + recorder 12VDC / 5A
- fuse type: glass fuse / PTC

RPUPS...R series **87**

- buffer 54VDC
- number of outputs: 12 IP cameras 54VDC + recorder 12VDC / 4A
- fuse type: PTC

Battery controllers

RCB, RC series **88**

- 12VDC / 24VDC / 48VDC
- cooperation with 13.8VDC / 27.6VDC / 54VDC uninterruptible power supply units

VAS Power System for PAVIRO system by BOSCH
(compliance with: EN54-4, EN12101-10 norms / standards)

DSOP24V **89**

- VAS cabinets
- Devices VAS: BOSCH – PAVIRO
- Fans, thermostat, batteries
- Power supplies for VAS
- Safety contact strip
- 230VAC voltage distribution terminal
- Indication panel
- Firefighter’s microphone power supply unit
- Enclosure of firefighter’s microphone
- CONFI-DSO – Configuration software for VAS

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Power supply units for DIN rail

DINB series 90

- buffer 13,8VDC / 27,6VDC

Plug-in and desktop type power supplies

PSA series 91

- 12VDC Plug-in type

PSD series 92

- 12VDC / 15VDC / 48VDC desktop type

PSR series 92

- desktop type with adjustable output voltage 12÷15VDC

PSC series 93

- 7,5VDC / 12VDC / 13,8VDC
- hermetic enclosure IP67

PSCL series 94

- 12VDC desktop type
- hermetic enclosure IP67

PSP series 95

- PoE power supply unit
- 48VDC / 52VDC desktop type

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Accessories for CCTV cameras - HD cameras

Protectors, transmitters... 96

- surge protectors
- transmitters
- galvanic separators
- for cat. 5e UTP cables
- for 75Ω coa×ial cables
- for 12VDC power cords

Accessories for CCTV cameras - IP cameras

Adapters / Splitters 97

- PoE adapters
- PoE splitters

Extenders PoE 98

- increases Ethernet and PoE power range by 100 meters
- „open frame” / IP65 hermetic enclosure

SFP fiber optic modules for switches of SF... series 61

- fiber type: single mode (SM) / multimode (MM)
- optical connector Type: LC / SC

PoE modules for IP cameras 99

- RJ45
- without fuses
- with glass fuses and technical outputs

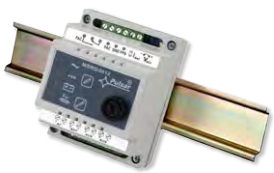
Buffer power supply modules

ML, MLR, MLRK series 100

- buffer
- linear 13,8VDC

MS, MSR, MSRK series 101

- buffer
- switch mode 13,8VDC / 27,6VDC
- with technical outputs



MSRD series 102

- switch mode 13,8VDC
- for DIN rail
- external transformer required

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DC/DC power converter modules

DC/DC series **103**

- step down
- step up
- step down and step up

DCDC...H series **104**

- step down
- hermetic – IP67

DC/DC series **104**

- step down
- in plastic enclosure

MST, MSC series **105**

- for mounting in CCTV enclosures
- step down converters AC/DC and DC/DC

Voltage reducers

RN series **106**

- reduce voltage:
  - 13,8VDC → 12VDC
  - 27,6VDC → 24VDC

Fuse modules, protection modules

Distribution modules **107**

- PTC
- glass fuse
- with technical outputs
  - jumper selectable fuse type: glass fuse / PTC
  - glass fuse
- in plastic enclosure
  - PTC
  - glass fuse
  - without a fuse – voltage distribution module

Straight-through **108**

- glass fuses (galvanic separation of each output)
- glass fuse with technical outputs
- 230VAC – glass fuse

Protection **109**

- overvoltage module
- electronic fuse with technical outputs

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Relay and time modules

Relay modules **110**

- AC/DC supply, fuse in C/NO/NC relay circuit
- DC power, fuse in coil circuit
- DC power, without fuse

Relay modules with T –, T + control inputs **111**

- DC power, without fuse

Time modules **111**

- multi-function relay – C/NO/NC – 230VAC
- with output OC
- with relays – C/NO/NC – 30VDC

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TRP, TRZ, TOR, EI series, others **112**

- range: 10÷150VA

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Accessories 163

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- cables
- tamper switches
- locks
- DIN rail brackets
- mounting elements
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Mean Well products

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- for DIN rail
- buffer
- for LED lighting

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- DC/AC
- DC/DC

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Enclosures for alarm control panels

Surface-mounted

Standard – fitted with transformer of TRP series **115**

- Universal
- SATEL
- PARADOX
- RISCO

Economical version – fitted with transformer of EI series **116**

- Universal
- SATEL
- PARADOX

GRADE 3 – fitted with transformer of TRP / TRZ / EI series **117**

- Universal
- SATEL
- PARADOX

Two-level – fitted with transformer of TRP series **118**

- Universal

With power supply of LRS series **118**

- RISCO

Empty – without transformer **119**

- Universal
- SATEL
- PARADOX

Empty – without transformer – GRADE 3 **119**

- SATEL

Empty – without transformer – INTEGRATOR **120**

- Universal

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Enclosures for alarm control panels

Flush-mounted

Fitted with transformer of TRZ series 121

- Universal

Empty – without transformer 121

- Universal

Enclosures for expanders

Surface-mounted

Standard 122

- Universal
- SATEL

GRADE 3 122

- Universal
- SATEL

Enclosures for keypads

123

- surface-mounted
- flush-mounted

Enclosures for radio and GSM transmitters

124

- radio and GSM

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125

- Bosch

Enclosure for VAS (Voice Alarm Systems)

126

- enclosure for loudspeaker line supervision system by Bosch

Enclosures for batteries

127

- surface mounted
- DIN rail mounted

Enclosures for power supply units

128

- Pulsar: PS series
- Mean Well: LRS, RS, RSP series

Enclosures for CCTV recorders

129

- horizontal
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DIN/RACK enclosures

131

- with DIN rails
- mounting plates
- RACK 19″ profiles

Enclosures with DIN rails

132

- surface-mounted
- flush-mounted
- flush-mounted with ventilation

Teletechnical enclosures

134

- residential – surface mounted – TOM
- residential – flush mounted – TOM
- universal with plywood – TUN

Others

138

- enclosure with cable frame
- fire safety instructions box
- enclosure for evacuation door key

Plastic enclosures - hermetic IP65

140

- with mounting plate – AWO series
- without mounting plate – AWP series

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RACK 19″ cabinets

RWA series – wall mounted, ready-to-assemble **142**

- 600 x 450
- 600 x 600

RW series – wall mounted, fully assembled **143**

- 600 x 450
- 600 x 600

RWD series – double section - fully assembled **144**

- 600 x 600

RS series – floor standing, ready-to-assemble **145**

- 600 x 600
- 600 x 800
- 600 x 1000
- 800 x 800
- 800 x 1000

ZRS series – floor standing, fully assembled **146**

- 600 x 600
- 600 x 800
- 600 x 1000

Accessories for RACK 19″ cabinets

Enclosure for alarm control panel – vertical **147**

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About us

PULSAR is company established in 1994. Its main profile is production of equipment and accessories for alarm, access control and CCTV systems. Currently, our production halls, warehouse and others plant departments cover 5000m².

Our company employs more than 230 people with high professional qualifications, working in each of following departments: production, construction and technological, marketing and administration. These allow us to ensure constant high quality of products and provided services.

Today, PULSAR is Polish leader in its sector, and has many clients in Europe, Middle East, USA and Africa.
Company position in market is result of high quality and reliability of our products, eperience and ecellent customer service.
Company policy ensures continuous increase in sales and expansion into new markets.
Company has been gradually extending training range and actively participates in fairs and trade events (e.g. SECUREX, IFSEC, ENERGETAB, ROMANIAN SECURITY FAIR, SICUREZZA, INTERSEC, NEW SECURITY, SAFETY EXPO, AUTOMATICON, SECURITY EXPO, INDELEX, SECTECH, SICUR, MIPS, SECUREXPO, EXPOPOWER), due to contacts with our customers and buyers.

SICUREZZA 2017 – ITALY

SICUREZZA
Fiera Milano, Rho 15-17 NOVEMBER 2017

IFSEC 2017 – UK

IFSEC International
SECURING PEOPLE, PROPERTY & ASSETS
20-22 JUNE 2017 EXCEL LONDON UK

EXPOPROTECTION 2016 – FRANCE

Expo PROTECTION

Products

PULSAR has been continuously extending its product range. New designs are result of thorough analysis of market needs and consultations with business partners. New products are being developed by our qualified Design Department engineering staff, who takes into account distributors' and fitters' comments and opinions in their designs.
Current product mix of our company includes:

Metal enclosures

- for I&HAS alarm systems
- for monitoring systems
- for ACC access control KD
- for CCTV

Power supply units for IP cameras

- PoE – buffer
- PoE

Metal enclosures with DIN rail

- with DIN rails
- with DIN rails / RACK profiles

Power supply units for HD cameras

- multi-output
- buffer
- PoE 27,6V
- hermetic
- 24VAC

Teletechnical enclosures

- universal for households
- universal with plywood

PoE switches

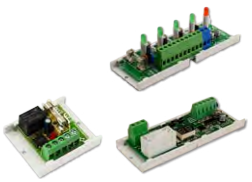
- in metal enclosure
- buffer
- for DIN rails
- in RACK 19″ enclosure

RACK 19"cabinets and accessories

- wall mounted cabinets
- floor standing cabinets
- power supply units
- PoE switches
- enclosures
- others

Modules

- buffer power supplies
- DC/DC voltage converters
- voltage reducers,
- fuse modules
- protection modules
- time modules



Buffer power supply units

- universal – 13,8/27,6/54VDC
- compliant with EN50131-6 standard for alarm systems
- in accordance with EN54-4
- standard for fire detection
- accessories
- batteries

AC/AC transformers

- TRP series – IP30
- TRZ series – IP43
- TOR series
- EI series
- others

Power supply units

- enclosed
- hermetic
- 24VAC
- open frame

Accessories

- for enslosures
- for power supply units

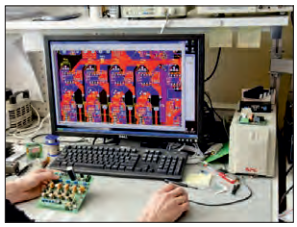
We are direct importer of Mean Well
Product offer is available at www.pulsar.pl/meanwell

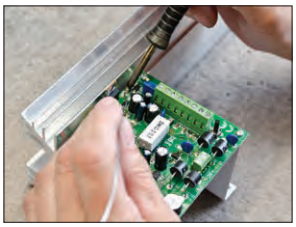
Available on request
(OEM / ODM)

Our company engage in on and comprehensively implements individual designs of metal enclosures and power supply units according to needs, specifications and designs submitted by our clients. Purpose for carrying out individual designs is to ensure client's maximum satisfaction. Therefore, rule we have approved as basis of our activity is to meet our clients' requirements so that they are fully satisfied with product and contact with our company.

Enclosures

Power supplies & Electronics

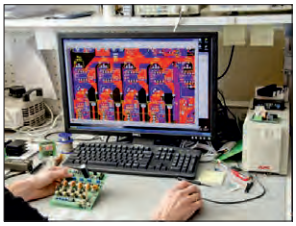




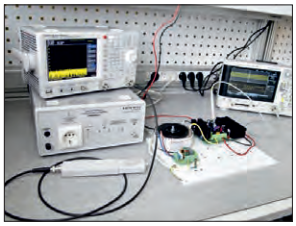
Design Department

Construction and Technological Department of our company is responsible for issues of product designs, selection and quality of employed materials, production technology for accessories, and preparing individual designs. We own suitable tooling and developed machinery stock, which allows us to implement both our own and external designs.

Design department



EMC laboratory



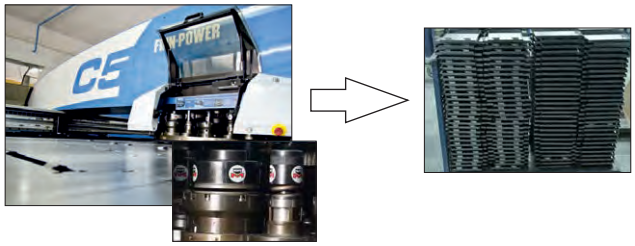
Quality – ISO 9001

In concern for product quality, our production process is based exclusively on highest quality components supplied by reliable distributors. Devices are subjected to repeated checks during each production stage. Having in mind legal and functional aspects, equipment is put through LVD and EMC tests in accredited research laboratories.
This is proven by valid CE certificates and certificates confirming equipment compliance with EN 50131 standard for alarm systems issued for selected products. High functional and technical quality is proven by our clients' opinions. Having obtained quality management system certificate ISO 9001, our company guarantees proper quality policy.

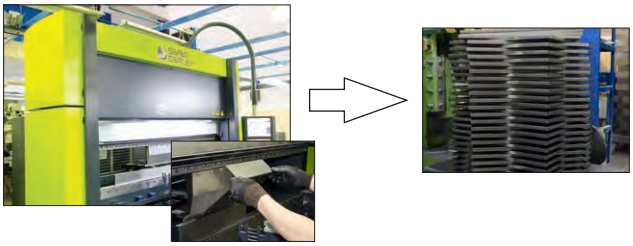
Machinery stock

PULSAR has been continuously modernising its machinery stock in order to improve quality of products, extend product mix and services, and reduce production costs. Currently, we have following machines and facilities:

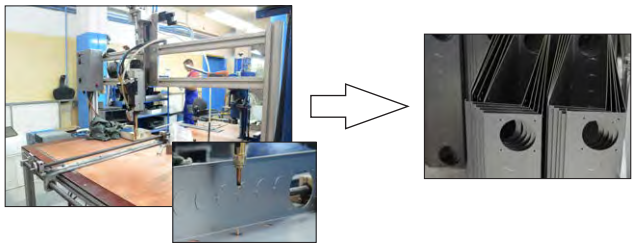
FINN-POWER numerical cutters



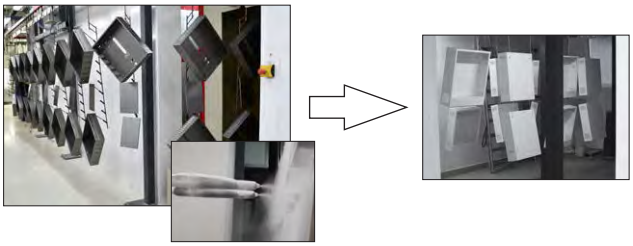
Press brakes, eccentric



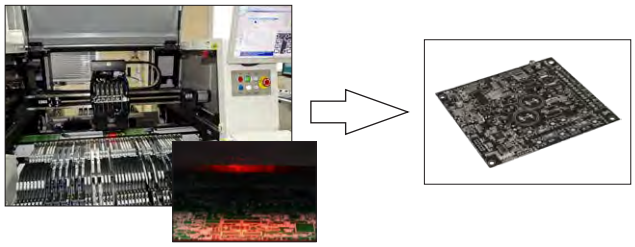
Welding machines



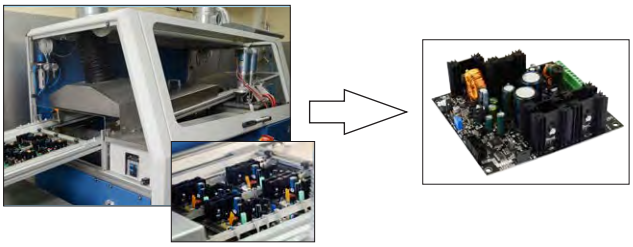
Powder coating line



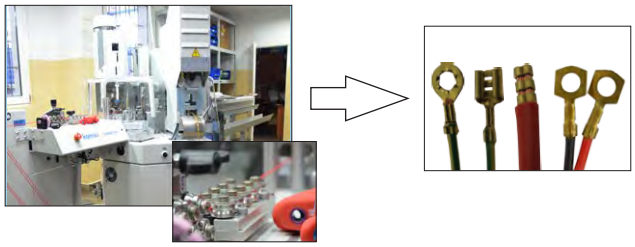
SMD (Surface Mounted Devices) assembly stations



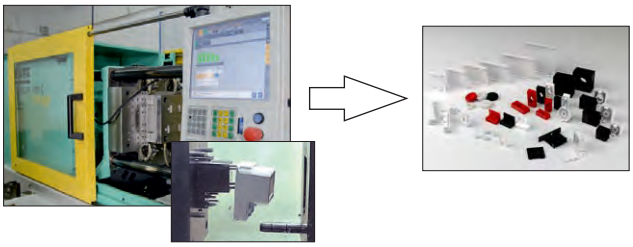
Wave soldering machine



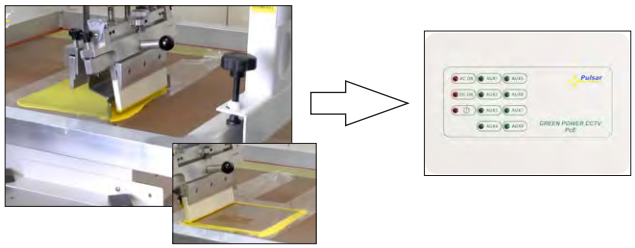
Wire processing machine



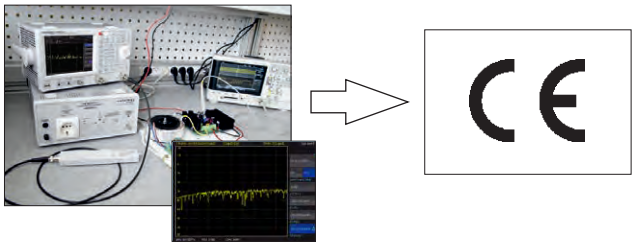
Injection moulding machines



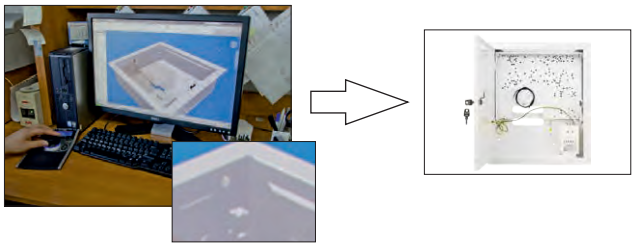
Screen printing

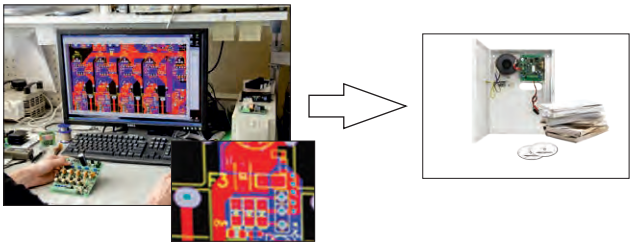


EMC laboratory



Design software: CAD “INVENTOR”, ALTIUM DESIGNER



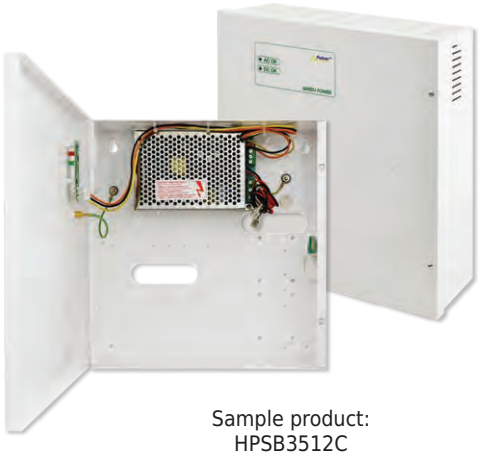


Buffer power supply units 13,8VDC / 27,6VDC / 48VDC / 54VDC switch mode
HPSB series

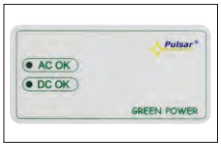
GREEN POWER

- power supply: 176÷264VAC
- impulse voltage stabilizer
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection *
  - surge protection
  - antisabotage protection
  - OHP overheat protection *
- warranty: 2 years from production date

* depending on model

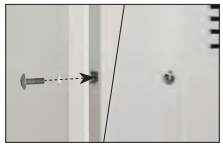


Sample product:
HPSB3512C

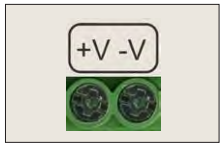


LED optical indication

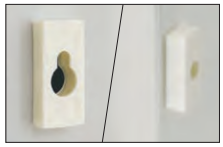
Tamper indicating enclosure opening – 1 piece


Closing – front mounting – 2 piecess

Power input terminals



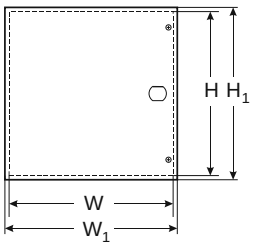
Power output terminals

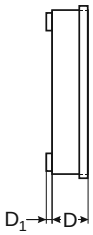

Distance from wall plastic 8mm (14mm*)

	Code	Total current	Battery charging current	Fitting battery	Dimensions W×H×D+D_1 [+/- 2mm]
13,8VDC	**HPSB1512B**	1,5A	0,5A	7Ah	200×230×82+8
	HPSB2512B	2,5A	0,5A	7Ah	250×250×82+8
	HPSB2512C	2,5A	0,5A	17Ah	280×292×82+8
	HPSB3512B	3,5A	0,5A	7Ah	250×250×82+8
	HPSB3512C	3,5A	0,5A	17Ah	280×292×82+8
	HPSB5512C	5,5A	0,5A	17Ah	280×292×82+8
	HPSB7012C	7,0A	1,0A / 2,0A	17Ah	280×292×82+8
	HPSB7012D	7,0A	1,0A / 2,0A	40Ah	320×350×173+8
	HPSB7012E	7,0A	1,0A / 2,0A	65Ah	400×350×173+8
	HPSB11A12C	11,0A	1,0A / 4,0A	17Ah	280×292×82+8
	HPSB11A12D	11,0A	1,0A / 4,0A	40Ah	320×350×173+8
	HPSB11A12E	11,0A	1,0A / 4,0A	65Ah	400×350×173+8
	HPSB20A12C	20,0A	2,0A / 4,0A / 8,0A	17Ah	400×350×92+8
	HPSB20A12E	20,0A	2,0A / 4,0A / 8,0A	65Ah	400×350×173+8
27,6VDC	**HPSB1824B**	1,8A	0,3A	2×7Ah	280×292×82+8
	HPSB3524B	3,5A	0,5A / 1,0A	2×7Ah	280×292×82+8
	HPSB3524C	3,5A	0,5A / 1,0A	2×17Ah	400×350×92+8
	HPSB5524C	5,5A	0,5A / 2,0A	2×17Ah	400×350×92+8
	HPSB5524D	5,5A	0,5A / 2,0A	2×40Ah	420×373×183+14
	HPSB10A24C	10,0A	1,0A / 2,0A / 4,0A	2×17Ah	400×350×92+8
	HPSB10A24D	10,0A	1,0A / 2,0A / 4,0A	2×40Ah	420×373×183+14
48VDC	**HPSB1248C**	1,2A	0,5A	17Ah	280×292×82+8
	HPSB2548C	2,5A	0,5A	2×17Ah	400×350×92+8
54VDC	**HPSB1348B**	1,3A	0,3A	4×7Ah	400×350×92+8
	HPSB2548B	2,5A	0,5A / 1,0A	4×7Ah	400×350×92+8
	HPSB5048C	5,0A	0,5A / 1,0A / 2,0A	4×17Ah	420×375×183+14

Accessories:

MPSB12/24/48
technical output module
OC and relay type





Buffer power supply units 13,8VDC / 27,6VDC / 54VDC switch mode, with technical outputs HPSBOC series

GREEN POWER plus

- power supply: 176÷264VAC
- impulse voltage stabilizer
- technical outputs OC and relay type:
  - EPS – 230V power failure AC
  - PSU – power supply failure
  - LoB – low battery voltage *
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection **
  - surge protection
  - antisabotage protection
  - OHP overheat protection **
- warranty: 2 years from production date

* - power supply unit does not feature battery detection function
** depending on model

Sample product:
HPSBOC3512C

LED optical indication

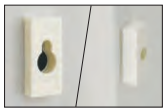
Tamper indicating enclosure opening – 1 piece

Power input terminals

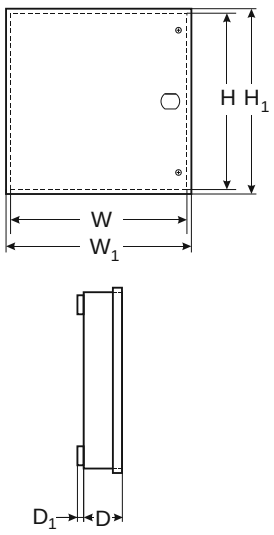
Power output terminals

Technical outputs (relay)

Technical outputs OC type


Distance from wall plastic 8mm (14mm*)

	Code	Total current	Battery charging current	Fitting battery	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
13,8VDC	**HPSBOC2512B**	2,5A	0,5A	7Ah	250×250×82+8 255×255
	HPSBOC3512C	3,5A	0,5A	17Ah	280×292×82+8 285×296
	HPSBOC7012C	7,0A	1,0A / 2,0A	17Ah	280×292×82+8 285×296
	HPSBOC11A12C	11,0A	1,0A / 4,0A	17Ah	280×292×82+8 285×296
	HPSBOC20A12E	20,0A	2,0A / 4,0A / 8,0A	65Ah	400×350×173+8 405×355
27,6VDC	**HPSBOC1824B**	1,8A	0,3A	2×7Ah	280×292×82+8 285×296
	HPSBOC3524C	3,5A	0,5A / 1,0A	2×17Ah	400×350×92+8 405×355
	HPSBOC5524C	5,5A	0,5A / 2,0A	2×17Ah	400×350×92+8 405×355
	HPSBOC10A24C	10,0A	1,0A / 2,0A / 4,0A	2×17Ah	400×350×92+8 405×355
54VDC	**HPSBOC2548B**	2,5A	0,5A / 1,0A	4×7Ah	400×350×92+8 405×355
	HPSBOC5048C	5,0A	0,5A / 1,0A / 2,0A	4×17Ah	420×375×183+14 425×380



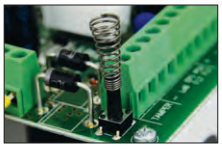
Buffer power supply units 13,8VDC linear
AWZ series

GREY POWER

- power supply: 230VAC
- linear type
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OHP overheat protection
  - surge protection
  - antisabotage protection
- warranty: 5 years from production date

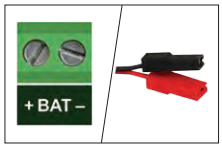
Sample product:
AWZ300

LED optical indication



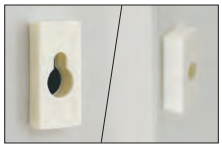
Tamper indicating enclosure opening – 1 piece

Tamper – antisabotage protection microswitch connector



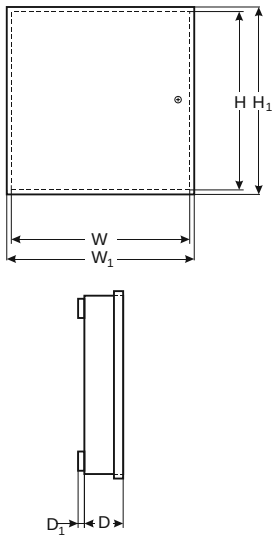
Battery connectors

DC power supply output



Distance from wall (plastic) – 8mm

	Code	Total current	Battery charging current	Fitting battery	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
13,8VDC	**AWZ100**	1,0A	0,1A	1,2Ah	170×180×82+8 175×185
	AWZ101	1,0A	0,1A	7Ah	200×230×82+8 205×235
	AWZ200	2,0A	0,3A	7Ah	200×230×82+8 205×235
	AWZ201	2,0A	0,3A	17Ah	230×300×92+8 235×305
	AWZ300	3,0A	0,7A	17Ah	230×300×92+8 235×305



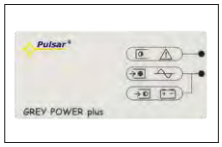
Buffer power supply units 13,8VDC / 27,6VDC, linear, in accordance with EN50131-6, GRADE 1, 2 standard for alarm systems
AWZ plus series

GREY POWER plus

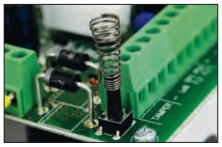
- power supply: 230VAC
- linear type
- microprocessor-based operating control
- in accordance with EN50131-6, GRADE 1÷2 standard for alarm systems and II environmental class
- technical outputs OC type:
  - EPS – 230V power failure AC
  - PSU – power supply failure
  - APS – battery failure indication
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OHP overheat protection
  - surge protection
  - antisabotage protection
  - OVP overvoltage protection
- warranty: 5 years from production date

Sample product:
AWZ333

In accordance with EN50131-6, GRADE 1, 2 standard for alarm systems



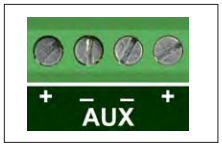
LED optical indication



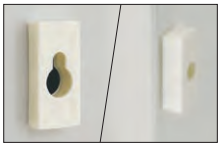
Tamper indicating enclosure opening – 1 piece.

Tamper – antisabotage protection microswitch connector

Technical outputs OC type



DC power supply output

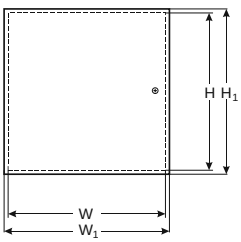


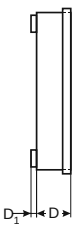
Distance from wall (plastic) – 8mm

	Code	Total current	Battery charging current	Fitting battery	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
13,8VDC	**AWZ110**	1,0A	0,4A	7Ah	200×230×82+8 205×235
	AWZ230	2,0A	0,4A / 0,9A	7Ah	230×230×92+8 235×235
	AWZ222	2,0A	0,4A / 0,9A	17Ah	230×300×92+8 235×305
	AWZ333	3,0A	0,4A / 0,9A	17Ah	230×300×92+8 235×305
27,6VDC	**AWZ224**	2,0A	0,4A	2×7Ah	230×300×92+8 235×305

Accessories:

MPSBS
technical relay outputs





Buffer power supply units 13,8VDC / 27,6VDC switch mode, with technical outputs PSBS series

BLUE POWER

- power supply: 230VAC
- impulse voltage stabilizer
- technical outputs OC type:
  - EPS – 230V power failure AC
  - PSU – power supply failure
  - LoB – low battery voltage
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OHP overheat protection
  - surge protection
  - antisabotage protection
  - OVP overvoltage protection *
- warranty: 5 years from production date

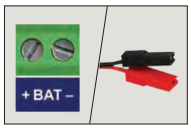
* depending on model

Sample product:
PSBS2024B

LED optical indication

Tamper – unwanted opening of enclosure, detachment from mounting surface – 2 piecess

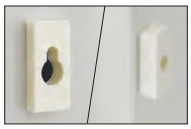
Technical outputs OC type



Battery connectors

DC power output

Closing – front mounting – 2 piecess

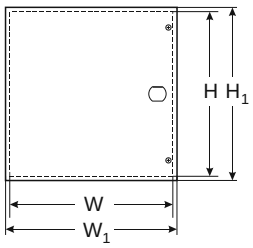


Distance from wall (plastic) – 8mm

	Code	Total current	Battery charging current	Fitting battery	Dimensions W×H×D+D$_1$ [+/- 2mm] W$_1$×H$_1$ [+/- 2mm]
13,8VDC	**PSBS1012B**	1,2A	0,2A / 0,5A	7Ah	230×230×82+8 235×235
	PSBS2012B	2,2A	0,2A / 0,5A	7Ah	230×230×82+8 235×235
	PSBS3012C	3,5A	0,5A / 1,0A	17Ah	260×300×92+8 265×305
	PSBS5012C	5,5A	0,5A / 1,0A / 2,0A / 3,0A	17Ah	330×350×102+8 335×355
	PSBS5012D	5,5A	0,5A / 1,0A / 2,0A / 3,0A	40Ah	330×350×172+8 335×355
	PSBS5012E	5,5A	0,5A / 1,0A / 2,0A / 3,0A	65Ah	400×370×172+8 405×375
	PSBS10A12C	11,0A	1,0A / 2,0A / 3,0A / 5,0A	17Ah	330×350×102+8 335×355
	PSBS10A12D	11,0A	1,0A / 2,0A / 3,0A / 5,0A	40Ah	330×350×172+8 335×355
	PSBS10A12E	11,0A	1,0A / 2,0A / 3,0A / 5,0A	65Ah	400×370×172+8 405×375
27,6VDC	**PSBS2024B**	2,2A	0,2A / 0,5A	2×7Ah	260×300×92+8 265×305
	PSBS3024C	3,5A	0,5A / 1,0A	2×17Ah	400×350×92+8 405×355
	PSBS5024C	5,5A	0,5A / 1,0A / 2,0A / 3,0A	2×17Ah	400×350×92+8 405×355

Accessories:

MPSBS
technical relay outputs



Buffer power supply units 13,8VDC / 27,6VDC, switch mode, in accordance with EN50131-6, GRADE 1, 2, 3 standard for alarm systems PSBEN series

BLACK POWER

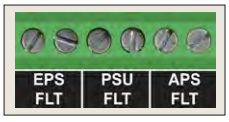
- power supply: 230VAC
- impulse voltage stabilizer
- microprocessor-based operating control
- in accordance with EN50131-6, GRADE 1÷3 standard for alarm systems and II environmental class
- intelligent management of PSU power's output stage
- battery circuit continuity control
- battery fuse status control
- collective failure input EXT IN
- technical outputs with galvanic isolation:
  - EPS – 230V power failure AC
  - PSU – power supply failure
  - APS – battery failure indication
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - OHP overheat protection
  - surge protection
  - antisabotage protection (tamper anti door opening and detachment from mounting surface)
- warranty: 5 years from production date

In accordance with EN50131-6, GRADE 1, 2, 3 standard for alarm systems

MTP Gold Medal Securex 2014

Tamper indicating enclosure opening – 1 piece

Tamper – detachment from wall – 1 piece

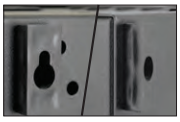


Technical outputs with galvanic isolation

Battery connectors

Collective failure input EXT IN

DC power supply output



Distance from wall (plastic) – 8mm

Buffer power supply units 13,8VDC / 27,6VDC, switch mode, in accordance with EN50131-6, GRADE 1, 2, 3 standard for alarm systems PSBEN series

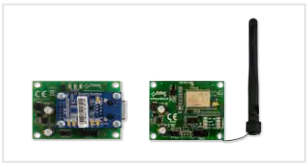
BLACK POWER

LED display

graphic LCD display

	Code		Total current	Battery charging current	Fitting battery	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
	LED panel	LCD panel				
13,8VDC	**PSBEN2012B**	—	2,2A	0,2A / 0,6A / 1,0A / 1,5A	7Ah	270×250×82+8 275×255
	PSBEN3012C	**PSBEN3012C/LCD**	3,2A	0,2A / 0,6A / 1,0A / 1,5A	17Ah	300×300×92+8 305×305
	PSBEN5012C	**PSBEN5012C/LCD**	5,6A	0,6A / 1,5A / 2,2A / 3,0A	17Ah	330×350×102+8 335×355
	PSBEN5012D	**PSBEN5012D/LCD**	5,6A	0,6A / 1,5A / 2,2A / 3,0A	40Ah	330×350×173+8 335×355
	PSBEN5012E	—	5,6A	0,6A / 1,5A / 2,2A / 3,0A	65Ah	400×370×173+8 405×375
	PSBEN10A12D	**PSBEN10A12D/LCD**	10,6A	0,6A / 1,5A / 2,2A / 3,0A	40Ah	330×350×173+8 335×355
	PSBEN10A12E	**PSBEN10A12E/LCD**	10,6A	0,6A / 1,5A / 2,2A / 3,0A	65Ah	400×370×173+8 405×375
27,6VDC	**PSBEN2024B**	—	2,2A	0,2A / 0,6A / 1,0A / 1,5A	2×7Ah	330×350×102+8 335×355
	—	**PSBEN3024C/LCD**	3,2A	0,2A / 0,6A / 1,0A / 1,5A	2×17Ah	400×350×92+8 405×355
	PSBEN5024C	**PSBEN5024C/LCD**	5,6A	0,6A / 1,5A / 2,2A / 3,0A	2×17Ah	400×350×92+8 405×355

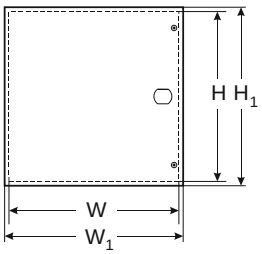
Accessories:

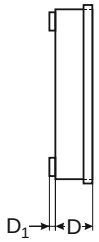


Interfaces (LAN, WiFi, RS485, USB)
Programmer (USB)

Free program
„PowerSecurity”
Program for remote monitoring of parameters of power supplies of EN54, PSBEN series

„PowerConfig”
Software for configuration of INTE, INTRE, INTW and INTRW interfaces





Buffer power supply units 27,6VDC switch mode, EN54-4 certified EN54 series

RED POWER

- power supply: 230VAC
- impulse voltage stabilizer
- microprocessor-based operating control
- compliant with EN54-4 and EN12101-10 standards
- certificate of constancy of performance CNBOP-PIB No 1438-CPR-0385
- certificate of approval CNBOP-PIB No 2174/2014
- independently protected outputs AUX1 and AUX2
- intelligent PSU overload protection
- monitoring of continuity of battery circuit
- relay output of collective failure ALARM
- collective failure input EXTi
- controlled relay output EXTo
- technical outputs with galvanic isolation:
  - EPS – 230V power failure AC
  - PSU – power supply failure
  - APS – battery failure indication
- internal memory of PSU operating status
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, OHP overheat protection, surge protection
  - antisabotage protection (tamper anti door opening)
- warranty: 5 years from production date

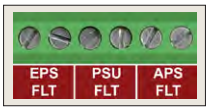
MTP Gold Medal Securex 2016

EN54-4 certified

CNBOP-PIB

Tamper indicating enclosure opening – 1 piece

Lock



Technical outputs with galvanic isolation

Relay output of collective failure ALARM

Controlled relay output EXTo

Collective failure input EXTi

Battery connectors

Independently protected outputs AUX1 and AUX2

Buffer power supply units 27,6VDC switch mode, EN54-4 certified
EN54 series

RED POWER

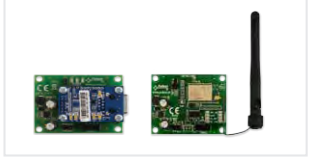
LED display

graphic LCD display

	Code		Total current		Fitting battery	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
	LED panel	LCD panel	for continuous operation $I_{max\ a} + I_{tad}$	for intermittent operation $I_{max\ a} + I_{tad}$		
27,6VDC	**EN54-2A17**	**EN54-2A17LCD**	1,0A + 1,0A	2,0A + 0A	2×17Ah	420×420×102+8 425×425
	EN54-3A17	**EN54-3A17LCD**	2,0A + 1,0A	3,0A + 0A	2×17Ah	420×420×102+8 425×425
	EN54-3A28	**EN54-3A28LCD**	1,5A + 1,5A	3,0A + 0A	2×28Ah	420×420×182+8 425×425
	EN54-5A17	**EN54-5A17LCD**	4,0A + 1,0A	5,0A + 0A	2×17Ah	420×420×102+8 425×425
	EN54-5A28	**EN54-5A28LCD**	3,5A + 1,5A	5,0A + 0A	2×28Ah	420×420×182+8 425×425
	EN54-5A40	**EN54-5A40LCD**	3,0A + 2,0A	5,0A + 0A	2×40Ah	420×420×182+8 425×425
	EN54-7A17	**EN54-7A17LCD**	6,0A + 1,0A	7,0A + 0A	2×17Ah	420×420×102+8 425×425
	EN54-7A28	**EN54-7A28LCD**	5,5A + 1,5A	7,0A + 0A	2×28Ah	420×420×182+8 425×425
	EN54-7A40	**EN54-7A40LCD**	5,0A + 2,0A	7,0A + 0A	2×40Ah	420×420×182+8 425×425

Accessories:

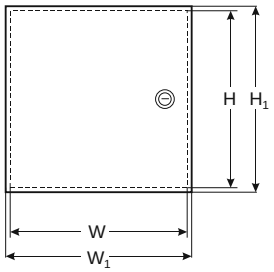
Fuse modules
EN54-LB4, EN54-LB8

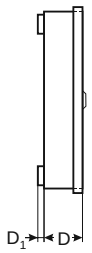


Interfaces (LAN, WiFi, RS485, USB)
Programmer (USB)

Free program
„PowerSecurity”
Program for remote monitoring of parameters of power supplies of EN54, PSBEN series

„PowerConfig”
Software for configuration of INTE, INTRE, INTW and INTRW interfaces





Accessories for power supply units PSBEN and EN54 series – interfaces, programmer

INTR – Interface RS485-TTL

INTE – Interface ETHERNET

INTRE – Interface RS485-ETHERNET

INTC – Programmer

INTW – Interface WI-FI

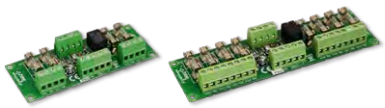
INTRW – Interface RS485-WIFI

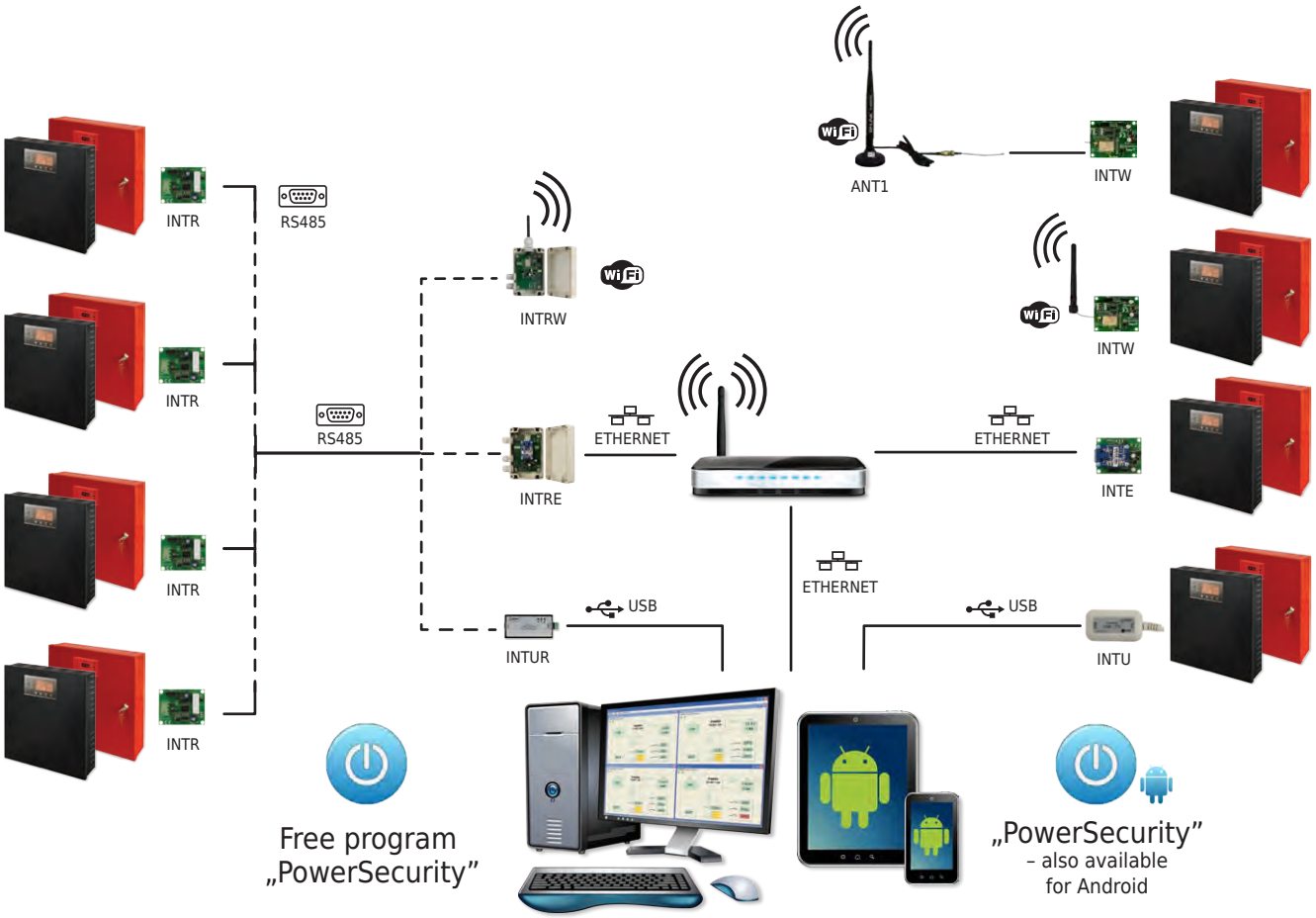
ANT1 – 2.4GHz WiFi Antenna with Magnetic Base

INTE – Interface USB-TTL

INTUR – Interface USB-RS485

EN54-LB4/8 – Fuse module EN54





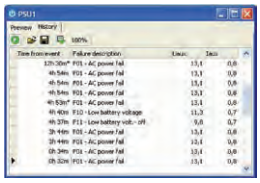
„PowerSecurity” software
for power supply units of PSBEN and EN54 series

PowerSecurity

For power supply units with LED display

Remote desktop window of PSU

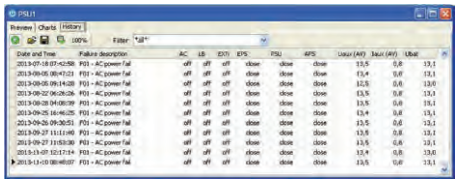
Event log



For power supply units with LCD display

Remote desktop window of PSU

Event log



History of parameters

PowerSecurity is a program allowing a remote monitoring of power supply units of PSBEN or EN54 series equipped with a communication interface. Application allows to configure connections, analyze current parameters and to manage groups of power supply units.

Power supply units of PSBEN series

For power supply units of PSBEN series, remote desktop window allows monitoring following parameters:

- voltage and current at AUX output of power supply units
- 230V mains supply status
- voltage and battery charging level (optional remote battery test)
- status of technical outputs (EPS, PSU, APS)
- status of input of collective failure – EXTi

Additionally, it is possible to read history of events and in case of power supply units fitted with LCD display to read, history of parameters.

Power supply units of EN54 series

For power supply units of EN54 series, remote desktop window allows monitoring following parameters:

- voltage at AUX1 and AUX2 outputs and total current
- status and value of 230V mains supply
- voltage, battery level, temperature and internal resistance of battery, optional remote battery test
- status of technical outputs (EPS, PSU, APS, Alarm)
- status of input of collective failure EXTi
- status of controlled relay output EXTo
- status of TAMPER input

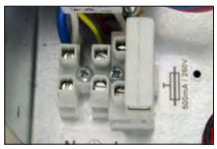
Additionally, it is possible to read history of events and in case of power supply units fitted with LCD display to read, history of parameters.

Buffer power supply units 13,8VDC switch mode, with technical outputs, IP65 hermetic enclosure PSBSH series

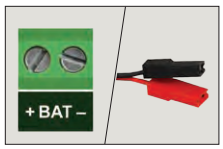
- power supply: 230VAC
- switch mode type
- IP65 hermetic enclosure, ABS
- technical outputs OC type:
  - EPS – 230V power failure AC
  - PSU – power supply failure
  - LoB – low battery voltage
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OHP overheat protection
  - surge protection
  - antisabotage protection
- warranty: 2 years from production date

Sample product: PSBSH2012B

Tamper indicating enclosure opening – 1 piece



AC power input



Battery connectors

Technical outputs OC type

IP65

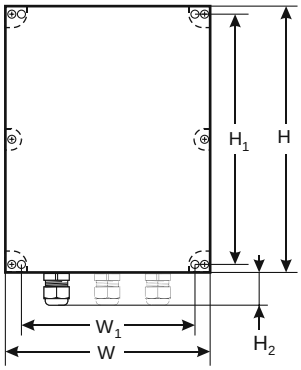
Hermetic enclosure IP65

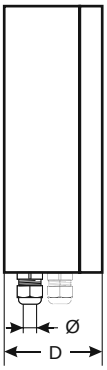
ABS

Material: ABS

	Code	Total current	Battery charging current	Fitting battery	Dimensions W×H×D [+/- 2mm] H_2 [+/- 2mm]	Mounting dimensions W_1×H_1 [+/- 2mm]	Number of cable glands / Ø cables
13,8VDC	**PSBSH1012A**	1,0A	0,2A	1,2Ah	160×160×90 25	126×145	2 pieces / 4÷8mm
	PSBSH1012B	1,0A	0,2A / 0,5A	7Ah	184×264×95 25	152×252	2 pieces / 4÷8mm
	PSBSH2012B	2,0A	0,2A / 0,5A	7Ah	184×264×95 25	152×252	2 pieces / 4÷8mm

Sample product: PSBSH2012B





7Ah

230VAC

13,8VDC

Receiver

Technical outputs OC type:
EPS – 230V power failure AC
PSU – power supply failure
LoB – low battery voltage

e.g. alarm control panel

Receiver e.g.

Camera

Detector

Indicator

Electromagnetic lock

Electric strike

Intercom

Video intercom

Enclosed power supply units 12VDC / 48VDC switch mode
PS series

- power supply: 85÷264VAC / 120÷370VDC / 176÷264VAC *
- impulse voltage stabilizer
- adjustable output voltage 12÷15V / 48÷53V *
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
- warranty: 2 years from production date

* depending on model

Sample product:
PS-1001270

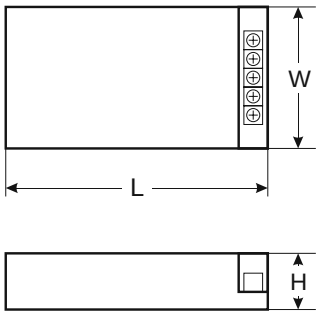
Power input terminals

Power output terminals

Potentiometer for output voltage adjustment

Enclosure: perforated sheet – convectional cooling

	Code	Voltage adjustment	Output current	Dimensions L×W×H [+/- 2mm]
12VDC	**PS-151210**	12÷15V	1,0A	85×60×37
	PS-251220	12÷15V	2,0A	110×78×36
	PS-401230	12÷15V	3,0A	129×98×38
	PS-601250	12÷15V	5,0A	159×97×38
	PS-1001270	12÷15V	7,0A	199×98×38
	PS-15012100	12÷15V	10,0A	199×110×50
	PS-20012140	12÷15V	14,0A	226×115×50
48VDC	**PS-604812**	48÷53V	1,2A	159×97×38
	PS-1504830	48÷53V	3,0A	199×110×50



Accessories:

PSDIN1 / 2
Bracket DIN

AWO38×
enclosures for power supplies

Enclosed buffer power supply units 13,8VDC / 27,6VDC / 54VDC switch mode
PSB series

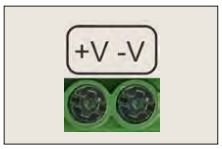
- power supply: 176÷264VAC
- impulse voltage stabilizer
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
  - OHP overheat protection *
- warranty: 2 years from production date

* depending on model

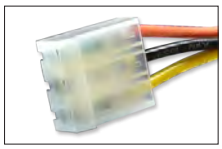
Sample product:
PSB-1001270

Applies to: PSB300××××

Power input terminals



Power output terminals


Optical indication connector

Connectors for battery connection

Enclosure:
perforated sheet
– convectional cooling

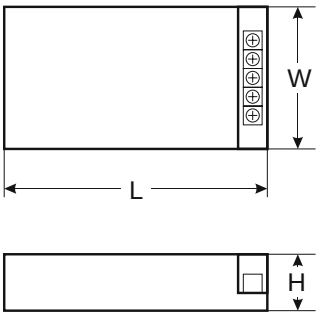
Fan
– Forced cooling

	Code	Total current	Battery charging current	Dimensions L×W×H [+/- 2mm]
13,8VDC	**PSB-251215**	1,5A	0,5A	110×78×36
	PSB-351225	2,5A	0,5A	129×98×40
	PSB-501235	3,5A	0,5A	159×97×42
	PSB-751250	5,0A	0,5A	159×97×42
	PSB-1001270	7,0A	1,0A / 2,0A	199×97×42
	PSB-15512110	11,0A	1,0A / 4,0A	199×110×50
	PSB-30012200	20,0A	2,0A / 4,0A / 8,0A	275×115×50
27,6VDC	**PSB-352413**	1,3A	0,3A	129×98×40
	PSB-502418	1,8A	0,3A	159×97×42
	PSB-752425	2,5A	0,3A	159×97×42
	PSB-1002435	3,5A	0,5A / 1,0A	199×97×42
	PSB-1552455	5,5A	0,5A / 2,0A	199×110×50
	PSB-30024100	10,0A	1,0A / 2,0A / 4,0A	275×115×50
54VDC	**PSB-754813**	1,3A	0,3A	159×97×42
	PSB-1554828	2,8A	0,5A / 1,0A	199×110×50
	PSB-3004850	5,0A	0,5A / 1,0A / 2,0A	275×115×50

Accessories:

PSDIN1 / 2
Bracket DIN

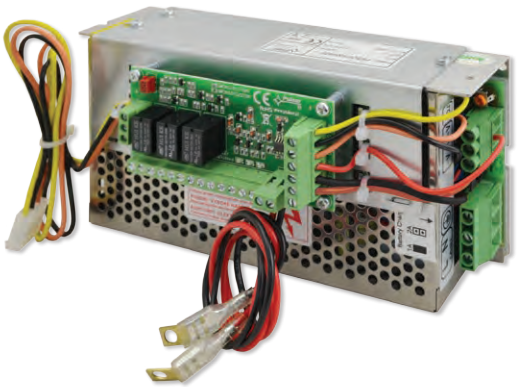
MPSB12 / 24 / 48
technical output module
OC and relay type



Enclosed buffer power supply units 13,8VDC / 27,6VDC / 54VDC switch mode, with technical outputs
PSBOC series

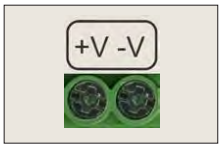
- power supply: 176÷264VAC
- impulse voltage stabilizer
- technical outputs OC and relay type:
  - EPS – 230V power failure AC
  - PSU – power supply failure
  - LoB – low battery voltage
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
  - OHP overheat protection *
- warranty: 2 years from production date

* depending on model

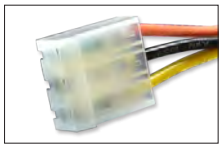


Sample product:
PSBOC1001270

Power input terminals



Power output terminals



Optical indication connector

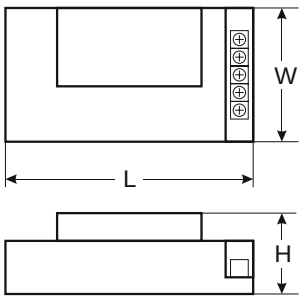
Technical outputs (relay)

Technical outputs OC type

	Code	Total current	Battery charging current	Technical outputs	Dimensions L×W×H [+/- 2mm]
13,8VDC	**PSBOC351225**	2,5A	0,5A	✓	129×98×67
	PSBOC501235	3,5A	0,5A	✓	159×97×68
	PSBOC751250	5,0A	0,5A	✓	159×97×68
	PSBOC1001270	7,0A	1,0A / 2,0A	✓	199×97×70
	PSBOC15512110	11,0A	1,0A / 4,0A	✓	199×110×78
	PSBOC30012200	20,0A	2,0A / 4,0A / 8,0A	✓	275×115×78
27,6VDC	**PSBOC502418**	1,8A	0,3A	✓	159×97×68
	PSBOC752425	2,5A	0,3A	✓	159×97×68
	PSBOC1002435	3,5A	0,5A / 1,0A	✓	199×97×70
	PSBOC1552455	5,5A	0,5A / 2,0A	✓	199×110×78
	PSBOC30024100	10,0A	1,0A / 2,0A / 4,0A	✓	275×115×78
54VDC	**PSBOC754813**	1,3A	0,3A	✓	159×97×68
	PSBOC1554828	2,8A	0,5A / 1,0A	✓	199×110×78
	PSBOC3004850	5,0A	0,5A / 1,0A / 2,0A	✓	275×115×78

Accessories:

PSDIN1 / 2
Bracket DIN



Enclosed buffer power supply units 13,8VDC / 27,6VDC switch mode, with technical outputs PSBSOF series

- power supply: 230VAC
- impulse voltage stabilizer
- technical outputs OC type:
  - EPS – 230V power failure AC
  - PSU – power supply failure
  - LoB – low battery voltage
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OHP overheat protection
  - surge protection
- warranty: 5 years from production date

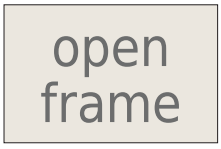
Sample product:
PSBSOF3012

AC power input

Battery connectors

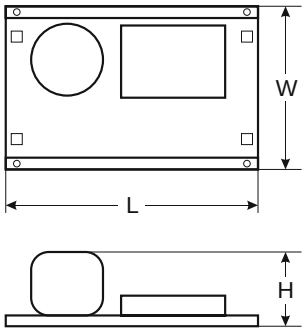
Technical outputs OC type

DC power supply output

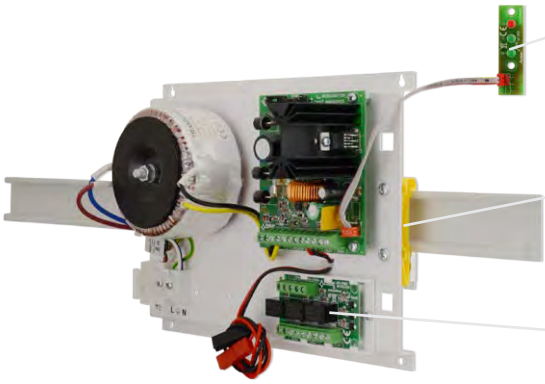


Construction
„open frame”

	Code	Total current	Battery charging current	Technical outputs	Dimensions L×W×H [+/- 2mm]
13,8VDC	**PSBSOF1012**	1,2A	0,2A / 0,5A	✓	218×148×60
	PSBSOF2012	2,2A	0,2A / 0,5A	✓	218×148×60
	PSBSOF3012	3,5A	0,5A / 1,0A	✓	230×170×80
	PSBSOF5012	5,5A	0,5A / 1,0A / 2,0A / 3,0A	✓	282×180×75
	PSBSOF10A12	11,0A	1,0A / 2,0A / 3,0A / 5,0A	✓	275×220×95
27,6VDC	**PSBSOF1024**	1,0A	0,2A / 0,5A	✓	218×148×60
	PSBSOF2024	2,2A	0,2A / 0,5A	✓	230×170×70
	PSBSOF3024	3,5A	0,5A / 1,0A	✓	275×220×86
	PSBSOF5024	5,5A	0,5A / 1,0A / 2,0A / 3,0A	✓	275×220×95



Accessories:



PKAZ108
Optical indication

PKAZ107
bracket DIN

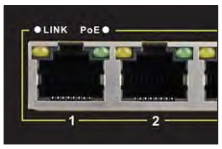
MPSBS
OC → relay (EPS, PSU, LoB)

PoE switches for IP cameras with power supply
S series

- supports devices compliant with IEEE 802.3af / at standard
- 10/100Mb/s ports
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 30W for each PoE port – 48VDC / 52VDC *
- UPLINK ports: 2 – for recorder / switch / computer installation
- desktop type power supply supplied with switch
- additional mounting elements:
  - mounting brackets
- warranty: 2 years from production date

* depending on model

Sample product:
S108



PoE ports

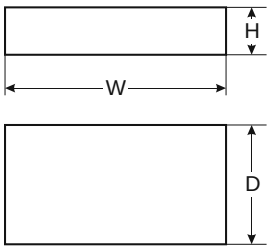
2 × UPLINK port

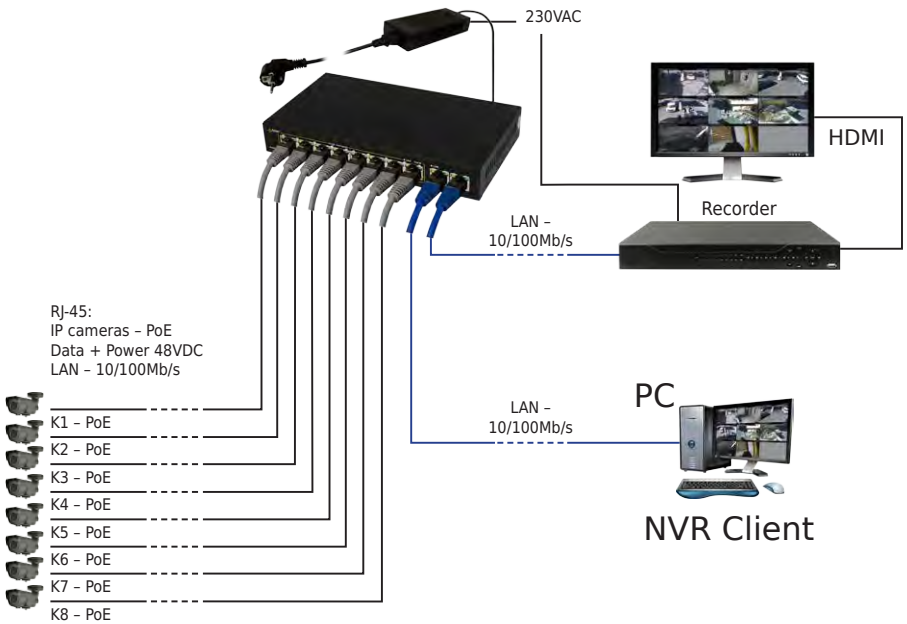
RJ45 connectors –
input / output

Mounting brackets

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	Power supply (desktop type)	Mounting brackets	Dimensions W×H×D [+/- 2mm]
S64	6	4 – 100Mb/s	2 – 100Mb/s	52VDC / 1,15A	✓	118×28×85
S108	10	8 – 100Mb/s	2 – 100Mb/s	48VDC / 2,5A	✓	190×28×105

Sample product: S108



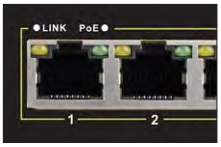


PoE switches for IP cameras with power supply, with SFP sockets SF series

- supports devices compliant with IEEE 802.3af standard
- 10/100Mb/s and 1Gb/s ports
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W for each PoE port – 48VDC
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation
- desktop type power supply supplied with switch *
- additional mounting elements:
  - mounting brackets *
  - mounting brackets for RACK 19”
- warranty: 2 years from production date

* depending on model

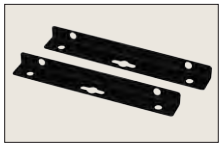
Sample product:
SF116



PoE ports

2 × UPLINK port

RJ45 connectors – input / output

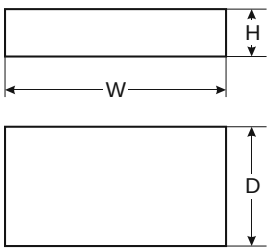


Mounting brackets

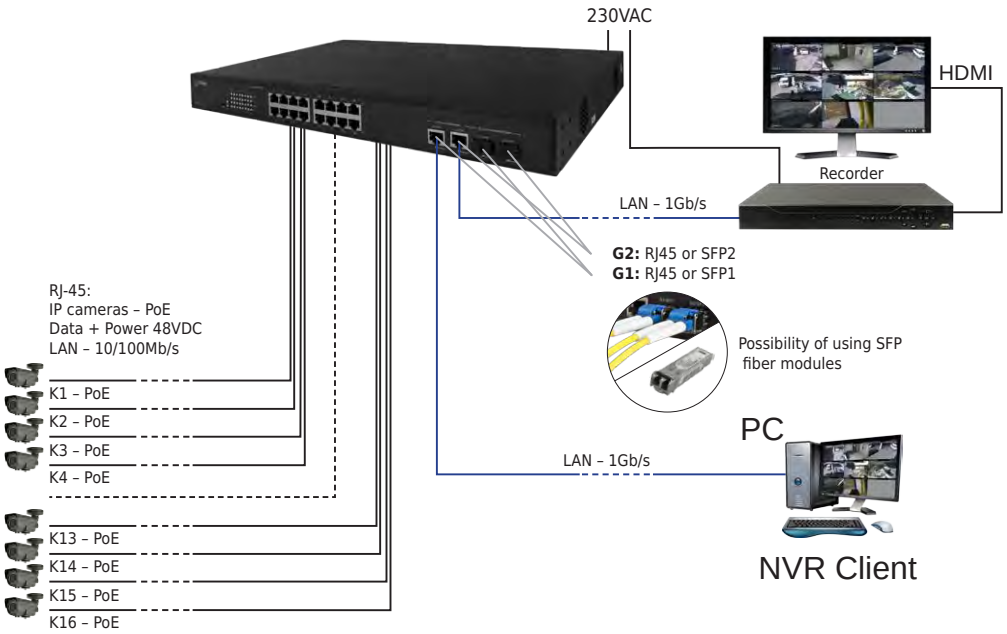
Mounting brackets for RACK 19” included

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	Power supply (desktop type)	Mounting brackets / Mount bracket for RACK 19″	Dimensions W×H×D [+/- 2mm]
SF108	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	48VDC / 2,5A	✓ / ✓	220×44×150
SF116	18	16 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	Power supply: 230VAC	– / ✓	442×44×292



Sample product: SF116

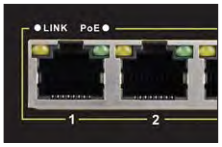


PoE switches for IP cameras with power supply SG series

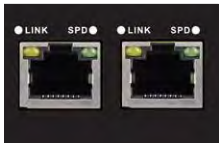
- supports devices compliant with IEEE 802.3af / at standard
- 1Gb/s ports
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 30W for each PoE port – 48VDC / 52VDC *
- UPLINK ports: 2 – for recorder / switch / computer installation
- desktop type power supply supplied with switch
- additional mounting elements:
  - mounting brackets
- warranty: 2 years from production date

* depending on model

Sample product:
SG108

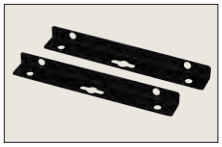


PoE ports



2 × UPLINK port

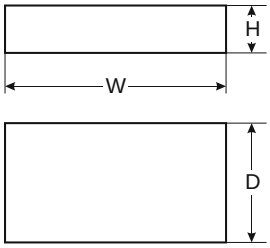
RJ45 connectors – input / output

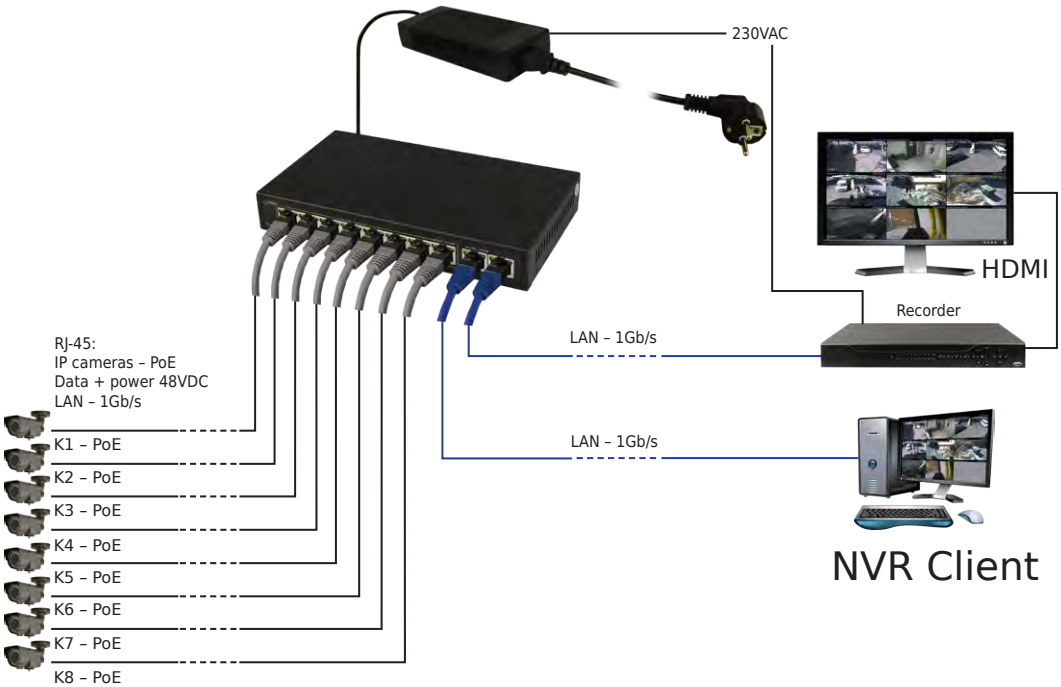


Mounting brackets

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	Power supply (desktop type)	Mounting brackets	Dimensions W×H×D [+/- 2mm]
SG64	6	4 – 1Gb/s	2 – 1Gb/s	52VDC / 1,15A	✓	118×28×85
SG108	10	8 – 1Gb/s	2 – 1Gb/s	48VDC / 2,5A	✓	190×27×105

Sample product: SG108



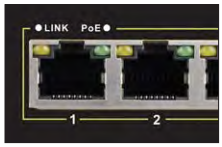


PoE switches for IP cameras with power supply unit in metal enclosure S...-C, SG...-C, SF...-C series

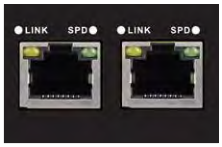
- supports devices compliant with IEEE 802.3af / at standard *
- 10/100Mb/s and 1Gb/s ports *
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W / 30W for each PoE port – 48VDC / 52VDC *
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- surface mounted enclosure, locking: bolted × 1
- 14mm distance (removable) from mounting surface
- warranty: 2 years from production date

* depending on model

Sample product:
S108-C

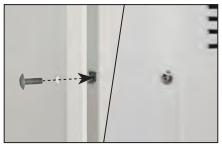


PoE ports

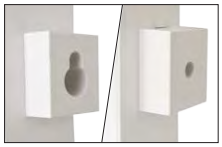


2 × UPLINK port

RJ45 connectors – input / output



Closing – front mounting – 1 piece



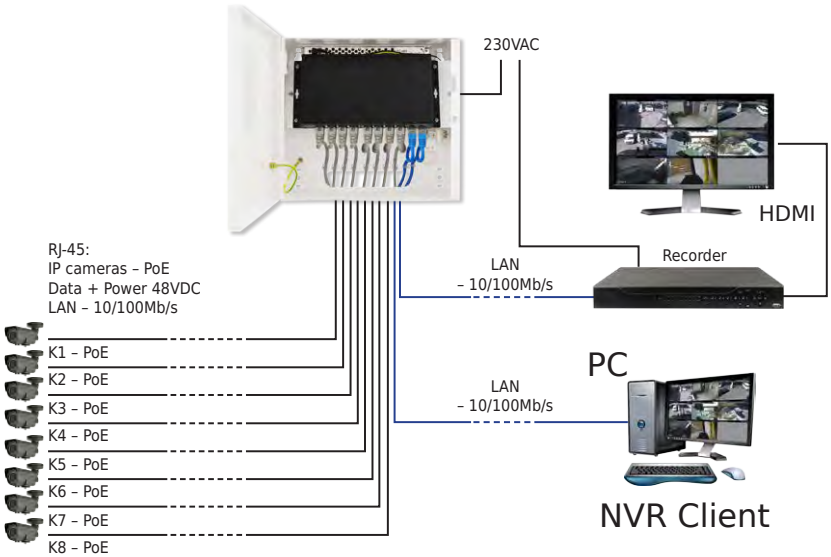
Distance from wall (plastic) – 14mm – removable

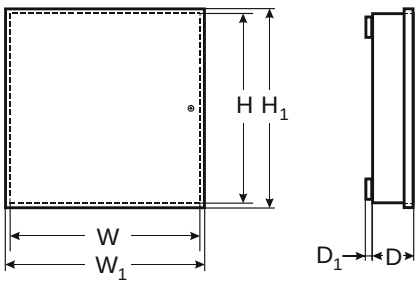
Applies to:
SF108-C / SF116-C

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
S64-C	6	4 – 100Mb/s	2 – 100Mb/s	—	275×281×102+14 280×285
S108-C	10	8 – 100Mb/s	2 – 100Mb/s	—	275×281×102+14 280×285
SG64-C	6	4 – 1Gb/s	2 – 1Gb/s	—	275×281×102+14 280×285
SG108-C	10	8 – 1Gb/s	2 – 1Gb/s	—	275×281×102+14 280×285
SF108-C	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	275×281×102+14 280×285
SF116-C	18	16 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	525×540×72+14 530×545

Sample product: S108-C



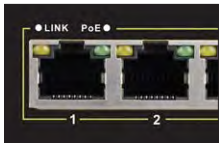


PoE switches for IP cameras with power supply unit in metal enclosure and recorder space S...-CR, SF...-CR series

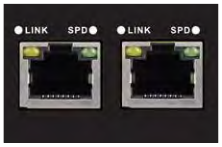
- supports devices compliant with IEEE 802.3af / at standard *
- 10/100Mb/s and 1Gb/s ports
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W / 30W for each PoE port – 48VDC
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- surface mounted enclosure, locking: bolted × 2 (lock assembly possible)
- 14mm distance (removable) from mounting surface
- space and straps for mounting recorder
- enclosure is fitted with 230VAC socket for recorder's power supply
- provides additional space for installation of recorder's power supply
- warranty: 2 years from production date

* depending on model

Sample product:
S108-CR



PoE ports



2 × UPLINK port

RJ45 connectors – input / output

Shelf for NVR power supply unit, 230VAC socket

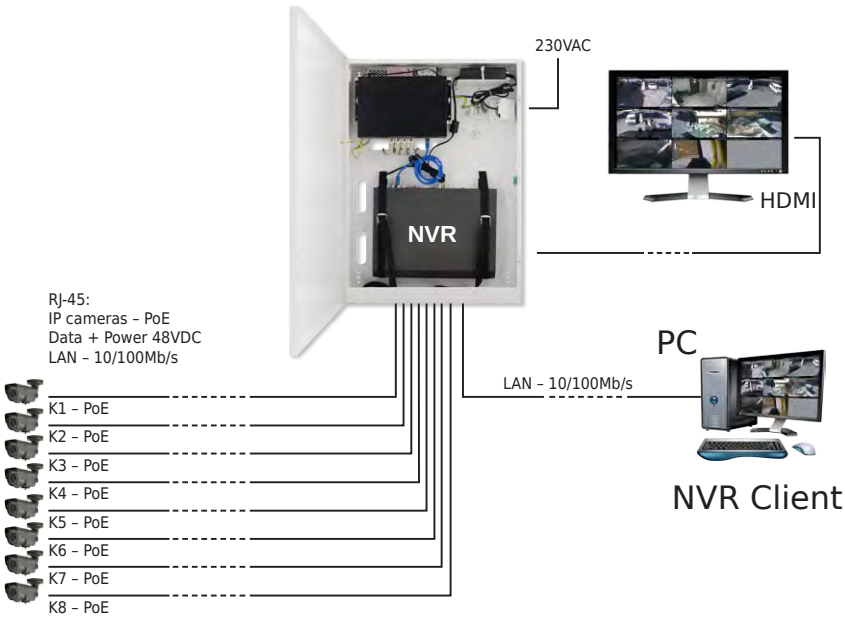
Straps for mounting recorder

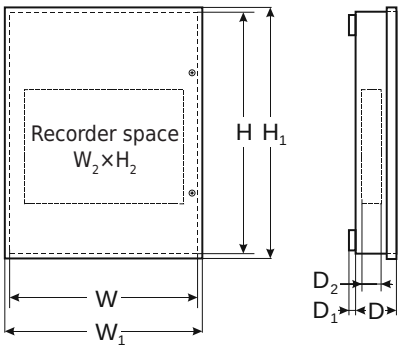
Applies to:
SF108-CR / SF116-CR

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	Dimensions of recorder space $W_2 \times H_2 \times D_2$ [+/- 2mm]	Dimensions $W \times H \times D + D_1$ [+/- 2mm] $W_1 \times H_1$ [+/- 2mm]
S64-CR	6	4 – 100Mb/s	2 – 100Mb/s	—	400×345×95	432×607×102+14 437×612
S108-CR	10	8 – 100Mb/s	2 – 100Mb/s	—	400×345×95	432×607×102+14 437×612
SF108-CR	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	400×345×95	432×607×102+14 437×612
SF116-CR	18	16 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	400×345×80	525×540×165+14 530×545

Sample product: S108-CR



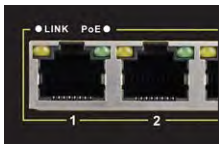


PoE switches for IP cameras with buffer power supply unit S...-B, SG...-B, SF...-B series

- supports devices compliant with IEEE 802.3af / at standard *
- 10/100Mb/s and 1Gb/s ports *
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W / 30W for each PoE port – 48VDC / 54VDC *
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- enclosure is fitted with space for 7Ah, 17Ah, 2×17Ah, 4×7Ah battery *
- surface mounted enclosure, locking: bolted × 2 (lock assembly possible)
- 8mm / 14mm distance (removable) from mounting surface
- warranty: 2 years from production date

* depending on model

Sample product:
S108-B

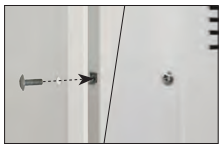


PoE ports

2 × UPLINK port

RJ45 connectors – input / output

Tamper indicating enclosure opening – 1 piece



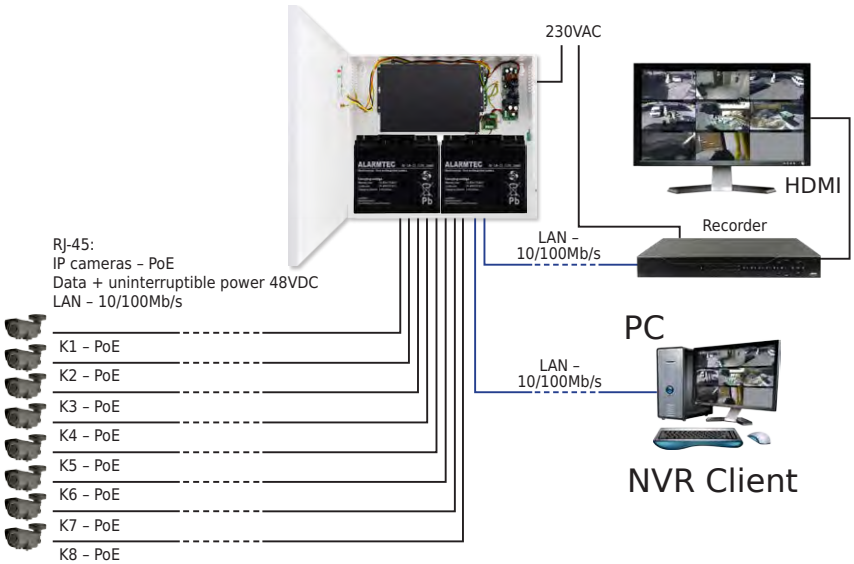
Closing – front mounting – 2 piecess

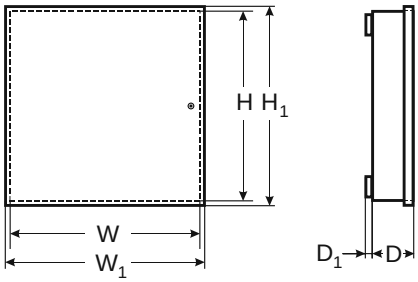
Applies to:
SF108-B / SF116-B

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	Fitting battery	Battery charging current	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
S64-B	6	4 – 100Mb/s	2 – 100Mb/s	—	7Ah	0,5A	280×291×82+8 285×295
S64-B17	6	4 – 100Mb/s	2 – 100Mb/s	—	17Ah	0,5A	397×350×92+8 402×355
S108-B	10	8 – 100Mb/s	2 – 100Mb/s	—	2×17Ah	0,5A	397×350×92+8 402×355
SG64-B	6	4 – 1Gb/s	2 – 1Gb/s	—	7Ah	0,5A	280×291×82+8 285×295
SG108-B	10	8 – 1Gb/s	2 – 1Gb/s	—	2×17Ah	0,5A	397×350×92+8 402×355
SF108-B	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	2×17Ah	0,5A	420×364×117+14 425×369
SF116-B	18	16 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	4×7Ah	0,5A	525×540×72+14 530×545

Sample product: S108-B

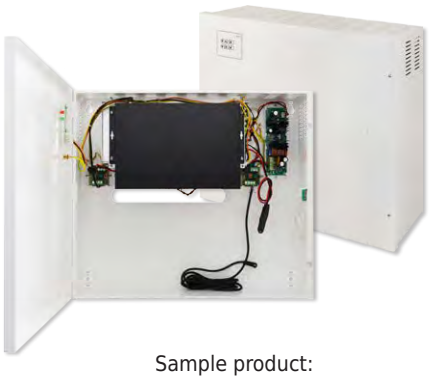




PoE switches for IP cameras and NVR with buffer power supply unit S...-BR, SF...-BR series

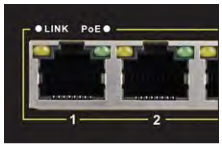
- supports devices compliant with IEEE 802.3af / at standard *
- 10/100Mb/s and 1Gb/s
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W / 30W for each PoE port – 48VDC
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- enclosure is fitted with space for 2×17Ah battery
- surface mounted enclosure, locking: bolted × 2 (lock assembly possible)
- 8mm / 14mm distance (removable) from mounting surface
- output dedicated to supply recorder – 12VDC / 5A
- warranty: 2 years from production date

* depending on model



Sample product:
S108-BR

Applies to: SF108-BR



PoE ports

2 × UPLINK port

RJ45 connectors – input / output

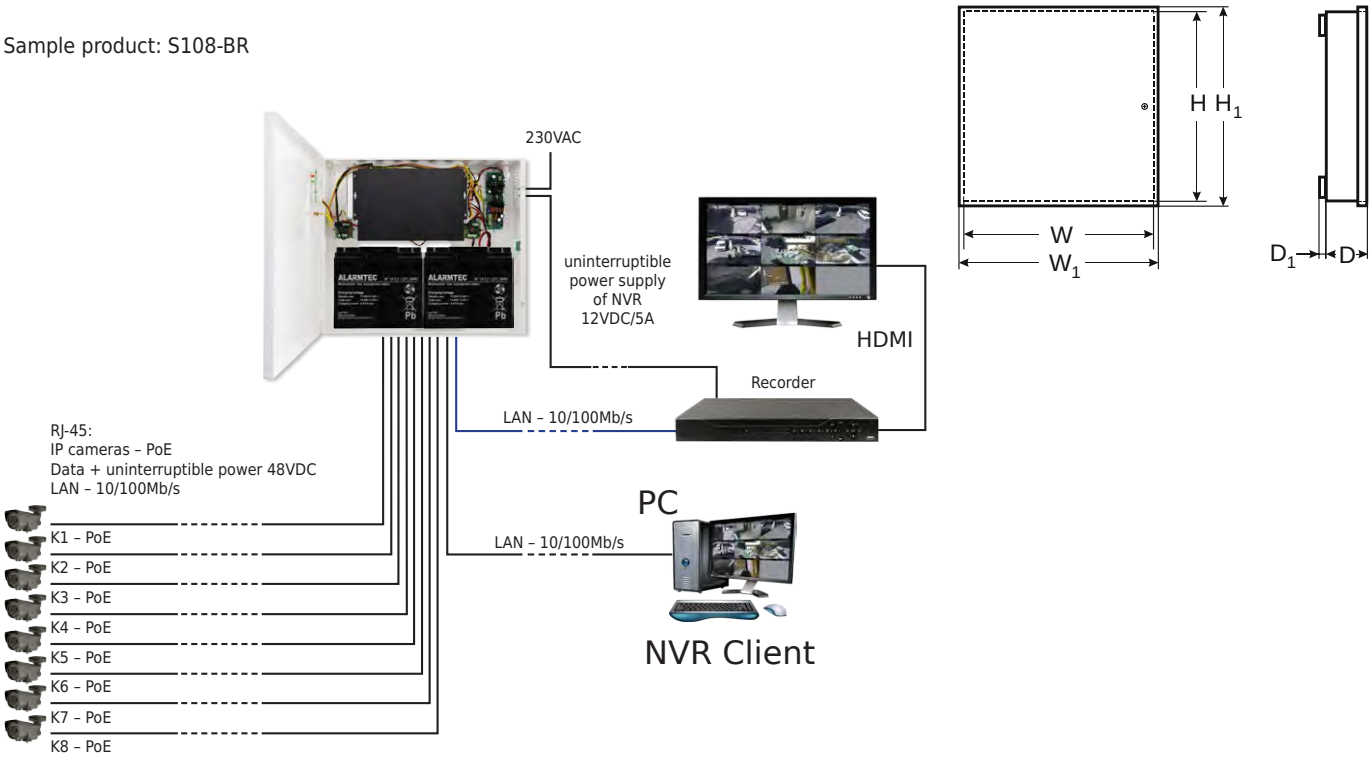
Tamper indicating enclosure opening – 1 piece

Output dedicated to supply recorder

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	Fitting battery	Battery charging current	Recorder power supply	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
S108-BR	10	8 – 100Mb/s	2 – 100Mb/s	—	2×17Ah	1,0A	12VDC/5A	397×350×92+8 402×355
SF108-BR	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	2×17Ah	1,0A	12VDC/5A	420×364×117+14 425×369

Sample product: S108-BR

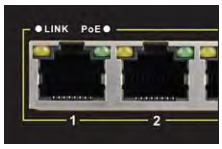


PoE switches for IP cameras and NVR with buffer power supply unit with recorder space S...-CRB, SF...-CRB series

- supports devices compliant with IEEE 802.3af / at standard *
- 10/100Mb/s and 1Gb/s ports
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W / 30W for each PoE port – 48VDC / 54VDC *
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- enclosure is fitted with space for 2×17Ah, 4×17Ah battery
- surface mounted enclosure, locking: bolted × 2 (lock assembly possible)
- 14mm distance (removable) from mounting surface
- output dedicated to supply recorder – 12VDC / 5A, 12VDC / 4A *
- space and straps for mounting recorder
- warranty: 2 years from production date

* depending on model

Sample product:
S108-CRB



PoE ports

2 × UPLINK port

RJ45 connectors – input / output

Output dedicated to supply recorder

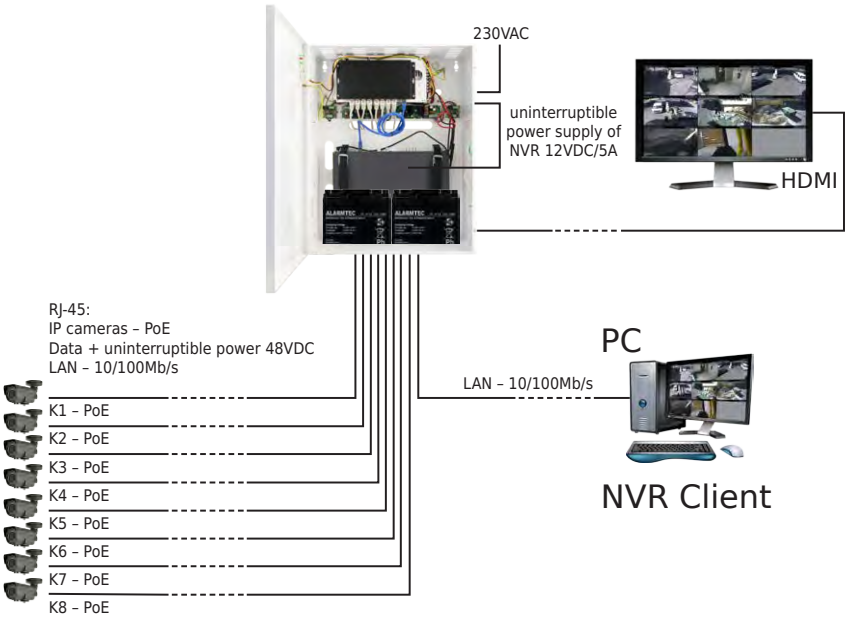
Straps for mounting recorder

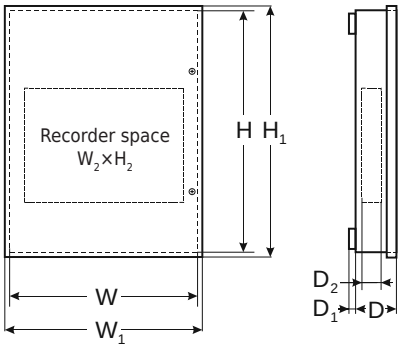
Applies to:
SF108-CRB, SF116-CRB

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	Fitting battery	Battery charging current	Recorder power supply	Dimensions of recorder space $W_2 \times H_2 \times D_2$ [+/- 2mm]	Dimensions $W \times H \times D + D_1$ [+/- 2mm]
S64-CRB	6	4 – 100Mb/s	2 – 100Mb/s	—	2×17Ah	0,5A	12VDC/5A	380×320×65	421×535×193+14
S108-CRB	10	8 – 100Mb/s	2 – 100Mb/s	—	2×17Ah	1,0A	12VDC/5A	380×320×65	421×535×193+14
SF108-CRB	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	2×17Ah	1,0A	12VDC/5A	380×320×65	421×535×193+14
SF116-CRB	18	16 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	4×17Ah	0,5A	12VDC/4A	400×345×80	525×680×165+14

Sample product: S108-CRB





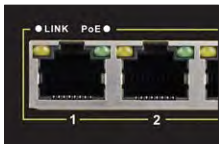
PoE switches for IP cameras with power supply desktop, with SFP sockets SF series

RACK 19″

- supports devices compliant with IEEE 802.3af standard
- 10/100Mb/s and 1Gb/s ports
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W for each PoE port – 48VDC
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation
- desktop type power supply supplied with switch *
- standard RACK 19″ / 1U
- additional mounting elements: mounting brackets for RACK 19”
- warranty: 2 years from production date

* depending on model

Sample product:
SF116



PoE ports

2 × UPLINK port

RJ45 connectors – input / output

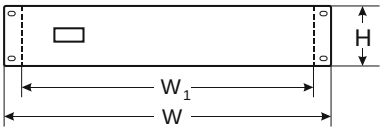
Power supply included *

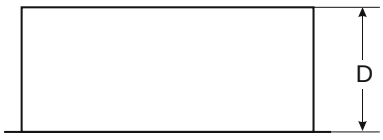
Mounting brackets for RACK 19”

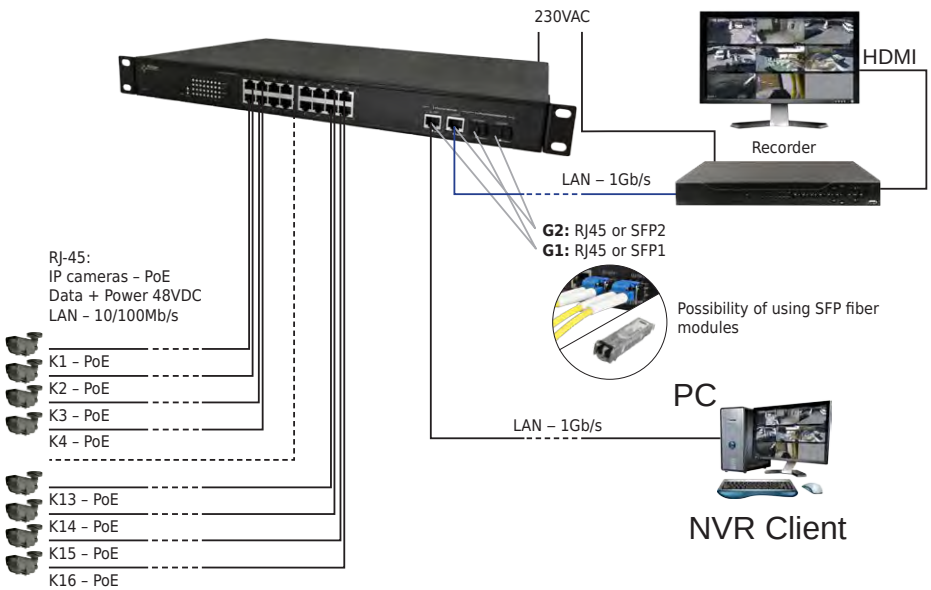
SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	Power supply (desktop type)	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D [+/- 2mm]
SF108	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	48VDC / 2,5A	19″×1U×150 (mounting brackets for RACK 19″)	482 / 220 / 44 / 150
SF116	18	16 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	230VAC	19″×1U×292 (mounting brackets for RACK 19″)	482 / 442 / 44 / 292

Sample product: SF116







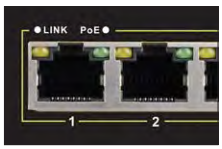
PoE switches for IP cameras with power supply RS, RSG, RSF series

RACK 19″

- supports devices compliant with IEEE 802.3af / at standard *
- 10/100Mb/s and 1Gb/s ports *
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W / 30W for each PoE port – 48VDC / 52VDC *
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- desktop type power supply supplied with switch *
- standard RACK 19″ - 1U / 2U *
- warranty: 2 years from production date

* depending on model

Sample product:
RSF108



PoE ports

2 × UPLINK port

RJ45 connectors – input / output

Desktop type power supply supplied with switch *

Applies to:
RSF116

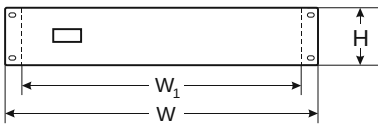
Power supply 44÷57VDC

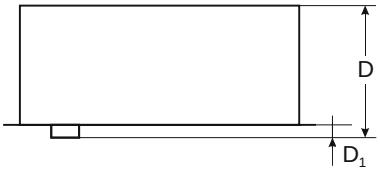
Applies to:
RSF108, RSF116

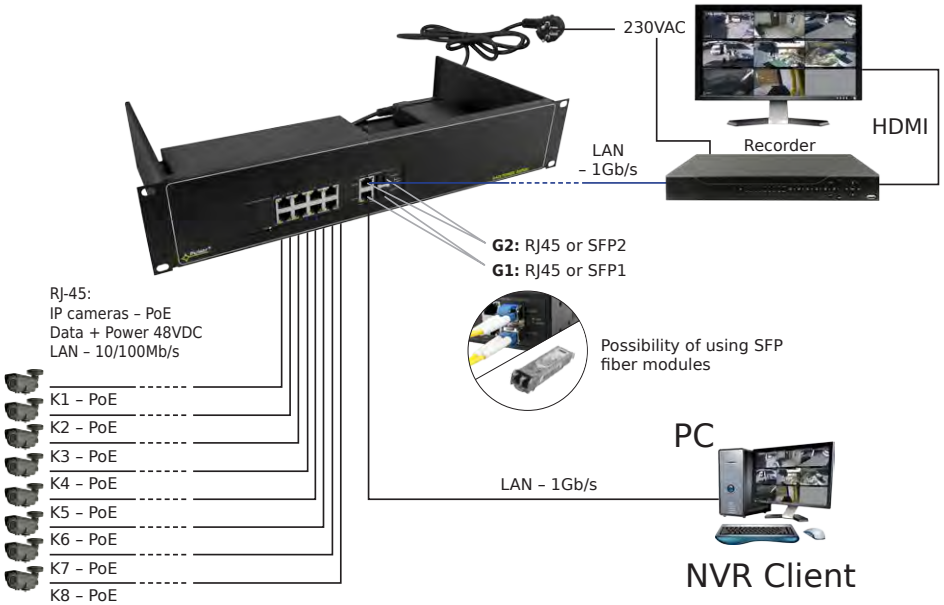
SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	Power supply	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D / D_1 [+/- 2mm]
RS64	6	4 – 100Mb/s	2 – 100Mb/s	—	230VAC	19″×1U×227	482 / 440 / 44 / 227 / –
RS108	10	8 – 100Mb/s	2 – 100Mb/s	—	230VAC	19″×1U×227	482 / 440 / 44 / 227 / –
RSG64	6	4 – 1Gb/s	2 – 1Gb/s	—	230VAC	19″×1U×227	482 / 440 / 44 / 227 / –
RSG108	10	8 – 1Gb/s	2 – 1Gb/s	—	230VAC	19″×1U×227	482 / 440 / 44 / 227 / –
RSF108	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	230VAC	19″×2U×227	482 / 444 / 88 / 227 / –
RSF116	18	16 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	44÷57VDC	19″×1U×200	483 / 446 / 44 / 200 / 15

Sample product: RSF108







PoE switches with buffer power supply for IP cameras
RSUPS, RSFUPS series

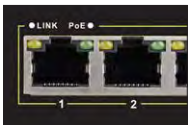
RACK 19″

- supports devices compliant with IEEE 802.3af standard
- 10/100Mb/s and 1Gb/s ports *
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W for each PoE port – 48VDC / 54VDC *
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- technical output ALARM relay C/NO/NC
- acoustic indication of failure – BUZZER
- buffer power supply included
- connectors for external battery connection
- standard RACK 19″ / 2U
- warranty: 2 years from production date

* depending on model

Sample product:
RSFUPS108

Applies to: RSFUPS...



PoE ports

2 × UPLINK port

RJ45 connectors – input / output

Connectors for external battery connection

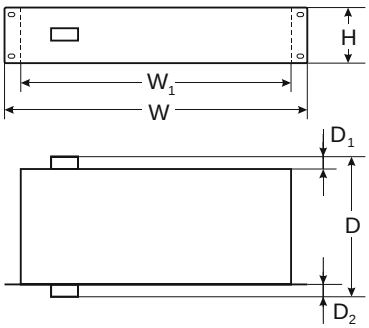
Technical output ALARM

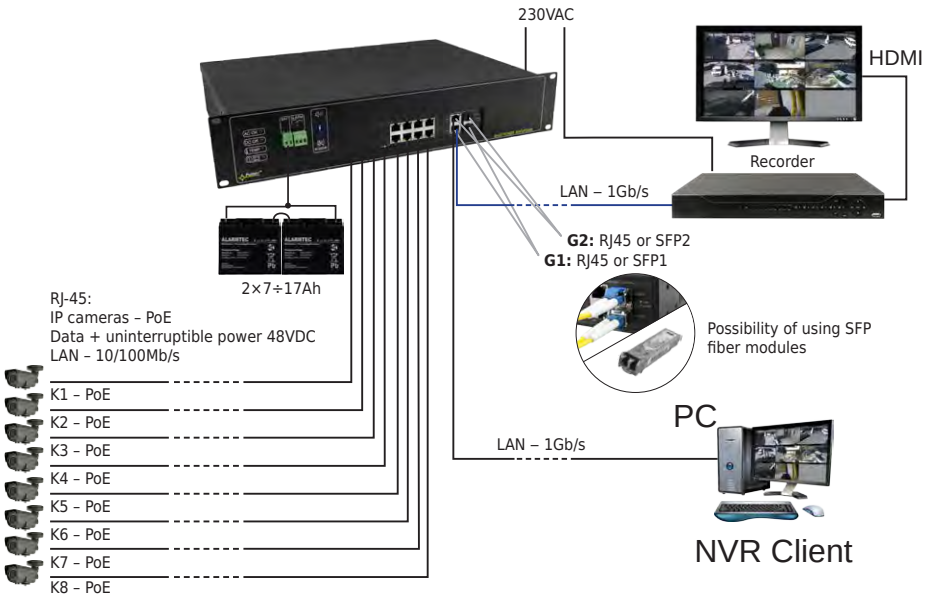
Failure indication – BUZZER

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	Battery charging current	Technical output of alarm	Mounting dimensions W×H×D	Dimensions $W / W_1 / H / D / D_1 / D_2$ [+/- 2mm]
RSUPS108	10	8 – 100Mb/s	2 – 100Mb/s	—	0,5A (2×7÷17Ah)	✓	19″×2U×307	482 / 442 / 88 / 307/ 32 / 10
RSFUPS108	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	0,5A (2×7÷17Ah)	✓	19″×2U×368	482 / 442 / 88 / 368 / 32 / 10
RSFUPS116	18	16 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	0,5A (4×7÷17Ah)	✓	19″×2U×348	482 / 446 / 88 / 348 / 32 / 15

Sample product: RSFUPS108





PoE switches with buffer power supply for IP cameras and NVR 12VDC
RSUPS...R, RSFUPS...R series

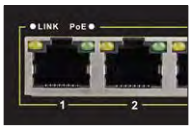
RACK 19″

- supports devices compliant with IEEE 802.3af standard
- 10/100Mb/s and 1Gb/s ports *
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W for each PoE port – 48VDC / 54VDC *
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- technical output ALARM relay C/NO/NC
- acoustic indication of failure – BUZZER
- buffer power supply included
- connectors for external battery connection
- standard RACK 19″ / 2U
- output dedicated to supply recorder – 12VDC / 4A
- warranty: 2 years from production date

Sample product:
RSFUPS108R

* depending on model

Applies to: RSFUPS...R



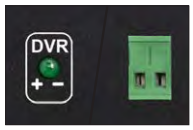
PoE ports

2 × UPLINK port

RJ45 connectors – input / output

– Connectors for external battery connection
– Technical output ALARM

Failure indication – BUZZER

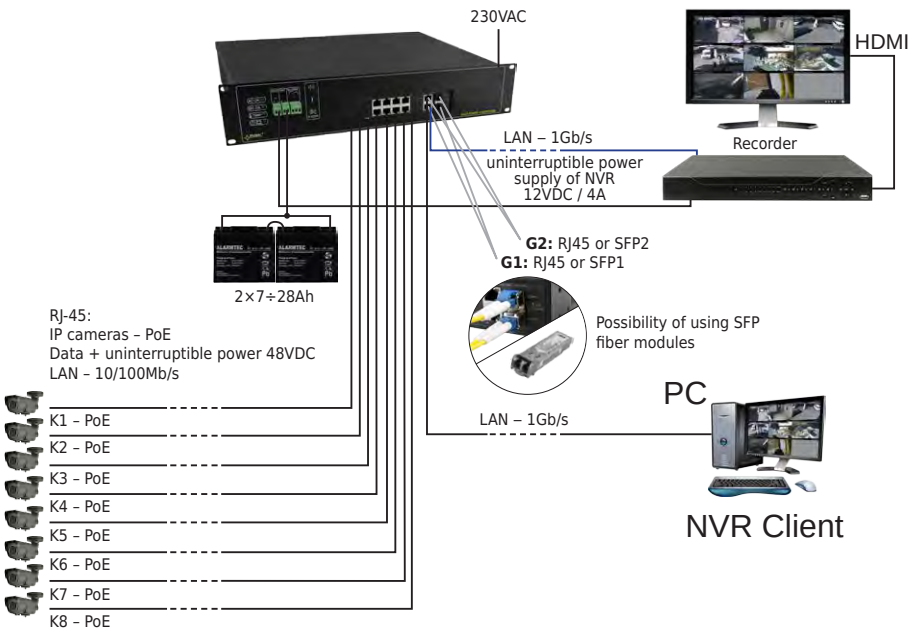


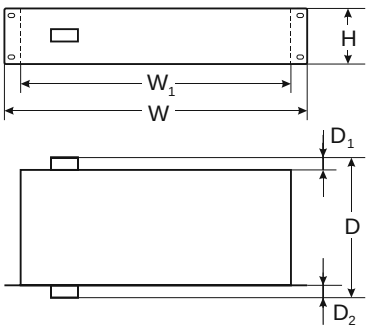
Power output of external recorder

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	Battery charging current	Technical output of alarm	Recorder power supply	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D / D_1 / D_2 [+/- 2mm]
RSUPS108R	10	8 – 100Mb/s	2 – 100Mb/s	—	1,0A (2×7÷28Ah)	✓	12VDC / 4A	19″×2U×307	482 / 442 / 88 / 307 / 32 / 10
RSFUPS108R	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	1,0A (2×7÷28Ah)	✓	12VDC / 4A	19″×2U×368	482 / 442 / 88 / 368 / 32 / 10
RSFUPS116R	18	16 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	0,5A (4×7÷17Ah)	✓	12VDC / 4A	19″×2U×348	482 / 446 / 88 / 348 / 32 / 15

Sample product: RSFUPS108R





PoE switches for IP cameras – for DIN rail without power supply unit
DS, DSF series

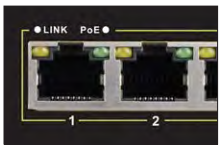
- supports devices compliant with IEEE 802.3af / at standard *
- 10/100Mb/s and 1Gb/s ports
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W / 30W for each PoE port – 48VDC
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- holder for DIN rail included – various mounting options, vertical or horizontal
- external power supply (48÷54VDC) required
- warranty: 2 years from production date

* depending on model

Sample product:
DSF108

vertical / horizontal installation

Applies to: DSF108



PoE ports

2 × UPLINK port

RJ45 connectors – input / output

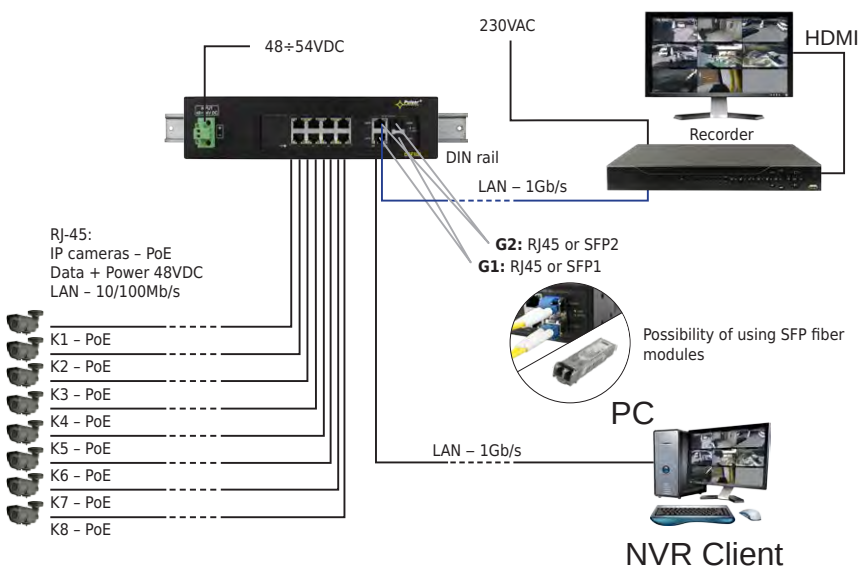
Holder for DIN rail included – various mounting options, vertical or horizontal

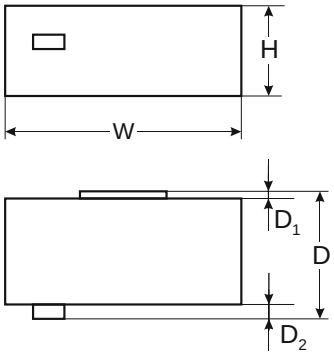
Power input: 48VDC

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	External power supply	Dimensions W×H×D [+/- 2mm] D_1 / D_2 [+/- 2mm]
DS64	6	4 – 100Mb/s	2 – 100Mb/s	—	48÷54VDC	175×50×137 9 / 15
DS108	10	8 – 100Mb/s	2 – 100Mb/s	—	48÷54VDC	247×50×157 9 / 15
DSF108	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	48÷54VDC	277×65×202 9 / 15

Sample product: DSF108





PoE switches for IP cameras – for DIN rail with power supply
DSA, DSFA series

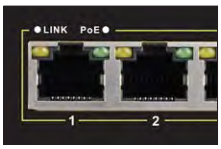
- supports devices compliant with IEEE 802.3af / at standard *
- 10/100Mb/s and 1Gb/s ports
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W / 30W for each PoE port – 48VDC
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- holder for DIN rail included – various mounting options, vertical or horizontal
- power supply: 230VAC
- warranty: 2 years from production date

* depending on model

Sample product:
DSFA108

vertical / horizontal installation

Applies to: DSFA108



Port PoE

2 × UPLINK port

RJ45 connectors – input / output

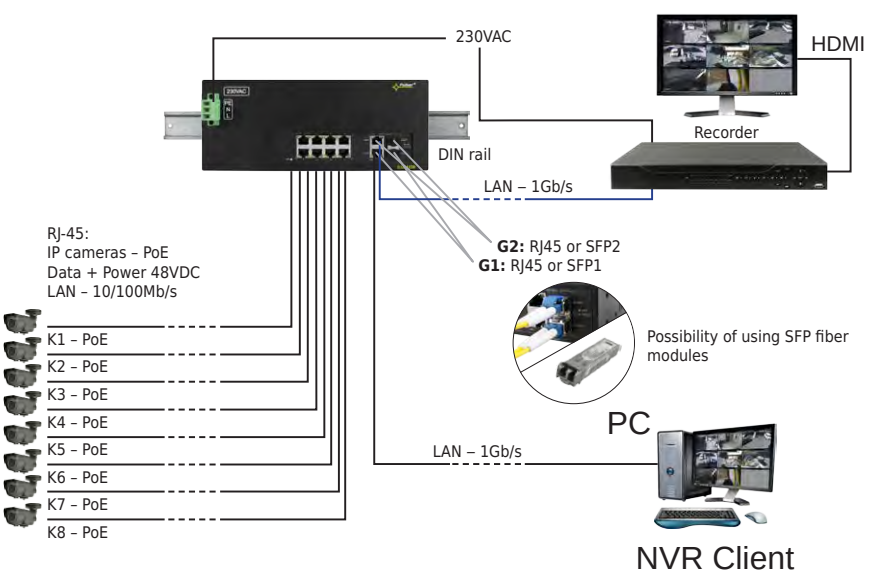
Holder for DIN rail included – various mounting options, vertical or horizontal

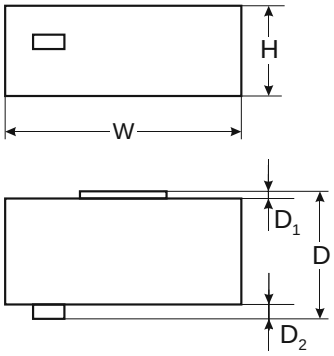
Power input: 230VAC

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	External power supply	Dimensions W×H×D [+/- 2mm] D_1 / D_2 [+/- 2mm]
DSA64	6	4 – 100Mb/s	2 – 100Mb/s	—	230VAC	190×90×155 9 / 24
DSA108	10	8 – 100Mb/s	2 – 100Mb/s	—	230VAC	245×110×191 9 / 24
DSFA108	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	230VAC	275×110×210 9 / 24

Sample product: DSFA108





PoE switches for IP cameras – for DIN rail with buffer power supply
DSB, DSFB series

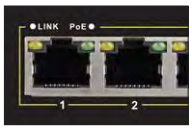
- supports devices compliant with IEEE 802.3af / at standard *
- 10/100Mb/s and 1Gb/s ports
- PoE ports – data transfer and power supply
- PoE supply – 4/5 (+) and 7/8 (-) pairs
- 15,4W / 30W for each PoE port – 48VDC
- UPLINK ports: 2 – for recorder / switch / computer installation
- SFP UPLINK ports: 2 – for recorder / switch / computer installation *
- holder for DIN rail included – various mounting options, vertical or horizontal
- power supply: 230VAC
- connectors for external battery connection
- warranty: 2 years from production date

Sample product:
DSFB108

* depending on model

vertical / horizontal installation

Applies to: DSFB108



Port PoE

2 × UPLINK port

RJ45 connectors – input / output

Holder for DIN rail included – various mounting options, vertical or horizontal

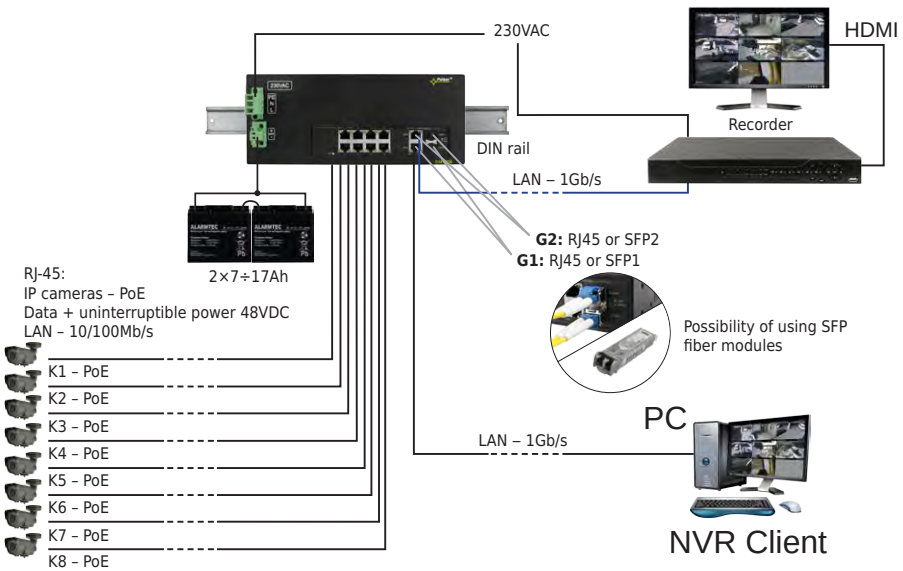
Power input: 230VAC

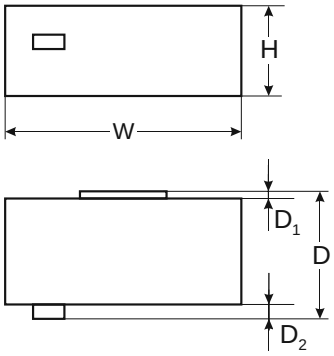
Connectors for external battery connection

SFP UPLINK ports, possibility of using SFP fiber modules

Code	Number of ports: RJ45	Number of ports: PoE	Number of ports: UPLINK	SFP UPLINK ports	External power supply	Battery charging current	Dimensions W×H×D [+/- 2mm] D_1 / D_2 [+/- 2mm]
DSB64	6	4 – 100Mb/s	2 – 100Mb/s	—	230VAC	0,5A (1×7÷17Ah)	245×110×191 9 / 24
DSB108	10	8 – 100Mb/s	2 – 100Mb/s	—	230VAC	0,5A (2×7÷17Ah)	245×110×191 9 / 24
DSFB108	10	8 – 100Mb/s	2 – 1Gb/s	2 – 1Gb/s	230VAC	0,5A (2×7÷17Ah)	275×110×210 9 / 24

Sample product: DSFB108





SFP fiber optic modules for switches of SF... series
GBIC series

- fiber type: single mode (SM) / multimode (MM) *
- optical connector Type: LC / SC *
- wavelength: 1310nm / 1310nm *
  1310nm / 1550nm *
  1550nm / 1310nm *
- transmission range: up to 2km / up to 20km *
- transmission speed: 1,25Gb/s
- standards and protocols: IEEE 802.3z 1000Base-FX
- power supply: 3,3VDC (power from SFP port)
- notes:
  - built-in DDM (Digital Diagnostics Monitoring)
  - module has snap-lock system for optical connectors
- warranty: 2 years from production date

* depending on model

Sample product:
GBIC-101

Optical Connector Type:
2xLC

Optical Connector Type:
1xSC

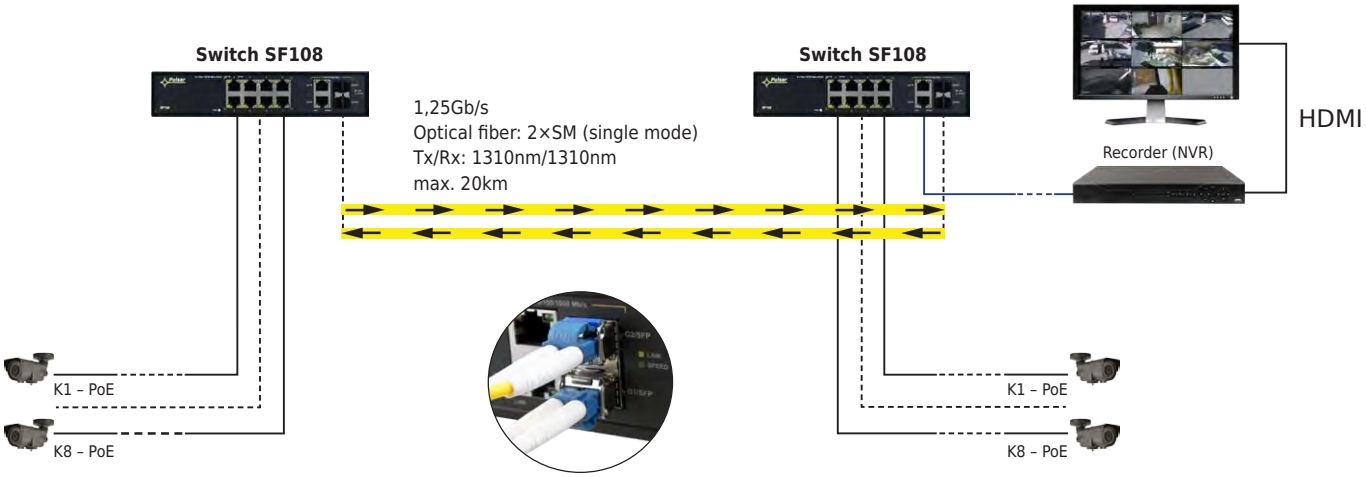
Optical Connector Type:
1xLC

Module has
snap-lock system for
optical connectors

Code	Fiber type	Optical Connector Type	Wavelength Tx/Rx	Transmission range	Transmission speed
GBIC-101	SM	2×LC	1310nm / 1310nm	20km	1,25Gb/s
GBIC-102	MM	2×LC	1310nm / 1310nm	2km	1,25Gb/s
GBIC-103	SM	1×SC	1310nm / 1550nm	20km	1,25Gb/s
GBIC-104	SM	1×SC	1550nm / 1310nm	20km	1,25Gb/s
GBIC-105	SM	1×LC	1310nm / 1550nm	20km	1,25Gb/s
GBIC-106	SM	1×LC	1550nm / 1310nm	20km	1,25Gb/s

Sample product: GBIC-101

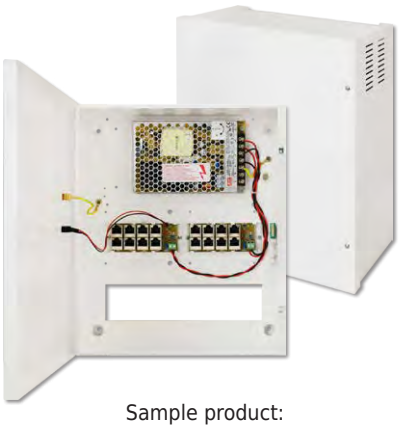
Optical Connector Type
2×LC



PoE power supply units for IP cameras 48VDC economical version
PoE series

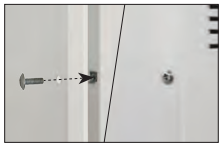
- power supply: 90÷264VAC, 176÷264VAC *
- available models: 48VDC / 4×0,35A – RJ45
  48VDC / 8×0,35A – RJ45
  48VDC / 16×0,35A – RJ45
- voltage adjustment range: 46÷52VDC, 41÷56VDC *
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
  - antisabotage protection
- notes:
  - surface mounted enclosure, locking – bolted
  - designed for 10Mb/s and 100Mb/s network
  - not compliant with IEEE 802.3af standard
- warranty: 2 years from production date

* depending on model



Sample product:
POE0848

Tamper indicating enclosure opening – 1 piece

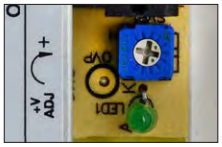


Closing – front mounting – 2 piecess

RJ45 connectors – input / output

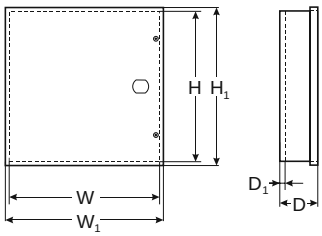
Removable hinges

Distance from wall – 15mm

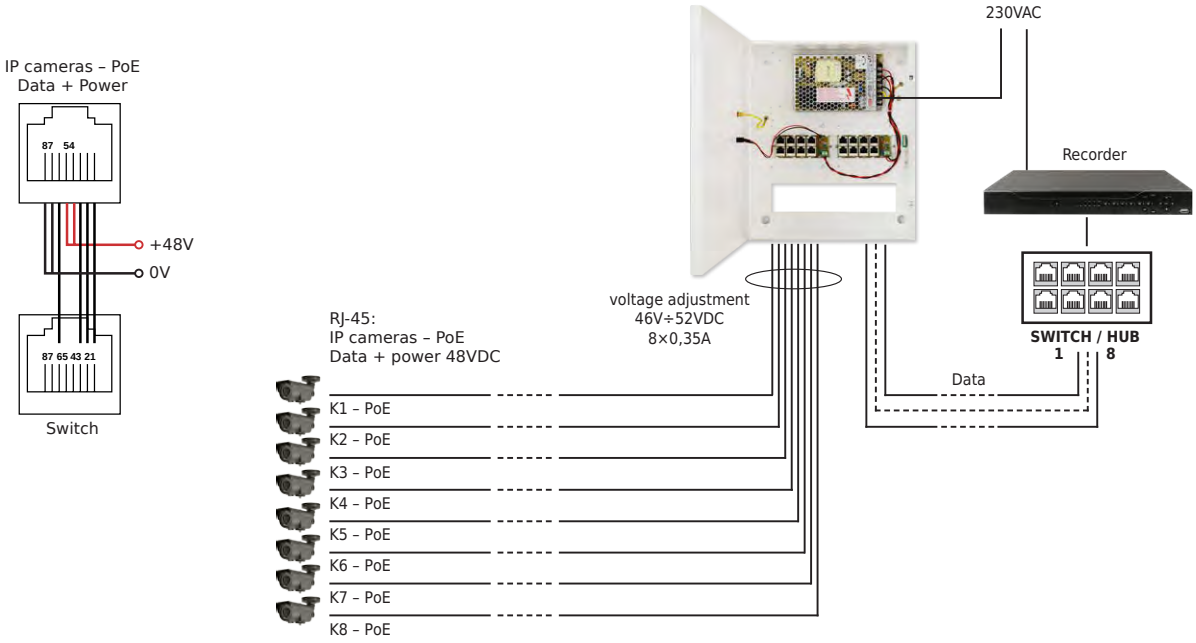


Adjustable output voltage

	Code	Adjustable output voltage	Output current	Number of outputs RJ45	Dimensions W×H×D (D_1) [+/- 2mm] W_1×H_1 [+/- 2mm]
48VDC	**POE0448**	46V÷52V	1,5A	4×0,35A	230×281×117 (15) 235×285
	POE0848	46V÷52V	3,0A	8×0,35A	270×316×117 (15) 275×321
	POE1648	41V÷56V	6,0A	16×0,35A	291×387×117 (15) 295×391



Sample product: POE0848



PoE power supply units for IP cameras 48VDC with fault outputs
PoE series

- power supply: 88÷264VAC, 176÷264VAC, 90÷264VAC *
- available models: 48VDC / 4×0,4A
  48VDC / 8×0,4A
  48VDC / 16×0,4A
- voltage adjustment range: 46÷52VDC, 41÷56VDC *
- number of outputs × fuse: RJ45 4×0,5A / RJ45 8×0,5A / RJ45 16×0,5A *
- jumper selectable fuse type: glass fuse / PTC
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
  - antisabotage protection
- technical outputs OC and relay type:
  - FPS – indication of output fuse activation
- notes:
  - surface mounted enclosure, locking – bolted
  - mounting plate for mounting network switch – Ethernet Switch/Hub
  - designed for 10Mb/s and 100Mb/s network
  - not compliant with IEEE 802.3af standard
- warranty: 2 years from production date

Sample product:
POE084832

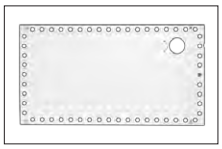
* depending on model

LED optical indication

RJ45 connectors
– input / output

Jumper selectable fuse type:
glass fuse / PTC

Technical outputs OC and relay type
FPS – fuse failure

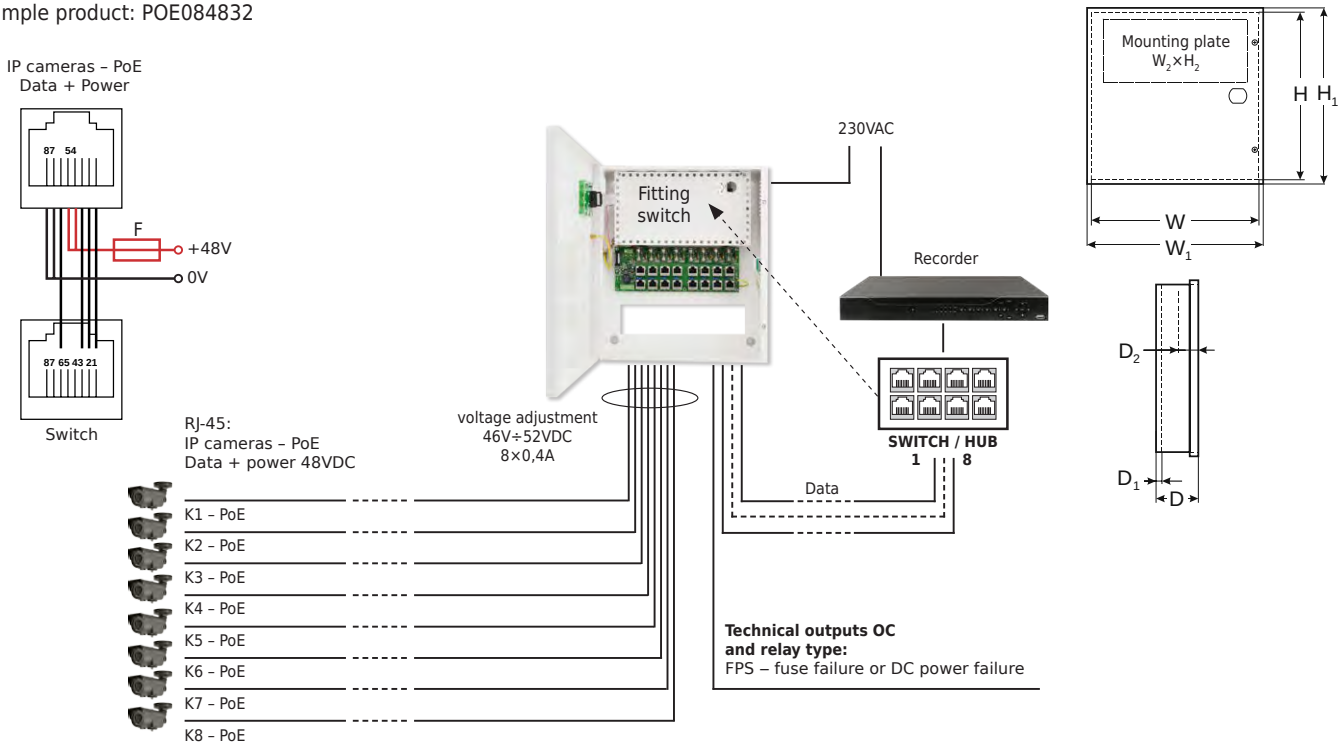


Mounting plate
– SWITCH / HUB

Adjustable output voltage

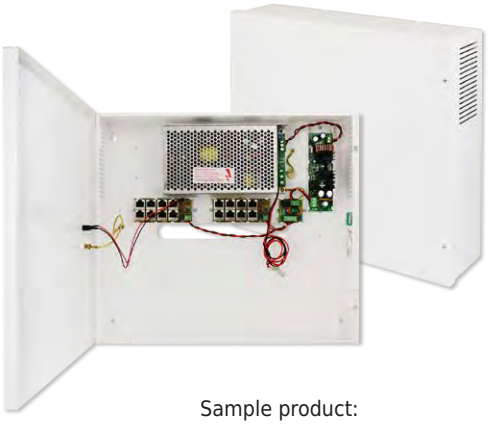
	Code	Voltage adjustment	Total current	Number of outputs: RJ45	Fuse type (jumper selectable fuse type)	Technical outputs	Mounting plate dimensions $W_2 \times H_2$ [+/- 2mm]	Dimensions W×H×D (D_1) [+/- 2mm] W_1 / H_1 / D_2 [+/- 2mm]
48VDC	**POE044816**	46V÷52V	1,6A	4×0,4A	0,5A – glass fuse / PTC	✓	190×114	230×281×117 (15) 235 / 285 / 48
	POE084832	46V÷52V	3,2A	8×0,4A	0,5A – glass fuse / PTC	✓	230×125	270×316×117 (15) 275 / 321 / 48
	POE164864	41V÷56V	6,4A	16×0,4A	0,5A – glass fuse / PTC	✓	230×125	291×387×117 (15) 295 / 391 / 48

Sample product: POE084832



PoE buffer power supply units for IP cameras 48VDC / 54VDC economical version
PoE series

- power supply: 176÷264VAC
- available models: 48VDC / 4×0,32A – RJ45
  48VDC / 8×0,32A – RJ45
  54VDC / 16×0,3A – RJ45
- battery charging current: 0,5A
- fitting battery: 1×7Ah / 2×17Ah / 4×17Ah *
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection *
  - surge protection, antisabotage protection
- notes:
  - mounted converter: 12V/48V; 24V/48V *
  - surface mounted enclosure, locking – bolted
  - designed for 10Mb/s and 100Mb/s network
  - not compliant with IEEE 802.3af standard
- warranty: 2 years from production date

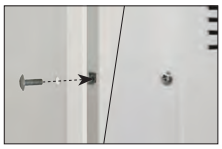


Sample product:
POE0848C

* depending on model

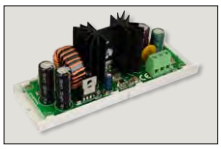
Applies to: POE1648C

Tamper indicating enclosure opening – 1 piece

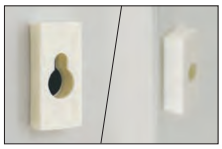


Closing – front mounting – 2 piecess

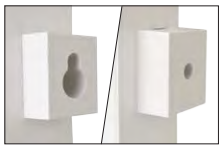
RJ45 connectors – input / output



Mounted converter: 12V/48V; 24V/48V *



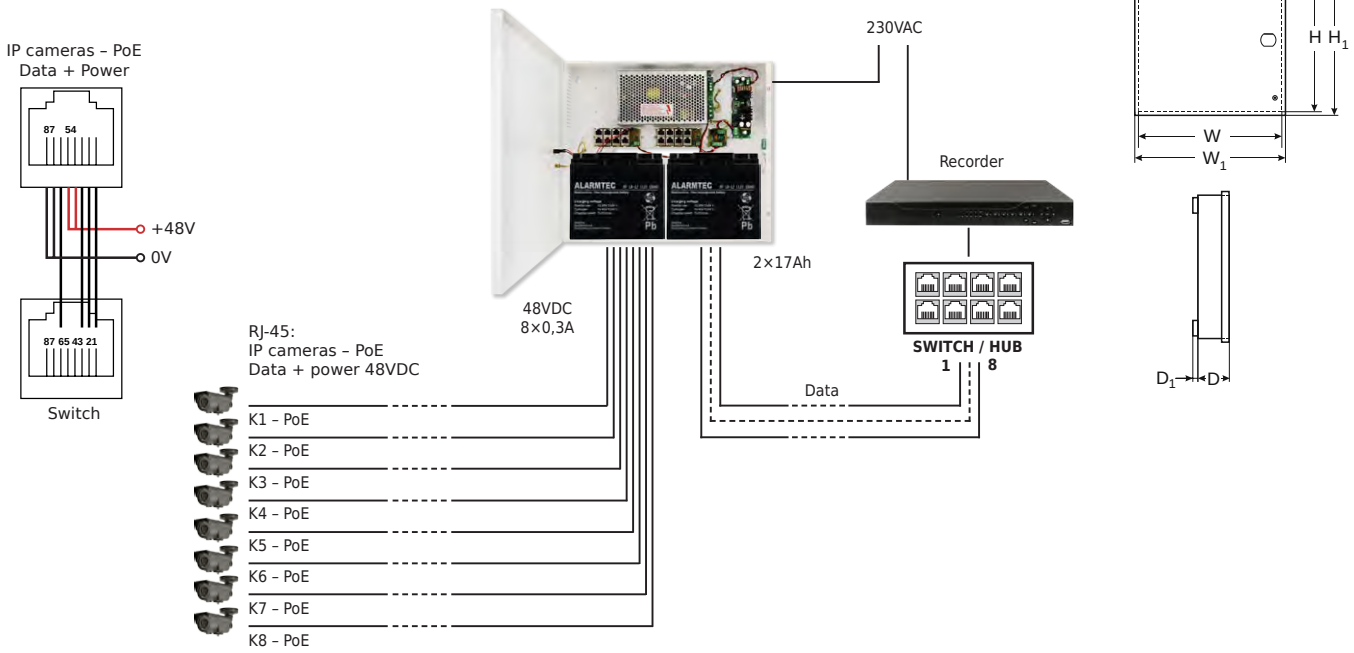
Distance from wall (plastic) – 8mm



Distance from wall (plastic) – 14mm

	Code	Total current (RJ45 connectors)	Number of outputs RJ45	Battery charging current	Fitting battery	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
48VDC	**POE0448B**	1,25A	4×0,32A	0,5A	1×7Ah	280×292×82+8 285×296
48VDC	**POE0848C**	2,5A	8×0,32A	0,5A	2×17Ah	400×350×92+8 405×355
54VDC	**POE1648C**	5,0A	16×0,3A	0,5A	4×17Ah	420×373×183+14 425×378

Sample product: POE0848C

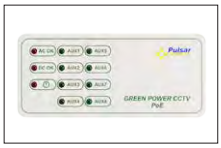


PoE buffer power supply units for IP cameras 54VDC with fault outputs
PoE series

- power supply: 176÷264VAC
- available models: 54VDC / 4×0,25A
  54VDC / 8×0,3A
- number of outputs × fuse: RJ45 4×0,5A / RJ45 8×0,5A *
- jumper selectable fuse type: glass fuse / PTC
- battery charging current: 0,3A / 0,5A / 1,0A *
- fitting battery: 4×7Ah
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection, antisabotage protection
- technical outputs OC and relay type:
  - FPS – indication of output fuse activation
- notes:
  - surface mounted enclosure, locking – bolted
  - mounting plate for mounting network switch – Ethernet Switch/Hub
  - designed for 10Mb/s and 100Mb/s network
  - not compliant with IEEE 802.3af standard
- warranty: 2 years from production date

Sample product:
POE084824B

* depending on model

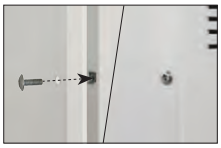


LED optical indication

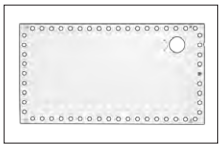
RJ45 connectors
– input / output

Jumper selectable fuse type:
glass fuse / PTC

Technical outputs OC and relay type
FPS – fuse failure



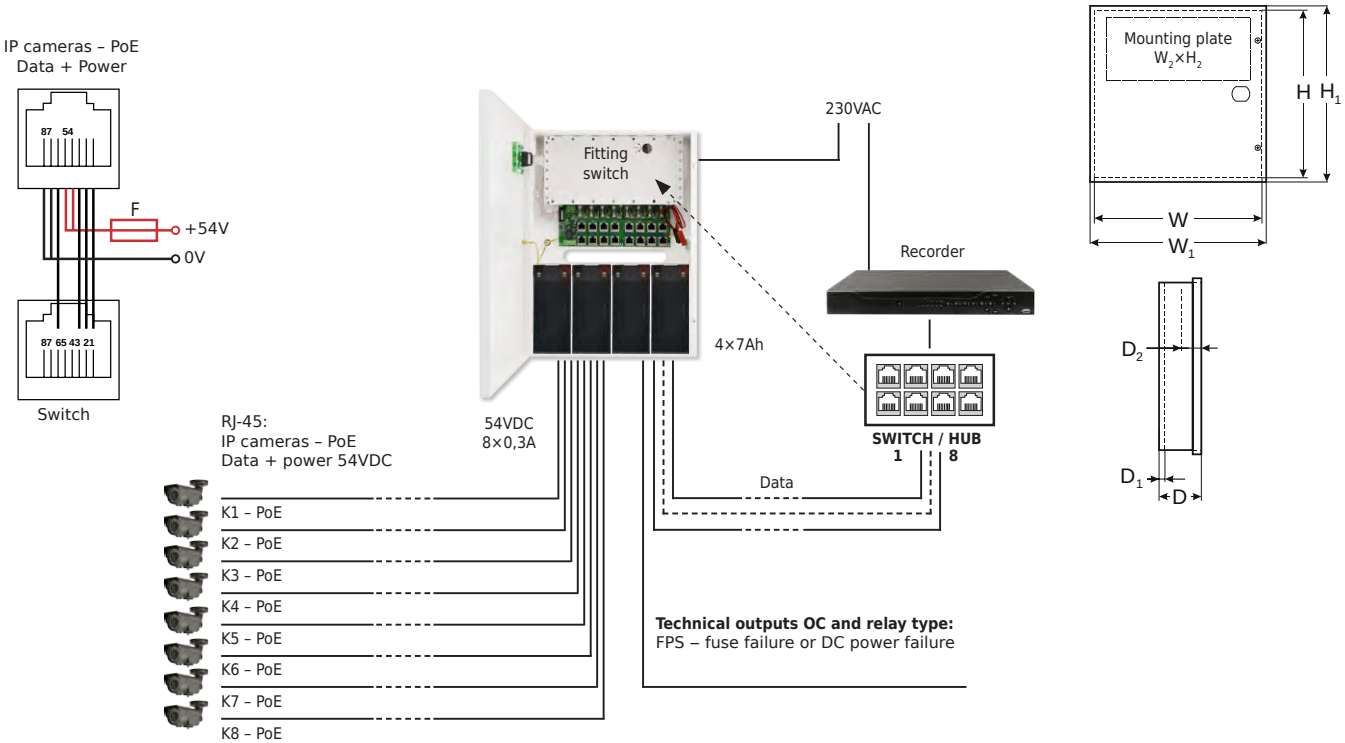
Closing – front mounting
– 1 piece / 2 piecess



Mounting plate
– SWITCH / HUB

	Code	Total current	Number of outputs: RJ45	Battery charging current	Fitting battery	Fuse type (jumper selectable fuse type)	Technical outputs	Mounting plate dimensions $W_2 \times H_2$ [+/- 2mm]	Dimensions W×H×D (D_1) [+/- 2mm] W_1 / H_1 / D_2 [+/- 2mm]
54VDC	**POE044812B**	1,2A	4×0,25A	0,3A	4×7Ah	0,5A – glass fuse / PTC	✓	260×127	300×407×127 (15) 305 / 410 / 58
	POE084824B	2,8A	8×0,3A	0,5A / 1,0A	4×7Ah	0,5A – glass fuse / PTC	✓	260×127	300×407×127 (15) 305 / 410 / 48

Sample product: POE084824B



PoE buffer power supply units 27,6VDC with fault outputs PoE series

- power supply 176÷264VAC
- available models: 27,6VDC / 4×0,4A
  27,6VDC / 4×1,0A
- number of outputs × fuse: RJ45 4×0,5A / RJ45 4×1,0A
- jumper selectable fuse type: glass fuse / PTC
- battery charging current: 0,2A / 0,5A / 2,0A *
- fitting battery: 2×7Ah
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
  - antisabotage protection
- technical outputs OC and relay type:
  - FPS – indication of output fuse activation
- notes:
  - surface mounted enclosure, locking – bolted (lock assembly possible)
  - designed for 10Mb/s and 100Mb/s network
- warranty: 2 years from production date

Sample product:
POE042455B

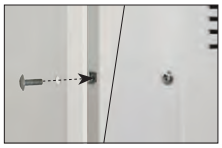
* depending on model

LED optical indication

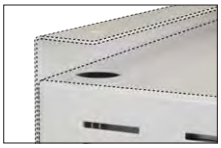
RJ45 connectors
– input / output

Jumper selectable fuse type:
glass fuse / PTC

Technical outputs OC and relay type
FPS – fuse failure



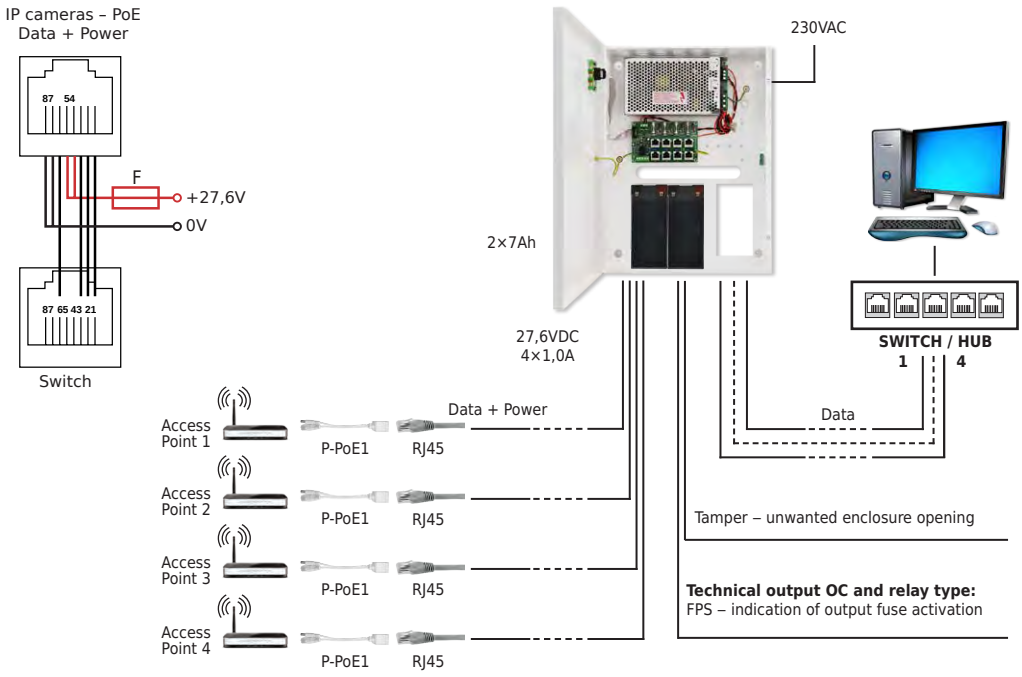
Closing – front mounting
– 2 piecess

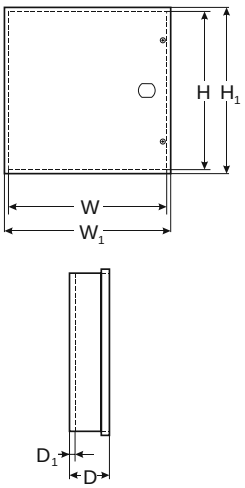


Distance from wall
– 15mm

	Code	Total current	Number of outputs: RJ45	Battery charging current	Fitting battery	Fuse type (jumper selectable fuse type)	Technical outputs	Dimensions W×H×D (D_1) [+/- 2mm] W_1 / H_1 [+/- 2mm]
27,6VDC	**POE042418B**	1,8A	4×0,4A	0,2A	2×7Ah	0,5A – glass fuse / PTC	✓	300×407×127 (15) 305 / 410
	POE042455B	5,5A	4×1,0A	0,5A / 2,0A	2×7Ah	1,0A – glass fuse 1,1A – PTC	✓	300×407×127 (15) 305 / 410

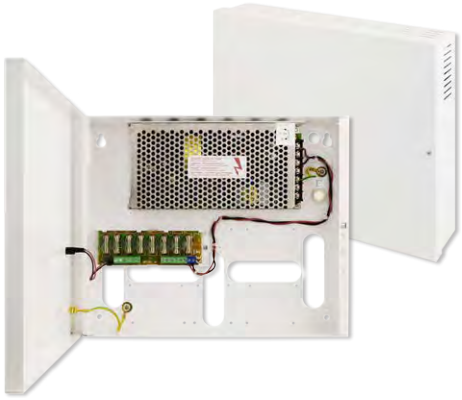
Sample product: POE042455B



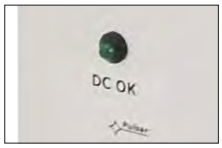


Multi-output power supply units – 12VDC
PSDC...T series

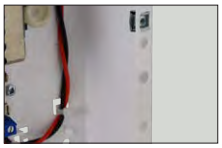
- power supply: 85÷264VAC / 88÷264VAC / 176÷264VAC
- available models: 12VDC / 4×0,5A
  12VDC / 5×1,0A
  12VDC / 8×1,0A
  12VDC / 9×0,5A
  12VDC / 16×0,5A / 16×0,8A / 16×1,0A / 16×1,5A
- voltage adjustment range: 12÷15VDC
- number of outputs × fuse: 4×0,5A / 5×1,0A / 9×0,5A / 8×1,0A / 16×0,5A / 16×0,8A / 16×1,0A / 16×1,5A
- fuse type: glass fuse
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
- notes:
  - surface mounted enclosure, locking – bolted
- warranty: 2 years from production date



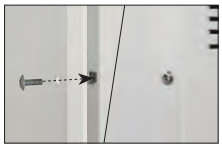
Sample product:
PSDC08128T



LED optical indication



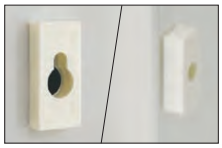
Space for tamper
(PKAZ005)



Closing
– front mounting – 1 piece

Fuse-protected output:
glass fuse

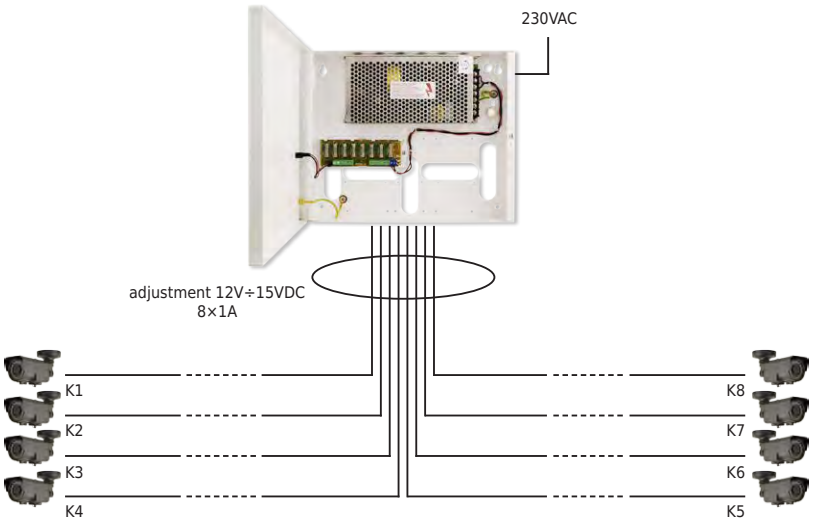
Removable hinges

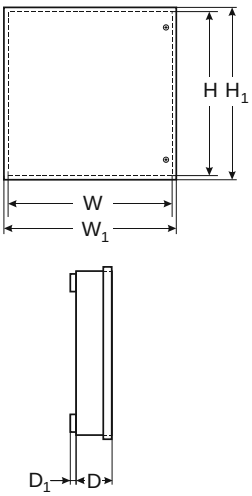


Distance from wall (plastic)
– 8mm

	Code	Adjustable output voltage	Output current	Number of outputs	Fuse type	Dimensions W×H×D+D_1 [+/- 2mm]
12VDC	**PSDC04122T**	12÷15VDC	2,0A	4×0,5A	0,5A – glass fuse	230×177×52+8
	PSDC05125T	12÷15VDC	5,0A	5×1,0A	1,0A – glass fuse	230×177×52+8
	PSDC09125T	12÷15VDC	5,0A	9×0,5A	0,5A – glass fuse	230×177×52+8
	PSDC08128T	12÷15VDC	8,0A	8×1,0A	1,0A – glass fuse	290×256×52+8
	PSDC16128T	12÷15VDC	8,0A	16×0,5A	0,5A – glass fuse	290×256×52+8
	PSDC161212T	12÷15VDC	12,0A	16×0,8A	0,8A – glass fuse	290×256×52+8
	PSDC161216T	12÷15VDC	16,0A	16×1,0A	1,0A – glass fuse	290×256×52+8
	PSDC161224T	12÷15VDC	24,0A	16×1,5A	1,5A – glass fuse	360×211×51+8

Sample product: PSDC08128T



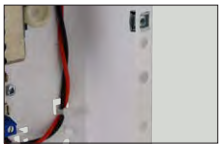


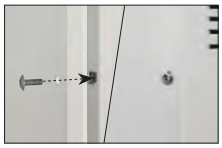
Multi-output power supply units – 12VDC, with independently adjustable voltage and with galvanic isolation of each section PSDCS series

- power supply: 176÷264VAC
- available models: 12VDC / 8×1,0A
  12VDC / 16×0,87A
- voltage adjustment range: 12÷15VDC - with independently adjustable voltage and with galvanic isolation of each section
- number of outputs × fuse: 8×1,0A / 16×1,0A
- fuse type: glass fuse
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
- notes:
  - surface mounted enclosure, locking – bolted
  - PSU is fitted with two independent, galvanically isolated power sections
- warranty: 2 years from production date

Sample product:
PSDCS161214

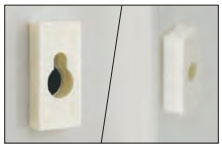
LED optical indication


Space for tamper
(PKAZ005)


Closing
– front mounting – 1 piece

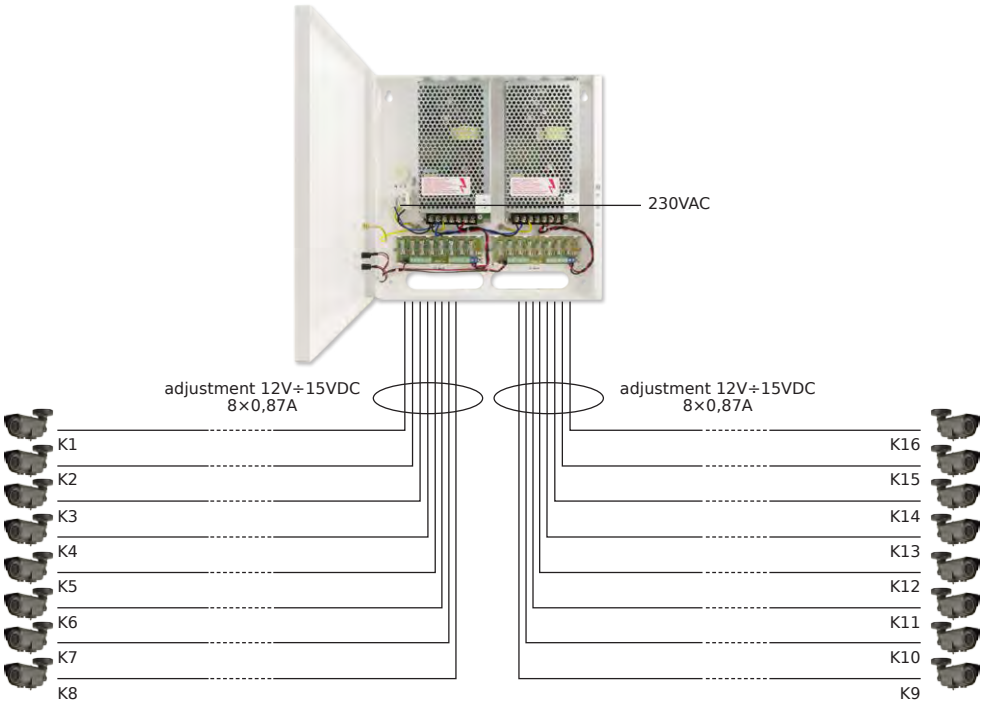
Fuse-protected output:
glass fuse

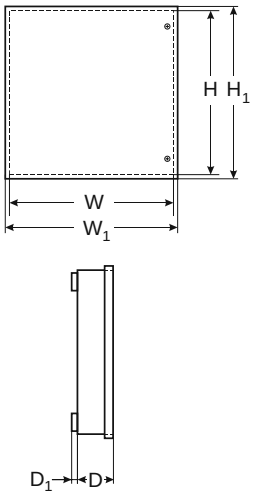
Removable hinges


Distance from wall (plastic)
– 8mm

	Code	Adjustable output voltage	Output current	Number of outputs	Fuse type	Dimensions W×H×D+D$_1$ [+/- 2mm] W$_1$×H$_1$ [+/- 2mm]
12VDC	**PSDCS08128**	2×12÷15VDC	8,0A	8×1,0A	1,0A – glass fuse	300×301×52+8 305×306
	PSDCS161214	2×12÷15VDC	14,0A	16×0,87A	1,0A – glass fuse	300×301×52+8 305×306

Sample product: PSDCS161214

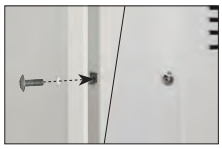




Multi-output power supply units – 12VDC with recorder space PSDCR series

- power supply: 176÷264VAC
- available models: 12VDC / 8×1,0A
  12VDC / 16×0,87A
- voltage adjustment range: 12÷15VDC
- number of outputs × fuse: 8×1,0A / 16×1,0A
- fuse type: glass fuse
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
- notes:
  - **enclosure is fitted with recorder space**
  - surface mounted enclosure, locking – bolted
  - enclosure is fitted with 230VAC socket for recorder's power supply
  - provides additional space for installation of recorder's power supply
  - enclosure is fitted with straps for mounting DVR
- warranty: 2 years from production date

Sample product:
PSDCR161214



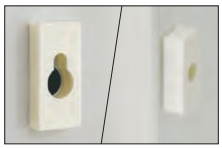
Closing
– front mounting – 2 piecess

Fuse-protected output:
glass fuse

Shelf for DVR power supply unit, 230VAC socket

Straps for mounting DVR

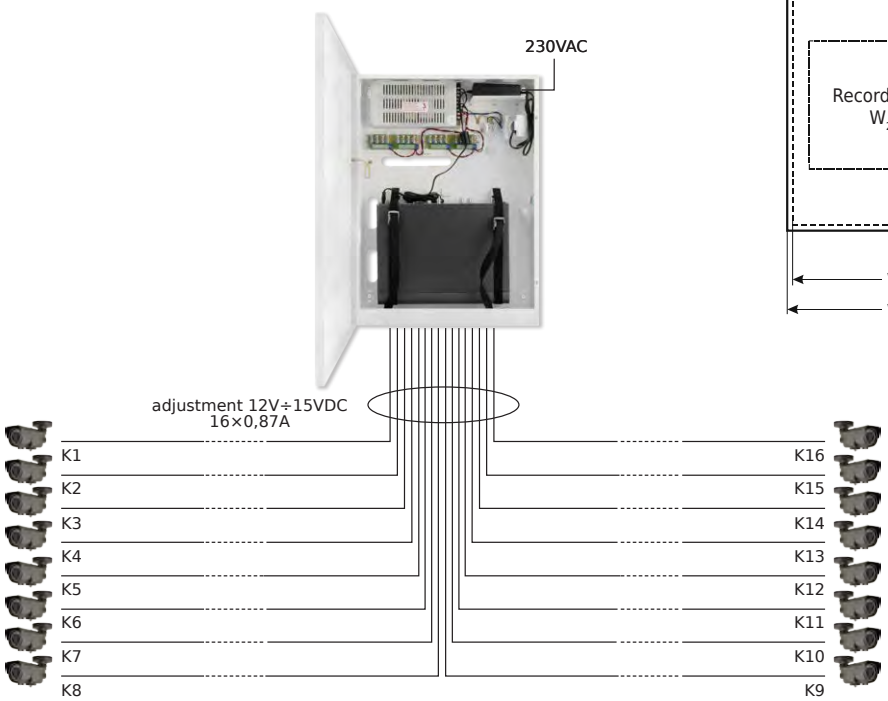
Removable hinges

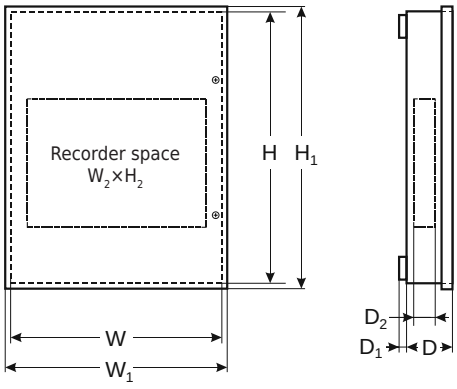


Distance from wall (plastic)
– 8mm

	Code	Adjustable output voltage	Output current	Number of outputs	Fuse type	Dimensions of recorder space $W_2 \times H_2 \times D_2$ [+/- 2mm]	Dimensions $W \times H \times D + D_1$ [+/- 2mm] $W_1 \times H_1$ [+/- 2mm]
12VDC	**PSDCR08128**	12÷15VDC	8,0A	8×1,0A	1,0A – glass fuse	400×345×95	432×607×102+14 437×612
	PSDCR161214	12÷15VDC	14,0A	16×0,87A	1,0A – glass fuse	400×345×95	435×607×102+14 437×612

Sample product: PSDCR161214

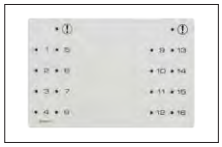




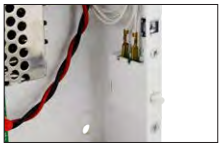
Multi-output power supply units – 12VDC with fault outputs
PSDC series

- power supply: 85÷264VAC / 88÷264VAC / 176÷264VAC
- available models: 12VDC / 4×0,5A / 4×1,0A
  12VDC / 8×0,5A / 8×1,0A
  12VDC / 16×0,5A / 16×0,87A / 16×1,2A
- voltage adjustment range: 12÷15VDC
- number of outputs × fuse: 4×0,5A / 4×1,0A / 8×0,5A / 8×1,0A / 16×0,5A / 16×1,0A / 16×1,1A / 16×1,5A
- jumper selectable fuse type: glass fuse / PTC
- technical outputs OC type:
  - FPS – indication of output fuse activation
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
  - antisabotage protection
- notes:
  - surface mounted enclosure, locking – bolted
- warranty: 3 years from production date

Sample product:
PSDC08128



LED optical indication



Tamper indicating enclosure opening – 1 piece

Jumper selectable fuse type: glass fuse / PTC

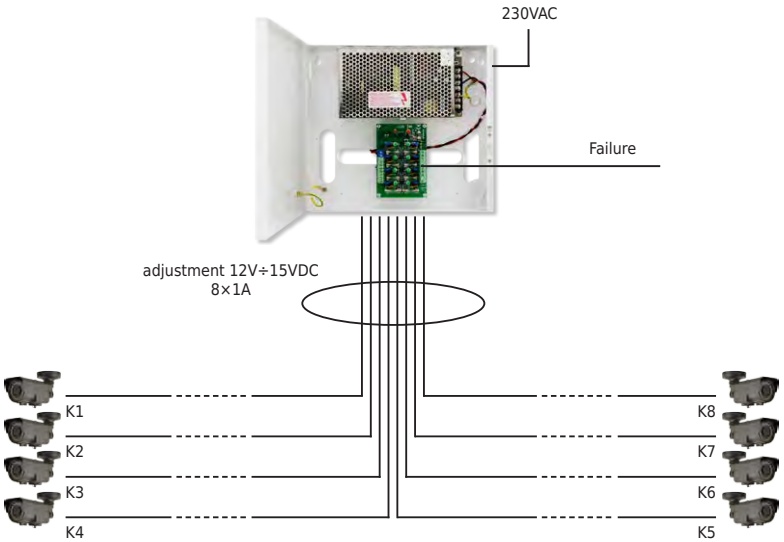
Technical outputs – OC type
FPS – fuse failure

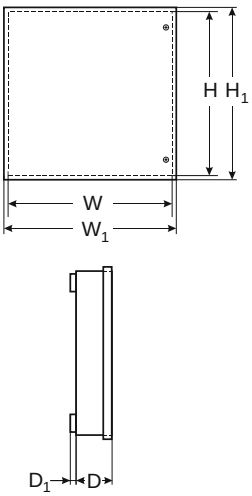
Removable hinges

Distance from wall (plastic) – 8mm

	Code	Adjustable output voltage	Output current	Number of outputs	Fuse type (jumper selectable fuse type)	Technical outputs	Dimensions W×H×D+D_1 [+/- 2mm]
12VDC	**PSDC04122**	12÷15VDC	2,0A	4×0,5A	0,5A – glass fuse / PTC	✓	230×177×52+8
	PSDC04124	12÷15VDC	4,0A	4×1,0A	1,0A – glass fuse / PTC	✓	230×177×52+8
	PSDC08124	12÷15VDC	4,0A	8×0,5A	0,5A – glass fuse / PTC	✓	290×256×52+8
	PSDC08128	12÷15VDC	8,0A	8×1,0A	1,0A – glass fuse / PTC	✓	290×256×52+8
	PSDC16128	12÷15VDC	8,0A	16×0,5A	0,5A – glass fuse / PTC	✓	290×256×52+8
	PSDC161214	12÷15VDC	14,0A	16×0,87A	1,0A – glass fuse / PTC	✓	290×256×52+8
	PSDC161220	12÷15VDC	20,0A	16×1,2A	1,5A – glass fuse / 1,1A – PTC	✓	290×256×52+8

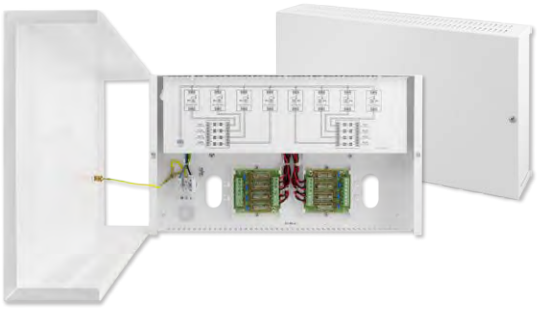
Sample product: PSDC08128



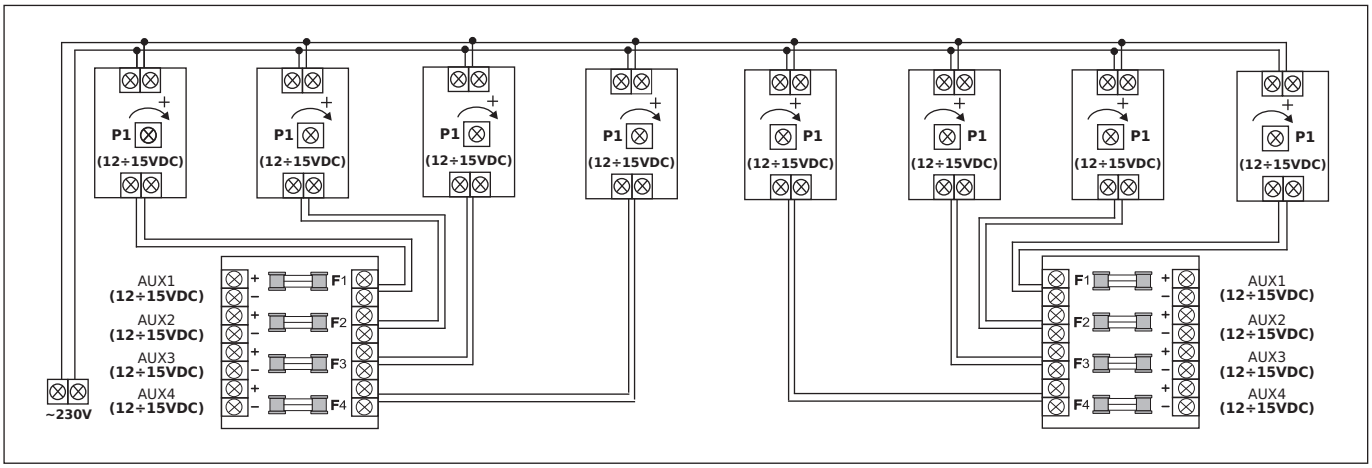


Multi-output power supply units – 12÷15VDC each output channel independently adjustable with galvanic separation of each channel PSDCSEP series

- power supply: 85÷264VAC
- power supply outputs: 4×12VDC – 1A
  8×12VDC – 1A
- voltage adjustment range: 12÷15VDC – with independent regulation and galvanic separation of each channel
- number of outputs × fuse: 4×1A / 8×1A
- fuse type: glass fuse
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
- notes:
  - surface mounted enclosure, locking – bolted
- warranty: 2 years from production date

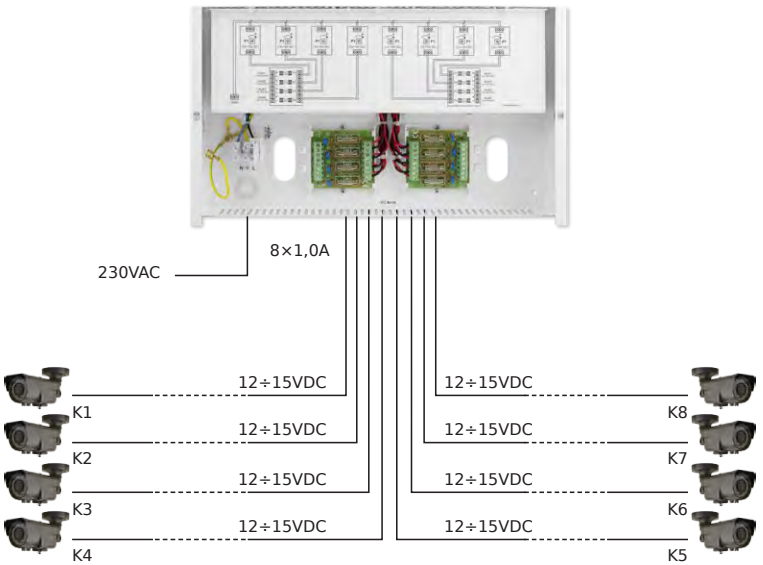


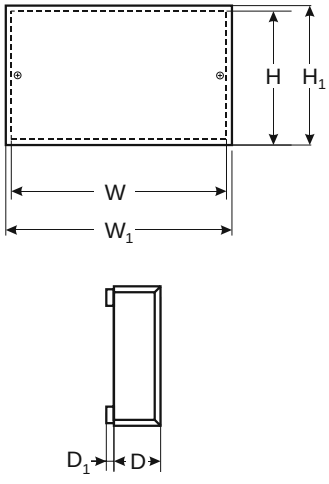
Sample product:
PSDCSEP08128



	Code	Adjustable output voltage	Output current	Number of outputs	Fuse type	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
12VDC	**PSDCSEP04124**	4×12÷15VDC	4×1,0A	4×1,0A	1,0A – glass fuse	205×215×72+8 210×220
	PSDCSEP08128	8×12÷15VDC	8×1,0A	8×1,0A	1,0A – glass fuse	365×215×72+8 370×220

Sample product: PSDCSEP08128

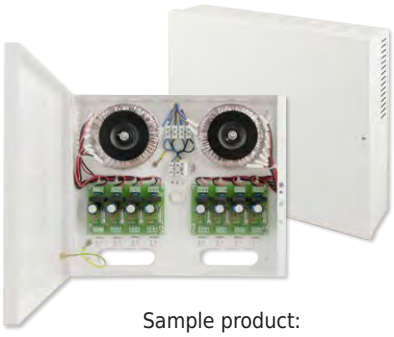




Multi-output power supply units – 34VDC with galvanic separation of each channel PSCU series

- power supply: 230VAC / 50Hz
- power supply output: 4×34VDC – 1A with galvanic separation of each channel
  8×34VDC – 1A with galvanic separation of each channel
- number of outputs × fuse: 4×1,0A / 8×1,0A *
- fuse type: glass fuse
- protections:
  - SCP short circuit protection, OLP overload protection
  - transformer overheat protection OHP, surge protection
- notes:
  - surface mounted enclosure, locking – bolted
  - related products: DCDC...H voltage converters
- warranty: 5 years from production date

* depending on model



Sample product:
PSCU08348SEP

It is necessary to connect separate DCDC converter before camera

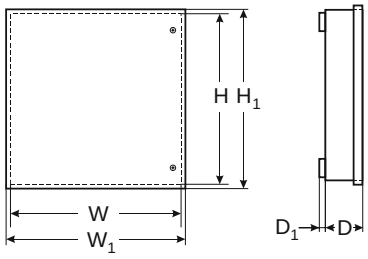
DCDC15H - 1,5A

U_{IN} 18÷40VDC U_{OUT} 12VDC

DCDC10H - 1A

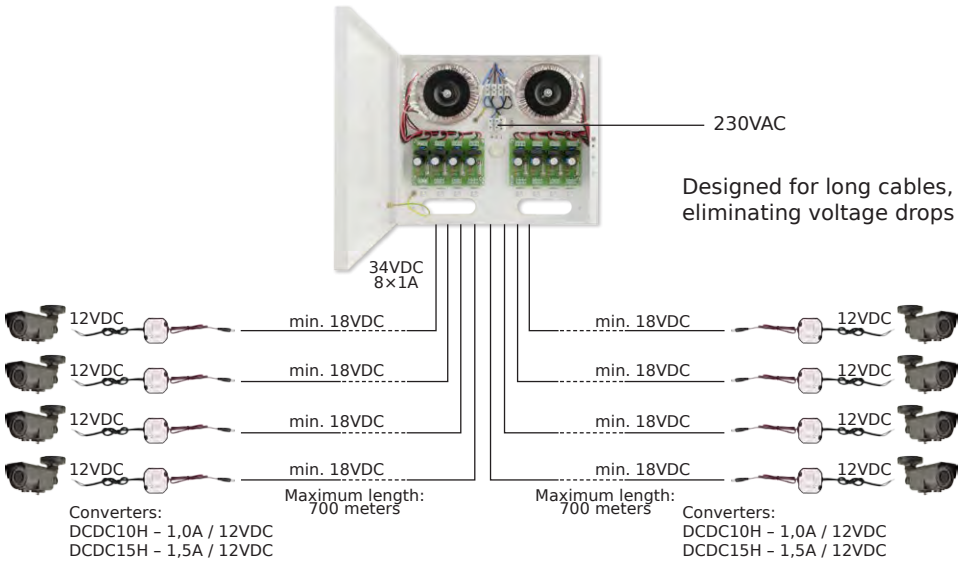
U_{IN} 18÷40VDC U_{OUT} 12VDC

	Code	Output current	Number of outputs	Fuse type	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
34VDC	**PSCU04344SEP**	4×1,0A	4×1,0A	1,0A – glass fuse	270×150×72+8 275×154
	PSCU08348SEP	8×1,0A	8×1,0A	1,0A – glass fuse	290×250×72+8 295×255



Solution for long sections (above 100m) of camera power cables

Sample product: PSCU08348SEP



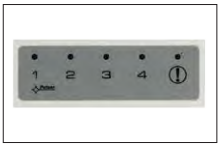
CAUTION:

It is necessary to connect separate DCDC converter before camera, e.g. DCDC10H / DCDC15H

Multi-output power supply units – ~24VAC with fault outputs PSAC series

- power supply: 230VAC / 50Hz
- available models: ~24VAC / 4×1,0A or ~27VAC / 4×0,9A
  ~24VAC / 8×0,75A or ~27VAC / 8×0,69A
- voltage adjustment range: ~24VAC or ~27VAC
- number of outputs × fuse: 4×1,0A / 8×1,0A
- jumper selectable fuse type: glass fuse / PTC
- technical outputs OC type:
  - FPS – indication of fuse failure in camera circuit
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OHP overheat protection
  - surge protection
  - antisabotage protection
- notes:
  - surface mounted enclosure, locking – bolted
- warranty: 5 years from production date

Sample product:
PSAC08246



LED optical indication

Tamper indicating enclosure opening – 1 piece

Jumper selectable fuse type: glass fuse / PTC

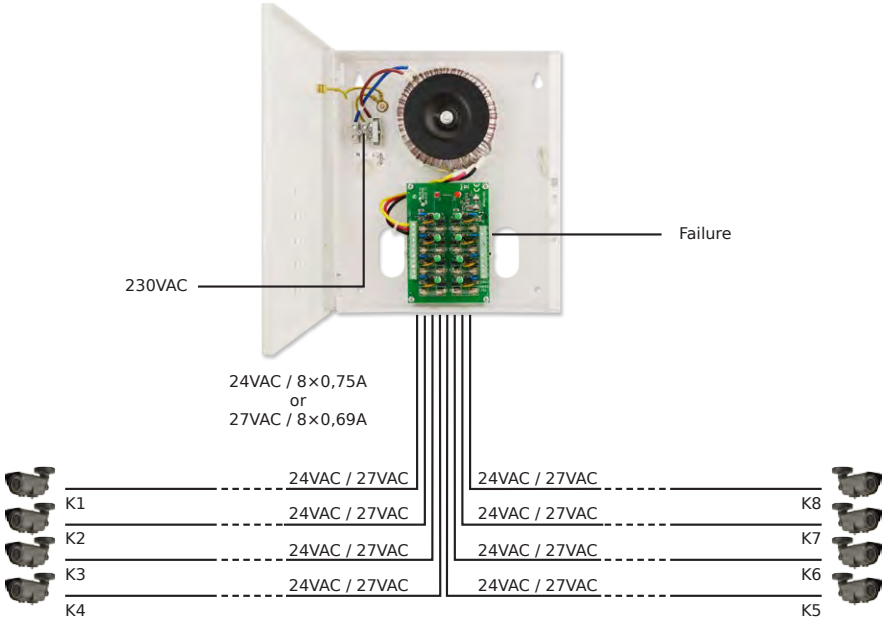
Technical outputs
– OC type
FPS – fuse failure

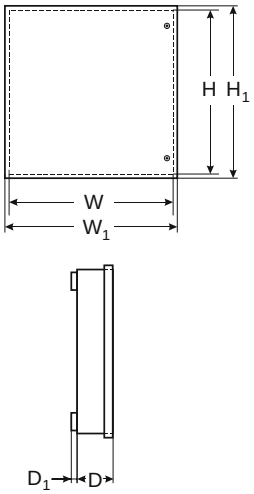
Removable hinges

Distance from wall (plastic) – 8mm

	Code	Output current	Number of outputs	Fuse type (jumper selectable fuse type)	Technical outputs	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
24VAC or 27VAC	**PSAC04244**	4,0A or 3,7A	4×1,0A or 4×0,9A	1,0A – glass fuse / PTC	✓	210×182×57+8 214×187
	PSAC08246	6,0A or 5,5A	8×0,75A or 8×0,69A	1,0A – glass fuse / PTC	✓	210×242×62+8 214×246

Sample product: PSAC08246





Multi-output power supply units – ~24VAC in hermetic enclosure IP65 PSACH series

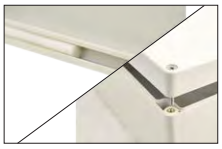
- power supply: 230VAC / 50Hz
- available models: ~24VAC / 4×1,0A or ~27VAC / 4×0,9A
  ~24VAC / 1×4,0A or ~27VAC / 1×3,7A
  ~24VAC / 1×6,0A or ~27VAC / 1×5,5A
- number of outputs × fuse: 4×1,0A / 1×4,0A / 1×6,0A
- fuse type:
  - jumper selectable fuse type: glass fuse / PTC *
  - glass fuse *
- technical outputs OC type:
  - FPS – fuse failure output *
- protections:
  - SCP short circuit protection, OLP overload protection
  - OHP overheat protection, antisabotage protection
- notes:
  - hermetic enclosure IP65, ABS
  - surface mounted enclosure, locking – bolted
- warranty: 2 years from production date

Sample product:
PSACH04244

* depending on model

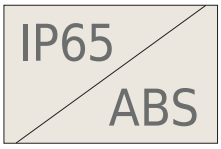
Applies to: PSACH04244

Tamper indicating enclosure opening – 1 piece



Gasket
Closing – front mounting – 4 piecess

Mounting plate



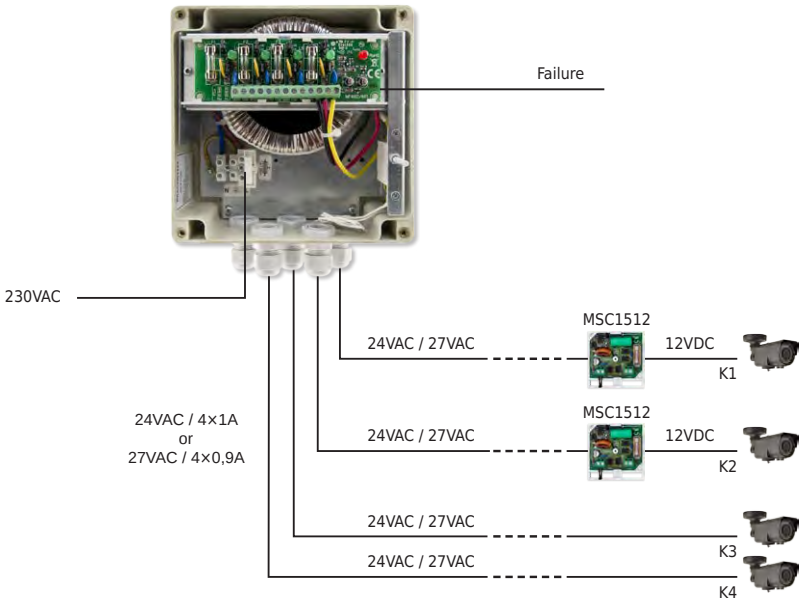
Hermetic enclosure IP65
Material: ABS

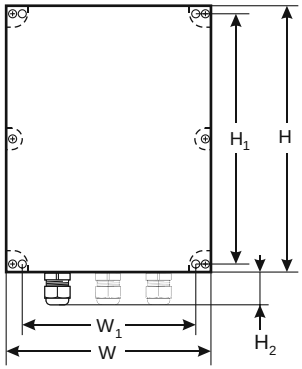
Technical output – OC type
FPS – fuse failure

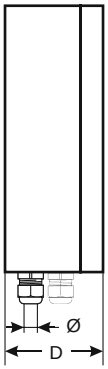
Jumper selectable fuse type: glass fuse / PTC

	Code	Output current	Number of outputs	Fuse type	Technical outputs	Dimensions W×H×D [+/- 2mm] H_2 [+/- 2mm]	Mounting dimensions W_1×H_1 [+/- 2mm]	Number of cable glands / Ø cables
24VAC or 27VAC	**PSACH01244**	4,0A or 3,7A	1×4,0A or 1×3,7A	4,0A – glass fuse	—	160×160×90 25	126×145	2 pieces / 4÷8mm
	PSACH01246	6,0A or 5,5A	1×6,0A or 1×5,5A	6,0A – glass fuse	—	160×160×90 25	126×145	2 pieces / 4÷8mm
	PSACH04244	4,0A or 3,7A	4×1,0A or 4×0,9A	1,0A – glass fuse / PTC (jumper selectable fuse type)	✓	160×160×90 25	126×145	5 pieces / 4÷8mm

Sample product: PSACH04244





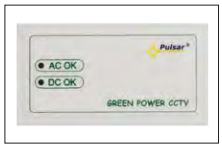


Multi-output buffer power supply units – 13,8VDC
PSDCB series

- power supply: 176÷264VAC
- available models: 13,8VDC / 5×1,0A
  13,8VDC / 9×1,0A
  13,8VDC / 16×1,1A
- battery charging current: 1A / 2A / 4A / 8A *
- number of outputs × fuse: 5×1,0A / 9×1,0A / 16×1,0A
- fuse type: glass fuse
- fitting battery: 17Ah / 65Ah *
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
  - OHP overheat protection, antisabotage protection
- notes:
  - surface mounted enclosure, locking – bolted (lock assembly possible)
- warranty: 2 years from production date

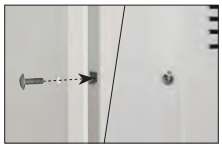
Sample product:
PSDCB09129C

* depending on model



LED optical indication

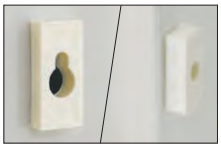
Tamper indicating enclosure opening – 1 piece



Closing – front mounting – 2 piecess

Fuse-protected output: glass fuse

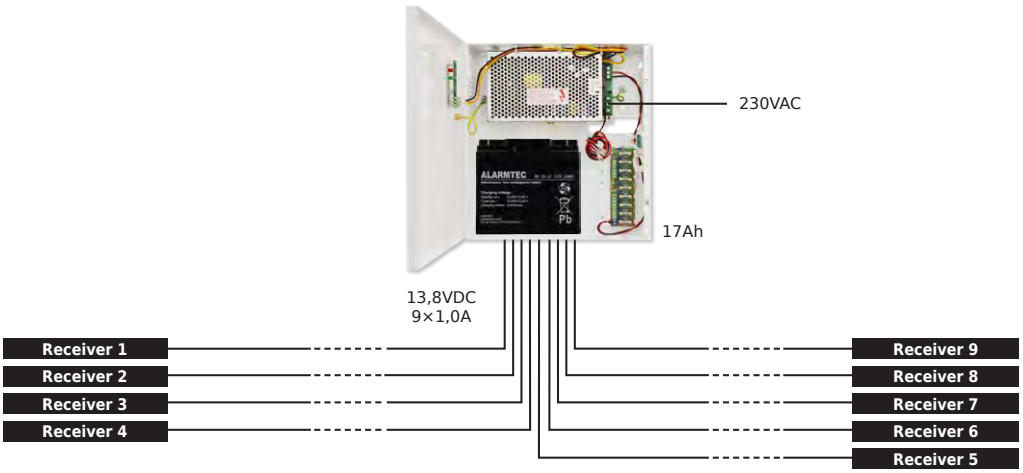
Removable hinges

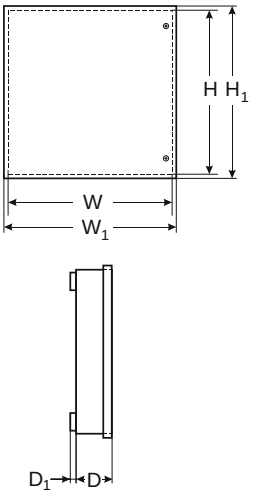


Distance from wall (plastic) – 8mm

	Code	Total current	Number of outputs	Battery charging current	Fitting battery	Fuse type	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
13,8VDC	**PSDCB05125C**	7,0A	5×1,0A	1,0A / 2,0A	17Ah	1,0A – glass fuse	280×292×82+8 285×296
	PSDCB09129C	11,0A	9×1,0A	1,0A / 4,0A	17Ah	1,0A – glass fuse	280×292×82+8 285×296
	PSDCB161220E	20,0A	16×1,1A	2,0A / 4,0A / 8,0A	65Ah	1,0A – glass fuse	400×350×173+8 405×355

Sample product: PSDCB09129C





Receiver e.g.

Camera

Detector

Indicator

Electromagnetic lock

Electric strike

Intercom

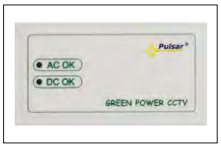
Video intercom

Buffer power supply units 13,8VDC / 12VDC for HD cameras and DVR PSUPS series

- power supply: 176÷264VAC
- available models: 13,8VDC / 8×0,6A + 12VDC / 1×5,0A
  13,8VDC / 16×0,8A + 12VDC / 1×5,0A
- battery charging current: 1A / 2A / 4A / 8A *
- number of outputs × fuse:
  - cameras: 8×1,0A / 16×1,0A *
  - recorder: 1×5A
- fuse type: glass fuse
- fitting battery: 17Ah / 65Ah *
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
  - OHP overheat protection, antisabotage protection
- notes:
  - surface mounted enclosure, locking – bolted
  - built-in power factor correction system (PFC)
  - forced cooling – built-in fan *
- warranty: 2 years from production date

Sample product:
PSUPS20A12E

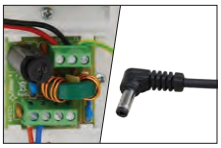
* depending on model



LED optical indication

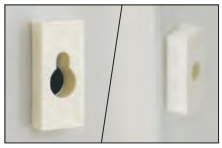
Tamper indicating enclosure opening – 1 piece

Outputs of cameras fuses – glass fuses 8×1,0A / 16×1,0A



Recorder power supply output protected by glass fuses 1×5,0A / 12VDC

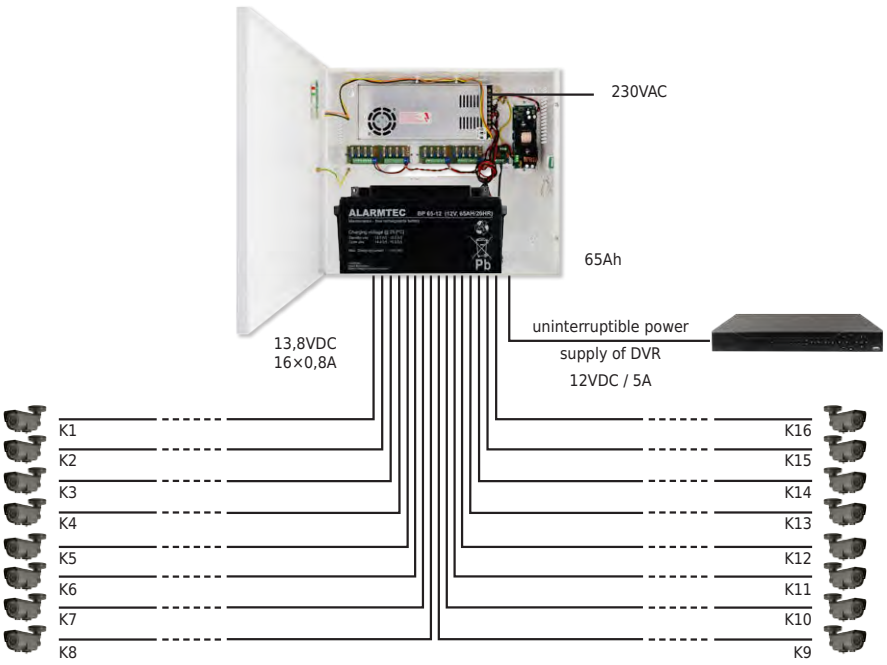
Fitting battery

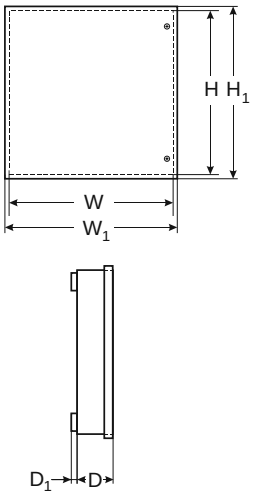


Distance from wall (plastic) – 8mm / 14mm

Code	Circuit	Output voltage	Total current	Number of outputs	Battery charging current	Fuse type	Space for battery	Dimensions W×H×D+D_1 [+/- 2mm] W_1×H_1 [+/- 2mm]
PSUPS10A12C	cameras	13,8VDC	11A	8×0,6A	1A	1,0A – glass fuse	17Ah	400×350×92+8 405×355
	recorder	12VDC		1×5,0A		5,0A – glass fuse		
PSUPS20A12E	cameras	13,8VDC	20A	16×0,8A	2A / 4A / 8A	1,0A – glass fuse	65Ah	420×375×183+14 425×378
	recorder	12VDC		1×5,0A		5,0A – glass fuse		

Sample product: PSUPS20A12E



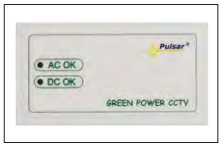


Buffer power supply unts 13,8VDC / 12VDC for HD cameras and DVR with recorder space
PSUPS...CR series

- power supply: 176÷264VAC
- power supply output: 13,8VDC / 8×0,75A / 16×0,8A for CCTV cameras *
  12VDC / 1×4,0A / 1×5,0A to supply DVR *
- battery charging current: 1A / 2A / 4A / 8A *
- number of outputs × fuse:
  - cameras: 8×1,0A / 16×1,0A *
  - recorder: 1×5A
- fuse type: glass fuse
- fitting battery: 17Ah / 2×17Ah * - parallel connection
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
  - OHP overheat protection *, antisabotage protection
- notes:
  - enclosure is fitted with a recorder space
  - surface mounted enclosure, locking – bolted
  - built-in power factor correction system (PFC) *
  - forced cooling – built-in fan *
- warranty: 2 years from production date

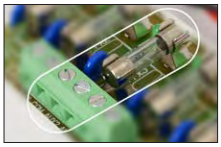
Sample product:
PSUPS20A12CR

* depending on model

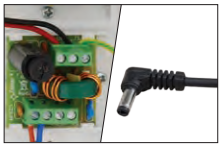


LED optical indication

Tamper indicating enclosure opening – 1 piece



Outputs of cameras fuses – glass fuses 8×1,0A / 16×1,0A



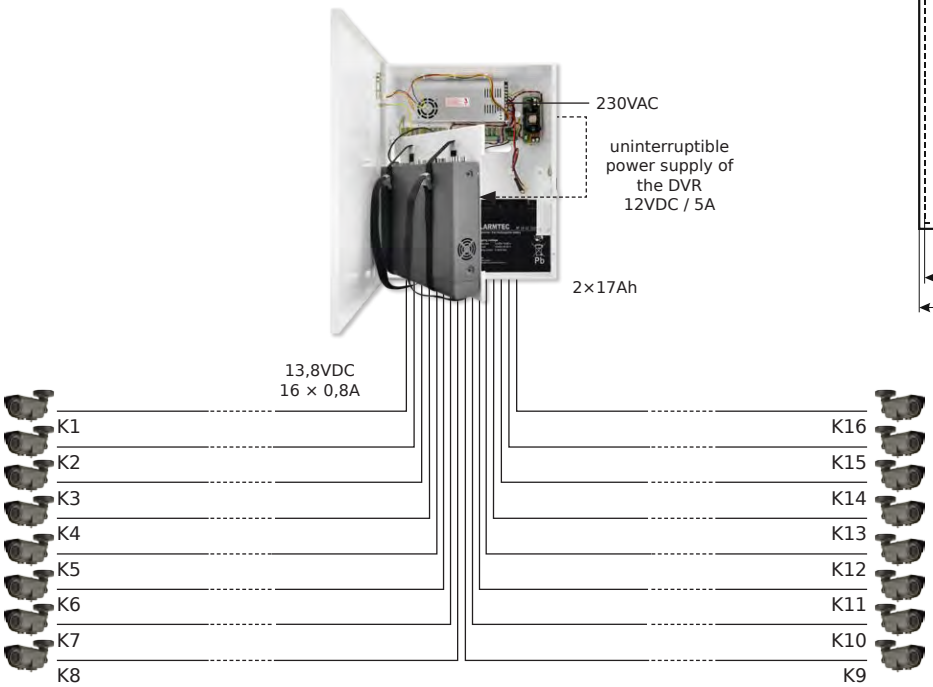
Recorder power supply output protected by glass fuses

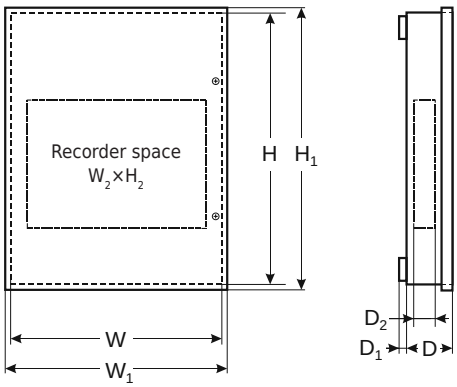
Fitting battery

Hinged mounting plate with straps for mounting DVR

Code	Circuit	Output voltage	Total current	Number of outputs	Battery charging current	Fuse type	Fitting battery	Dimensions of recorder space $W_2 \times H_2 \times D_2$ [+/- 2mm]	Dimensions $W \times H \times D+D_1$ [+/- 2mm] $W_1 \times H_1$ [+/- 2mm]
PSUPS10A12CR	cameras	13,8VDC	11A	8×0,75A	1A	1,0A – glass fuse	17Ah	380×320×65	420×535×193+14 425×540
	recorder	12VDC		1×4,0A		5,0A – glass fuse			
PSUPS20A12CR	cameras	13,8VDC	20A	16×0,8A	2A / 4A / 8A	1,0A – glass fuse	2×17Ah (parallel connection)	380×320×65	420×535×193+14 425×540
	recorder	12VDC		1×5,0A		5,0A – glass fuse			

Sample product: PSUPS20A12CR





Buffer power supply units 13,8VDC / 12VDC for HD cameras and DVR with recorder space + transmitters
PSUPS...CRT series

- power supply: 176÷264VAC
- power supply output: 13,8VDC / 8×0,75A / 16×0,8A for CCTV cameras* - RJ45 (transmitters)
  12VDC / 1×4,0A / 1×5,0A to supply DVR *
- battery charging current: 1A / 2A *
- number of outputs × fuse:
  - cameras: 2×5,0A / 4×5,0A *
  - recorder: 1×5A
- fuse type: glass fuse
- 4 pieces / 12 pieces of transmitters P-TRPV120 for conecting cameras are included
- fitting battery: 17Ah / 2×17Ah * - parallel connection
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection, OVP overvoltage protection,
  - surge protection, OHP overheat protection *, antisabotage protection
- notes:
  - enclosure is fitted with recorder space
  - surface mounted enclosure, locking – bolted
  - built-in power factor correction system (PFC) *
  - forced cooling – built-in fan *
- warranty: 2 years from production date

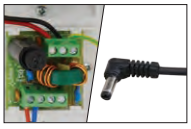
Sample product:
PSUPS10A12CRT

* depending on model

LED optical indication

Tamper indicating enclosure opening – 1 piece

Outputs of cameras fuses – glass fuses 2×5,0A / 4×5,0A *


Recorder power supply output protected by glass fuses

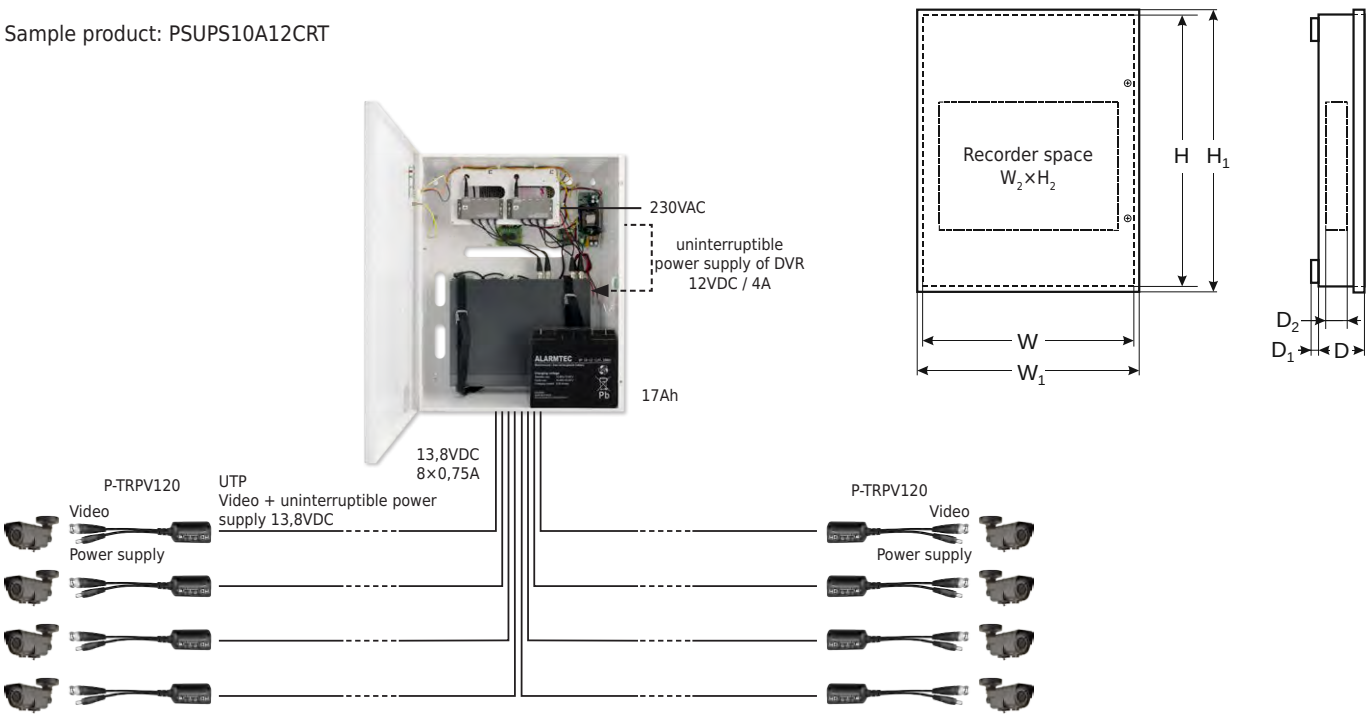
Fitting battery

Straps for mounting the recorder

4 pieces / 12 pieces of transmitters P-TRPV120 for conecting cameras are included

Code	Circuit	Output voltage	Total current	Number of outputs	Battery charging current	Fuse type	Fitting battery	Dimensions of recorder space $W_2 \times H_2 \times D_2$ [+/- 2mm]	Dimensions $W \times H \times D + D_1$ [+/- 2mm] $W_1 \times H_1$ [+/- 2mm]
PSUPS10A12CRT	cameras	13,8VDC	11A	8×0,75A	1A	5,0A – glass fuse	17Ah	380×320×65	420×535×193+14 425×540
	recorder	12VDC		1×4,0A		5,0A – glass fuse			
PSUPS20A12CRT	cameras	13,8VDC	20A	16×0,8A	2A	5,0A – glass fuse	2×17Ah (parallel connection)	380×320×65	420×535×193+14 425×540
	recorder	12VDC		1×5,0A		5,0A – glass fuse			

Sample product: PSUPS10A12CRT



Multi-output power supply units – 12VDC / 24VDC
R series

RACK 19″

- power supply: 176÷264VAC
- available models: 12VDC / 8×1A
  12VDC / 16×0,87A
  24VDC / 16×0,5A
- voltage adjustment range: 12÷15VDC, 20÷26VDC *
- number of outputs × fuse: 8×1,5A / 16×0,5A / 16×0,9A / 16×1,5A *
- fuse type: glass fuse / PTC *
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
- technical output of relay type:
  - ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  - standard RACK 19″ – 2U enclosure
- warranty: 2 years from production date

Sample product:
R1612T

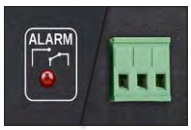
* depending on model

Optical indication

Detachable power socket

Glass fuse / PTC – depending on model

Adjustable output voltage



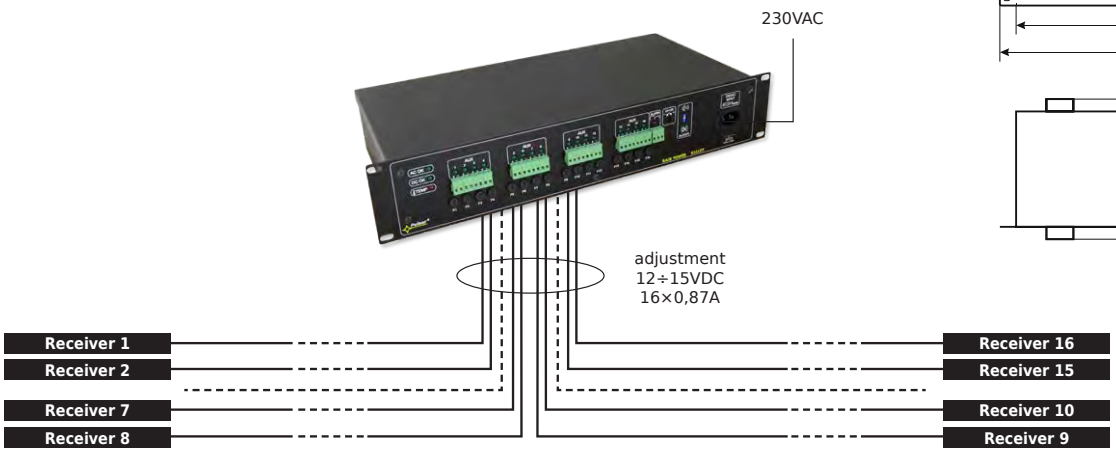
Technical output ALARM relay C/NO/NC

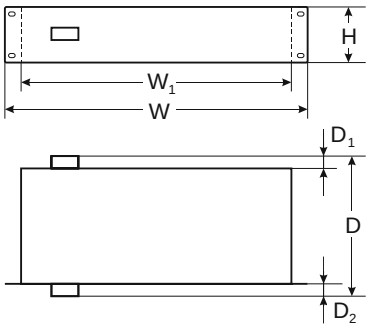
Failure indication – BUZZER

Fan

	Code	Adjustable output voltage	Total current	Number of outputs	Fuse type	Technical output of alarm	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D [+/- 2mm] D_1 / D_2 [+/- 2mm]
12VDC	**R812T**	12÷15VDC	8A	8×1,0A	1,5A – glass fuses	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
	R812P	12÷15VDC	8A	8×1,0A	1,5A – PTC	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
	R1612T	12÷15VDC	14A	16×0,87A	1,5A – glass fuses	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
	R1612P	12÷15VDC	14A	16×0,87A	1,5A – PTC	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
24VDC	**R1624T**	20÷26VDC	8A	16×0,5A	0,5A – glass fuses	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
	R1624P	20÷26VDC	8A	16×0,5A	0,9A – PTC	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32

Sample product: R1612T





Receiver e.g.

Camera

Detector

Indicator

Electromagnetic lock

Electric strike

Intercom

Video intercom

Multi-output power supply units – ~24VAC
RAC series

RACK 19″

- power supply: 195÷253VAC
- available models: 24VAC / 8×1A
- number of outputs × fuse: 8×1,0A
- fuse type: glass fuse / PTC *
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - surge protection
  - OHP overheat protection – transformer
- technical output of relay type:
  - ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  - standard RACK 19″ – 2U enclosure
- warranty: 2 years from production date

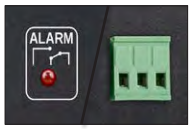
* depending on model

Sample product:
RAC24P

Optical indication

Detachable power socket

Glass fuse / PTC – depending on model



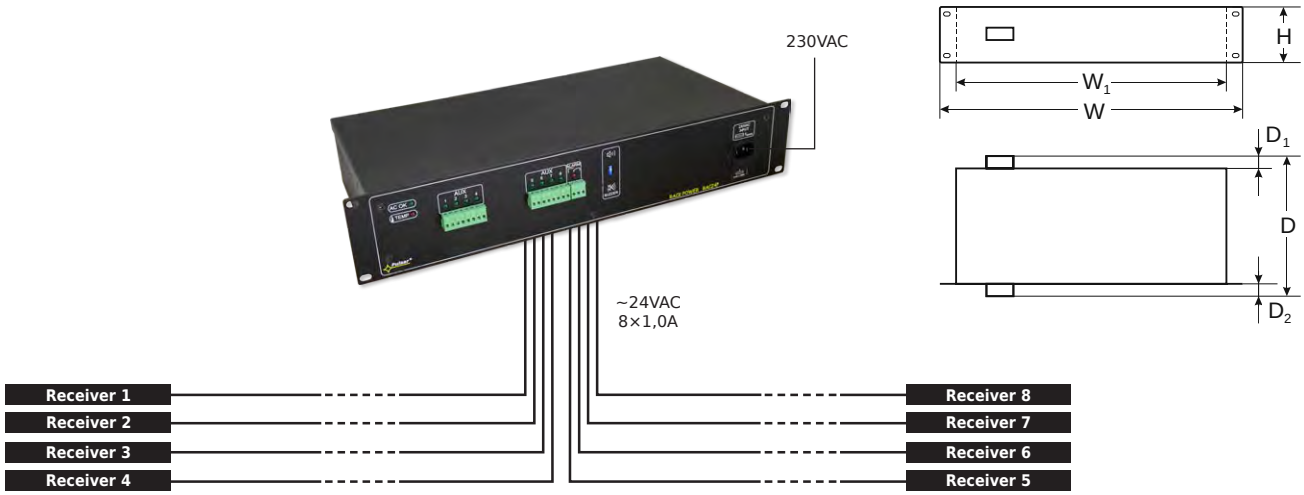
Technical output ALARM relay C/NO/NC

Failure indication – BUZZER

Fan

	Code	Total current	Number of outputs	Fuse type	Technical output of alarm	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D [+/- 2mm] D_1 / D_2 [+/- 2mm]
~24VAC	**RAC24T**	8A	8×1,0A	1,0A – glass fuse	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
	RAC24P	8A	8×1,0A	1,0A – PTC	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32

Sample product: RAC24P



Receiver e.g.

Camera

Electromagnetic lock

Electric strike

Intercom

PoE power supply units – 48VDC – RJ45
RP series

RACK 19″

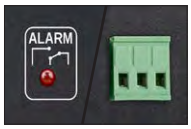
- power supply: 176÷264VAC
- available models: 48VDC / 8×0,3A
  48VDC / 16×0,3A
- number of outputs × fuse: RJ45 8×0,5A / RJ45 16×0,5A *
- fuse type: PTC
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
- technical output of relay type:
  - ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  - standard RACK 19″ – 2U enclosure
  - designed for 10Mb/s and 100Mb/s network
  - not compliant with IEEE 802.3af standard
- warranty: 2 years from production date

Sample product:
RP848

* depending on model

Optical indication

RJ45 connectors
– input / output



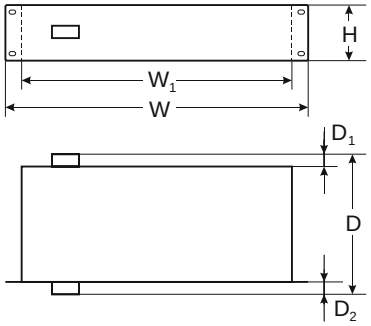
Technical output
ALARM
relay C/NO/NC

Failure indication
– BUZZER

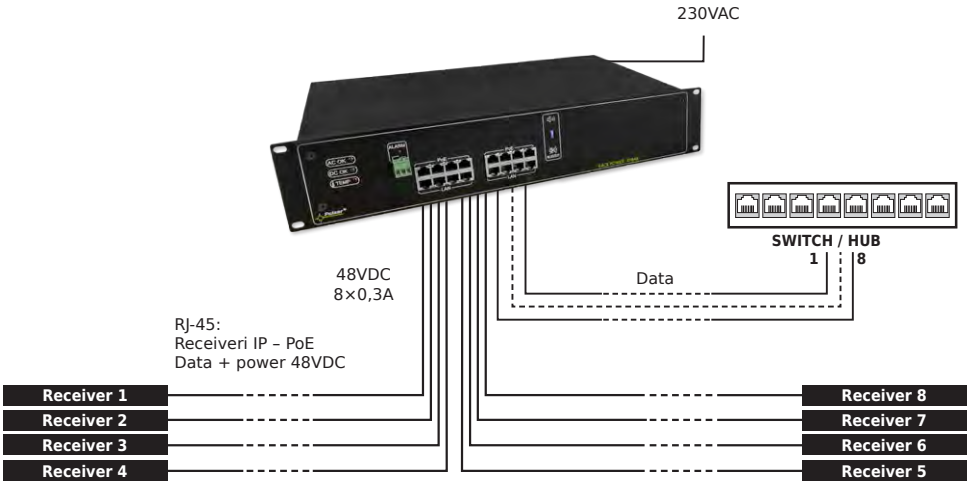
Power supply: 230VAC

Fan

	Code	Total current	Number of outputs: RJ45	Fuse type	Technical output of alarm	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D [+/- 2mm] D_1 / D_2 [+/- 2mm]
48VDC	**RP848**	2,5A	8×0,3A	0,5A – PTC	✓	19″×2U×267	482 / 442 / 88 / 267 32 / 10
	RP1648	5A	16×0,3A	0,5A – PTC	✓	19″×2U×267	482 / 442 / 88 / 267 32 / 10



Sample product: RP848



Receiver e.g.

IP camera

IP telephone

IP Intercom

IP Video intercom

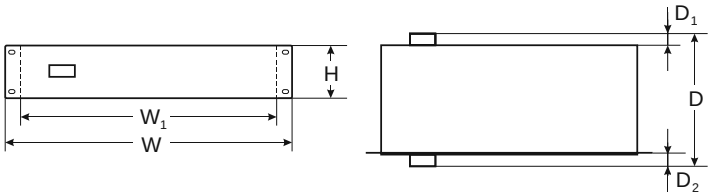
Buffer power supply units – single output – 13,8VDC / 27,6VDC / 54VDC
ROUPS series

RACK 19″

- power supply: 176÷264VAC
- available models: 13,8VDC / 1×18A
  27,6VDC / 1×9A
  54VDC / 1×4,5A
- number of outputs × fuse: 1×20A / 1×10A / 1×5A *
- fuse type: glass fuse
- battery charging current: 0,5A / 1A / 2A *
- battery: 1×17÷65Ah / 2×7÷28Ah / 4×7÷17Ah *
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
  - OHP overheat protection
- technical output of relay type:
  - ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  - standard RACK 19″ – 2U enclosure
- warranty: 2 years from production date

* depending on model

Sample product:
ROUPS12V



Optical indication

Glass fuse

Connectors for external battery connection

Detachable power socket

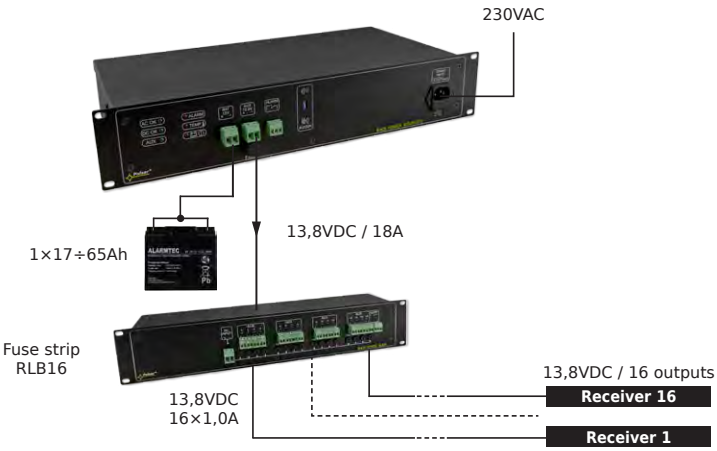
Technical output ALARM relay C/NO/NC

Failure indication – BUZZER

Fan

	Code	Total current	Number of outputs	Battery charging current (fitting battery)	Fuse type	Technical output of alarm	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D [+/- 2mm] D_1 / D_2 [+/- 2mm]
13,8VDC	**ROUPS12V**	20A	1×18A	2A 1×17÷65Ah	20A – glass fuse	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
27,6VDC	**ROUPS24V**	10A	1×9A	1A 2×7÷28Ah	10A – glass fuse	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
54VDC	**ROUPS48V**	5A	1×4,5A	0,5A 4×7÷17Ah	5A – glass fuse	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32

Sample product: ROUPS12V



Accessories:

Fuse strip: **RLB8** / **RLB16**

Battery controller: **RCB12V** / **24V** / **48V**

Battery enclosure: **RAKU2** / **3**

Receiver e.g.

Camera

Detector

Indicator

Electromagnetic lock

Electric strike

Intercom

Video intercom

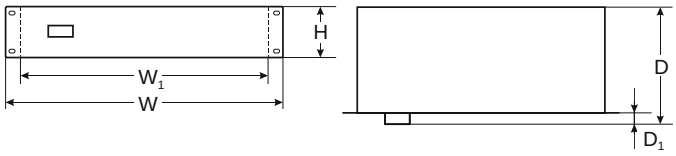
Distribution fuse modules – 8 / 16 outputs dedicated for power supply units of ROUPS... series
RLB series

RACK 19″

- power supply: U_{IN}=10÷56VDC
- available models: $U_{OUT}=U_{IN}$ / 8×2,0A (max.)
  $U_{OUT}=U_{IN}$ / 16×1,0A (max.)
- number of outputs × fuse: 8×2,0A / 16×1,0A *
- fuse type: glass fuse
- protections:
  - SCP short circuit protection
  - OLP overload protection
- technical output of relay type:
  - ALARM – technical output of collective failure
- notes:
  - standard RACK 19″ – 2U enclosure
- warranty: 2 years from production date

* depending on model

Sample product:
RLB8



Optical indication

Power input

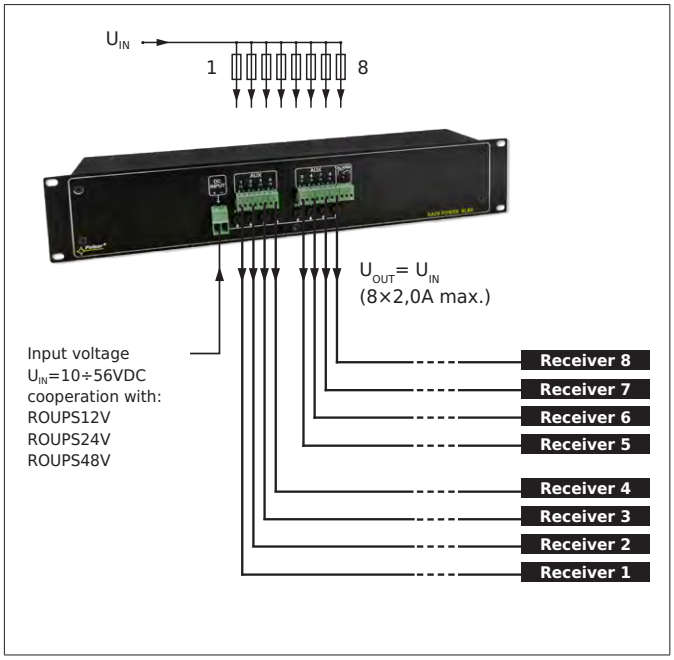
Detachable power socket

Glass fuse

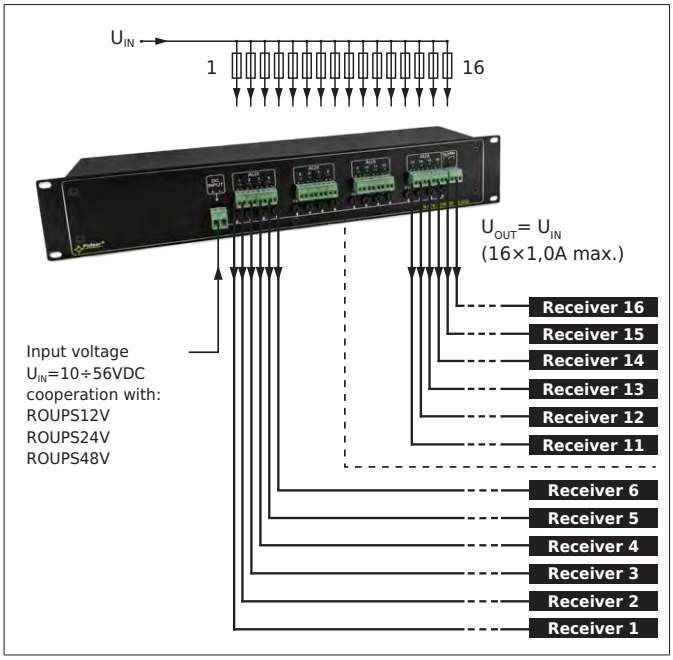
Technical output ALARM relay C/NO/NC

Code	Input voltage U_{IN}	Output voltage U_{OUT}	Number of outputs	Fuse type	Technical output of alarm	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D [+/- 2mm] D_1 [+/- 2mm]
RLB8	10÷56VDC	$U_{OUT} = U_{IN}$	8×2A (max.)	2A – glass fuse	✓	19″×2U×90	482 / 442 / 88 / 90 15
RLB16	10÷56VDC	$U_{OUT} = U_{IN}$	16×1A (max.)	1A – glass fuse	✓	19″×2U×90	482 / 442 / 88 / 90 15

RLB8



RLB16



Receiver e.g.

Camera

Detector

Indicator

Electromagnetic lock

Electric strike

Intercom

Video intercom

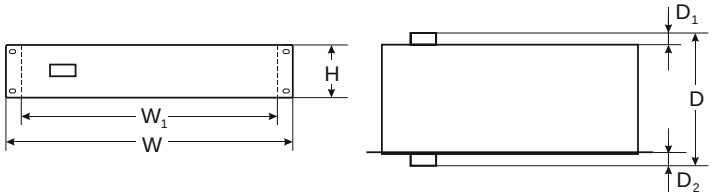
Multi-output buffer power supply units – 13,8VDC / 27,6VDC / 54VDC RUPS series

RACK 19″

- power supply: 176÷264VAC
- available models: 13,8VDC / 8×1,0A
  27,6VDC / 8×1,0A
  54VDC / 8×0,5A
- number of outputs × fuse: 8×0,5A / 8×1,0A *
- fuse type: glass fuse / PTC *
- battery charging current: 0,5A / 1A *
- deep discharge battery protection – UVP
- battery: 1×7÷28Ah / 2×7÷28Ah / 4×7÷17Ah *
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
- technical output of relay type:
  - ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  - standard RACK 19″ – 2U enclosure
- warranty: 2 years from production date

* depending on model

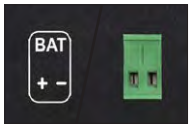
Sample product:
RUPS812P



Optical indication

Detachable power socket

Glass fuse / PTC – depending on model



Connectors for external battery connection

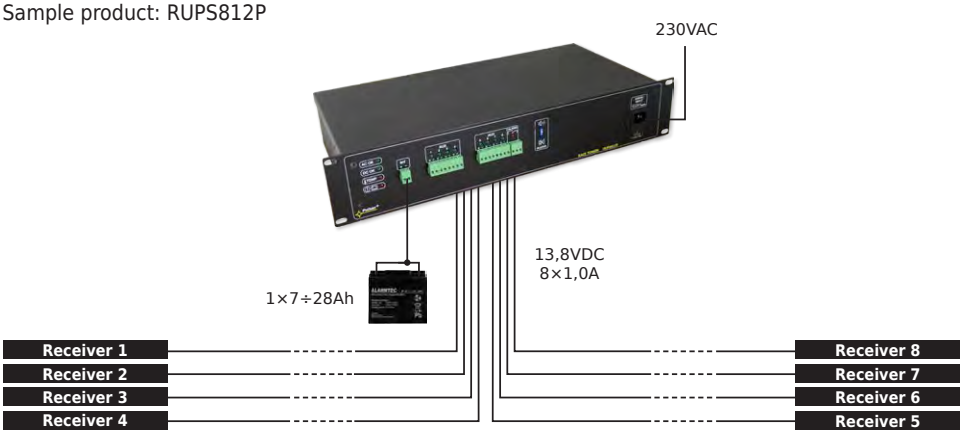
Technical output ALARM relay C/NO/NC

Failure indication – BUZZER

Fan

	Code	Total current	Number of outputs	Battery charging current (fitting battery)	Fuse type	Technical output of alarm	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D [+/- 2mm] D_1 / D_2 [+/- 2mm]
13,8VDC	**RUPS812T**	9A	8×1,0A	1A 1×7÷28Ah	1,0A – glass fuse	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
	RUPS812P	9A	8×1,0A	1A 1×7÷28Ah	1,0A – PTC	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
27,6VDC	**RUPS824T**	9A	8×1,0A	1A 2×7÷28Ah	1,0A – glass fuse	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
	RUPS824P	9A	8×1,0A	1A 2×7÷28Ah	1,0A – PTC	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
54VDC	**RUPS848T**	4,5A	8×0,5A	0,5A 4×7÷17Ah	0,5A – glass fuse	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32
	RUPS848P	4,5A	8×0,5A	0,5A 4×7÷17Ah	0,5A – PTC	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32

Sample product: RUPS812P



Accessories:

Battery controller:
RCB12V / 24V / 48V

Battery enclosure: **RAKU2 / 3**

Receiver e.g.

Camera

Detector

Indicator

Electromagnetic lock

Electric strike

Intercom

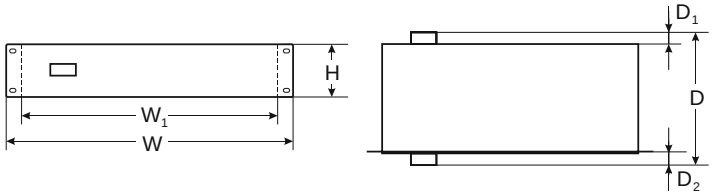
Video intercom

Buffer power supply unit – single output – 12VDC / 5A (for recorder) ROUPS...VR series

RACK 19″

- power supply: 176÷264VAC
- available models: 12VDC / 1×5A – power supply for recorder
- number of outputs × fuse: 1×5A
- fuse type: glass fuse
- battery charging current: 1A
- battery: 1×7÷28Ah
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
- technical output of relay type:
  - ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  - standard RACK 19″ – 2U enclosure
- warranty: 2 years from production date

ROUPS12VR



Optical indication

Glass fuse

Connectors for external battery connection

Power output of external recorder

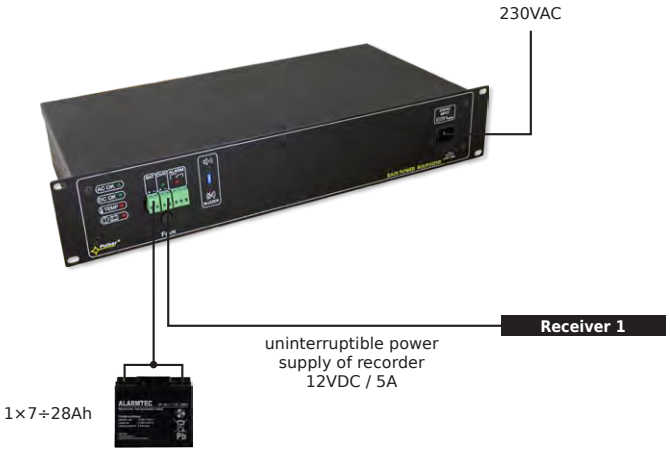
Technical output ALARM relay C/NO/NC

Failure indication – BUZZER

Power supply: 230VAC

	Code	Total current	Number of outputs	Battery charging current (fitting battery)	Fuse type	Technical output of alarm	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D [+/- 2mm] D_1 / D_2 [+/- 2mm]
12VDC	**ROUPS12VR**	6A	1×5A	1A 1×7÷28Ah	5A – glass fuse	✓	19″×2U×262	482 / 442 / 88 / 262 5 / 32

ROUPS12VR



Accessories:

Battery controller: **RCB12V**

Battery enclosure: **RAKU2 / 3**

Receiver e.g.

Recorder DVR 12VDC

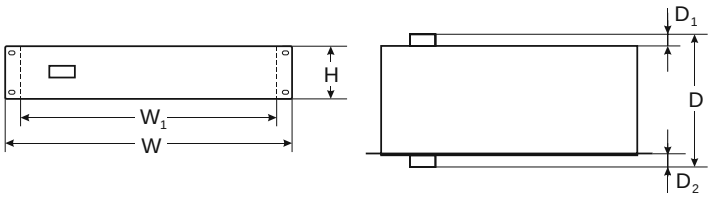
Multi-output buffer power supply units – 13,8VDC + 12VDC / 4A (for up to 16 HD cameras and DVR)
RUPS...R series

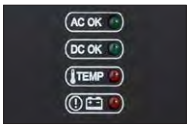
RACK 19″

- power supply: 176÷264VAC
- power supply output: 13,8VDC / 16×0,75A for CCTV cameras
  12VDC / 1×4,0A to supply DVR
- number of outputs × fuse: 16×1A + 1×4A
- fuse type: glass fuse / PTC *
- battery charging current: 2A
- battery: 1×17÷65Ah
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
- technical output of relay type:
  - ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  - standard RACK 19″ – 2U enclosure
- warranty: 2 years from production date

* depending on model

Sample product:
RUPS1612RP



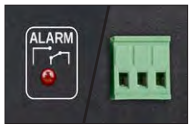


Optical indication

Detachable power socket

Glass fuse / PTC

Connectors for external battery connection



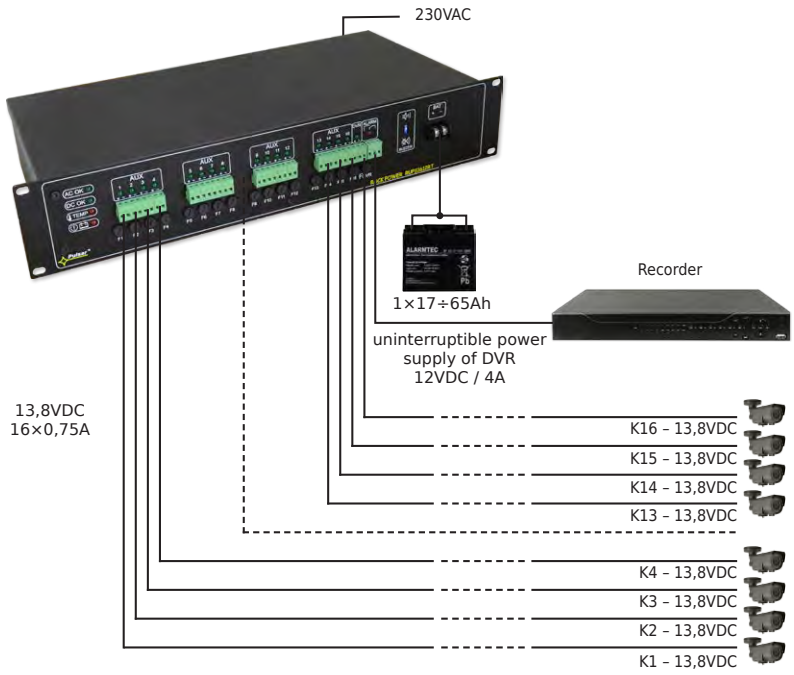
Technical output ALARM relay C/NO/NC

Failure indication – BUZZER

Power output of external recorder

Code	Circuit	Output voltage	Total current	Number of outputs	Battery charging current (fitting battery)	Fuse type	Technical output of alarm	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D [+/- 2mm] D_1 / D_2 [+/- 2mm]
RUPS1612RT	cameras	13,8VDC	18A	16×0,75A	2A 1×17÷65Ah	1,0A – glass fuse	✓	19″×2U×267	482 / 442 / 88 / 267 32 / 10
	recorder	12VDC		1×4,0A		4,0A – glass fuse			
RUPS1612RP	cameras	13,8VDC	18A	16×0,75A	2A 1×17÷65Ah	1,0A – PTC	✓	19″×2U×267	482 / 442 / 88 / 267 32 / 10
	recorder	12VDC		1×4,0A		4,0A – glass fuse			

Sample product: RUPS1612RP



Accessories:

Battery controller: **RCB12V**

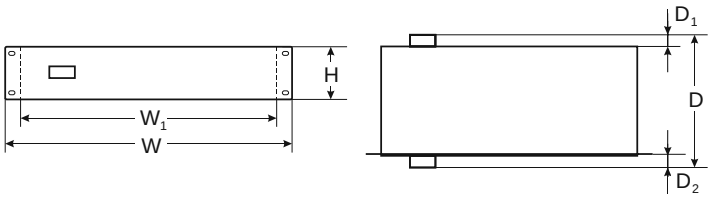
Battery enclosure: **RAKU2 / 3**

PoE buffer power supply unit – 54VDC (RJ45) + 12VDC / 4A (for up to 12 IP cameras and NVR) RPUPS...R series

RACK 19″

- power supply: 176÷264VAC
- power supply output: 54VDC / 12×0,3A for CCTV cameras IP - RJ45
  12VDC / 1×4,0A to supply NVR
- number of outputs × fuse: 12×0,5A + 1×5A
- fuse type: PTC
- battery charging current: 0,5A
- battery: 4×7÷17Ah
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
- technical output of relay type:
  - ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  - standard RACK 19″ – 2U enclosure
  - designed for 10Mb/s and 100Mb/s network
  - not compliant with IEEE 802.3af standard
- warranty: 2 years from production date

RPUPS1248R



Optical indication

RJ45 connectors – input / output

Connectors for external battery connection

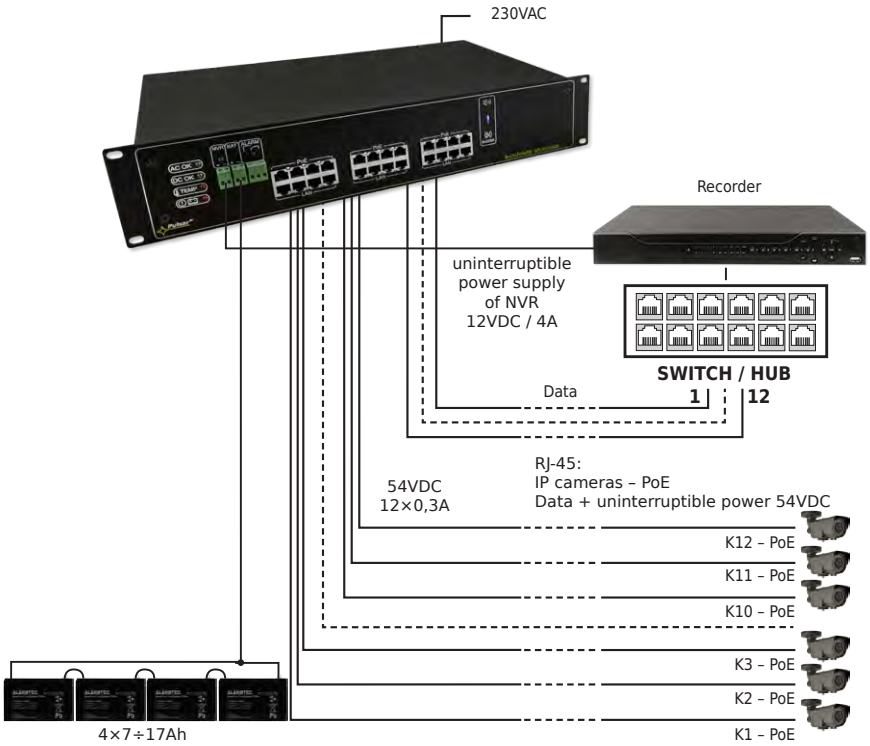
Power output of external recorder

Technical output ALARM relay C/NO/NC

Failure indication – BUZZER

Code	Circuit	Output voltage	Total current	Number of outputs	Battery charging current (fitting battery)	Fuse type	Technical output of alarm	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D [+/- 2mm] D_1 / D_2 [+/- 2mm]
RPUPS1248R	cameras	54VDC	5A (54VDC)	12×0,3A – RJ45	0,5A 4×7÷17Ah	0,5A – PTC	✓	19″×2U×267	482 / 442 / 88 / 267 32 / 10
	recorder	12VDC		1×4A		5A – PTC			

RPUPS1248R



Accessories:

Battery controller: **RCB48V**

Battery enclosure: **RAKU2 / 3**

Battery controllers: 12VDC / 24VDC / 48VDC
RCB, RC series

RACK 19″

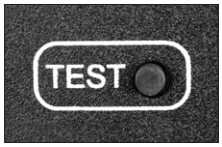
- cooperation with 13.8VDC / 27.6VDC / 54VDC uninterruptible power supply units
- fitting battery: 4×7Ah / 4×17Ah *
- microprocessor-based automation system
- an automatic battery test performed every 5 minutes
- test button at front panel
- measurement of resistance of battery circuit
- battery electrical continuity control
- battery detection
- low battery voltage indication – DC operation
- battery output protection against short-circuit and reverse connection
- technical output of failure – relay – NO/NC/COM
- acoustic indication of failure – BUZZER – possibility of switching on / off
- optical indication of failure – LEDs
- mounting dimensions: 19” × 2U
- battery cables included
- warranty: 2 years from production date

* depending on model

Sample product:
RCB12V

Sample product:
RC24V

Applies to RC... series



Test button at front panel

Acoustic indication of failure – BUZZER – possibility of switching on / off

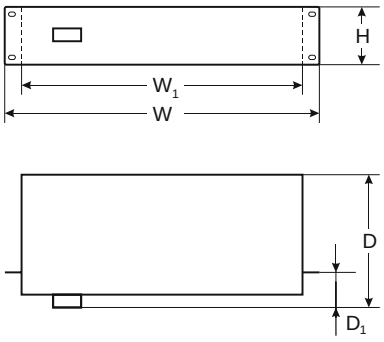
Technical output of failure – relay – NO/NC/COM

Terminals for connecting uninterruptible power supply unit (BAT output of power supply)

Connectors and wires for external battery connection

	Code	Current (max.)	Fuse type	Fitting battery	Possibility of connecting battery	Technical output of alarm	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D / D_1 [+/- 2mm]	Notes
13,8VDC	**RCB12V**	20A	1×glass fuse – 25A	4×17Ah	1÷4×7Ah / 17Ah	✓	19″×2U×425	483 / 435 / 88 / 425 / 15	—
27,6VDC	**RCB24V**	10A	1×glass fuse – 15A	4×17Ah	2/4×7Ah / 17Ah	✓	19″×2U×425	483 / 435 / 88 / 425 / 15	—
54VDC	**RCB48V**	5A	1×glass fuse – 7,5A	4×17Ah	4×7Ah / 17Ah	✓	19″×2U×425	483 / 435 / 88 / 425 / 15	—
13,8VDC	**RC12V**	20A	1×glass fuse – 25A	n/a	4×17Ah / 3×28Ah	✓	19″×2U×60	483 / 412 / 88 / 60 / 15	battery controllers 12VDC / 24VDC / 48VDC
27,6VDC	**RC24V**	10A	1×glass fuse – 15A	n/a	4×17Ah / 2×40Ah	✓	19″×2U×60	483 / 412 / 88 / 60 / 15	
54VDC	**RC48V**	5A	1×glass fuse – 7,5A	n/a	4×17Ah	✓	19″×2U×60	483 / 412 / 88 / 60 / 15	

Sample product: RCB12V



RUPS812T
RACK buffer power supplies

13,8VDC
8×1,0A

Receiver 1
Receiver 2
Receiver 3
Receiver 4
Receiver 5
Receiver 6
Receiver 7
Receiver 8

Receiver e.g.

Camera

Detector

Indicator

Electromagnetic lock

Electric strike

Intercom

Video intercom

DSOP24V Power System for PAVIRO system by BOSCH

In accordance with EN54-4, EN12101-10 standard

VAS cabinets

Devices VAS: BOSCH – PAVIRO

PVA-2P500 power amplifier

PVA-4R24 router

PVA-4CR12 controller

PVA-15CST microphone

Fans, thermostat, batteries, wheels

Power supplies for 350W-1000W Voice Alarm Systems

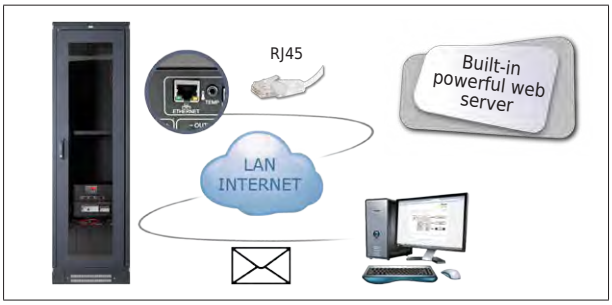
Protection terminal block,
230VAC voltage distribution terminal,
Indication panel

Firefighter's microphone power supply unit
Enclosure of firefighter's microphone,
Power adapter of firefighter's microphone

CONFI-DSO – Configuration software for VAS

CONFI® DSO

Ethernet communication



Buffer power supplies for DIN rail 13,8VDC / 27,6VDC
DINB series

- power supply: 90÷264VAC / 176÷264VAC
- impulse voltage stabilizer
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - surge protection
- warranty: 2 years from production date

Sample product:
DINB13830

Power input terminals

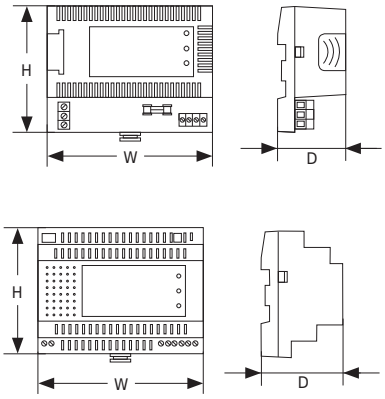
Power output terminals

Connectors for battery connection

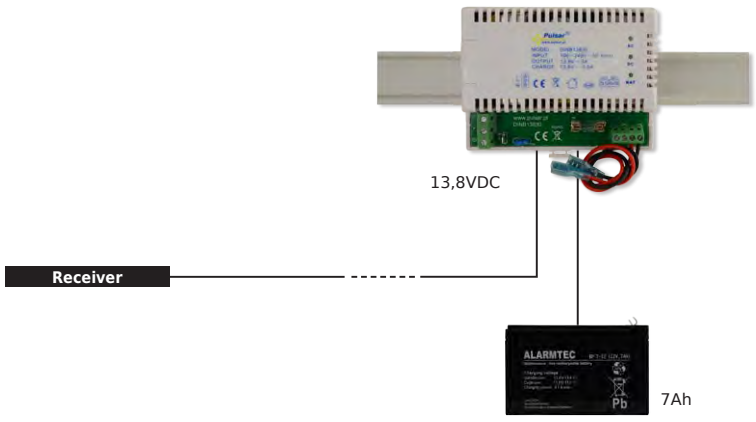
LED optical indication

Possibility of DIN rail mounting

	Code	Total current	Battery charging current	Dimensions W×H×D [mm]
13,8VDC	**DINB13810**	1,5A	0,5A	122×93×50
	DINB13820	2,5A	0,5A	122×93×50
	DINB13830	3,5A	0,5A	122×93×50
	DINB13850	5,5A	0,5A	122×93×60
27,6VDC	**DINB27610**	1,2A	0,2A	122×93×50
	DINB27620	2,2A	0,2A	122×93×50
	DINB27630	3,2A	0,2A	122×93×60



Sample product: DINB13830



Receiver e.g.

Camera

Detector

Indicator

Electromagnetic lock

Electric strike

Intercom

Video intercom

Plug-in type power supplies 12VDC
PSA series

- power supply: 90÷264VAC
- cable length - 1,45m
- output – JACK plug – DC 5,5/2,1 – female
- standby power <0,3W
- efficiency level: V
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - surge protection (AC input)
- warranty: 2 years from production date

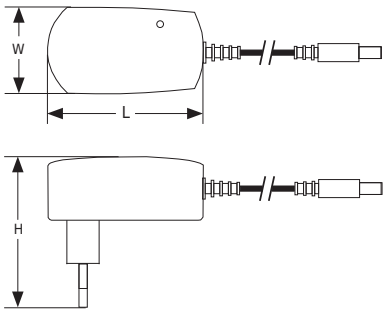
Sample product:
PSA12015

230VAC plug

DC plug 5,5/2,1
female

LED optical indication

	Code	Output current	LED indication	Dimensions L×W×H [mm]
12VDC	**PSA12005**	0,5A	✓	59×39×65
	PSA12010	1,0A	—	70×29×76
	PSA12015	1,5A	✓	71×46×68

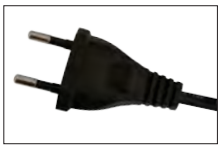


Sample product: PSA12015

Desktop type power supplies 12VDC / 15VDC / 48VDC / 12÷15VDC PSD, PSR series

- power supply: 90÷264VAC
- standby power <0,3W; (<0,5W)
- efficiency level: V
- set includes 230VAC power cable
- cable length – 1,45m
- output – JACK plug – DC 5,5/2,1 – female
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - surge protection (AC input)
- warranty: 2 years from production date

Sample product:
PSD12050



230VAC plug

DC plug 5,5/2,1
female

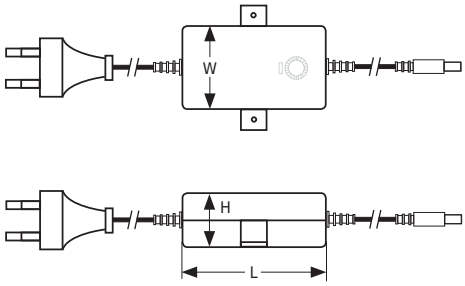
LED optical indication

Enclosure fitted with
mounting brackets

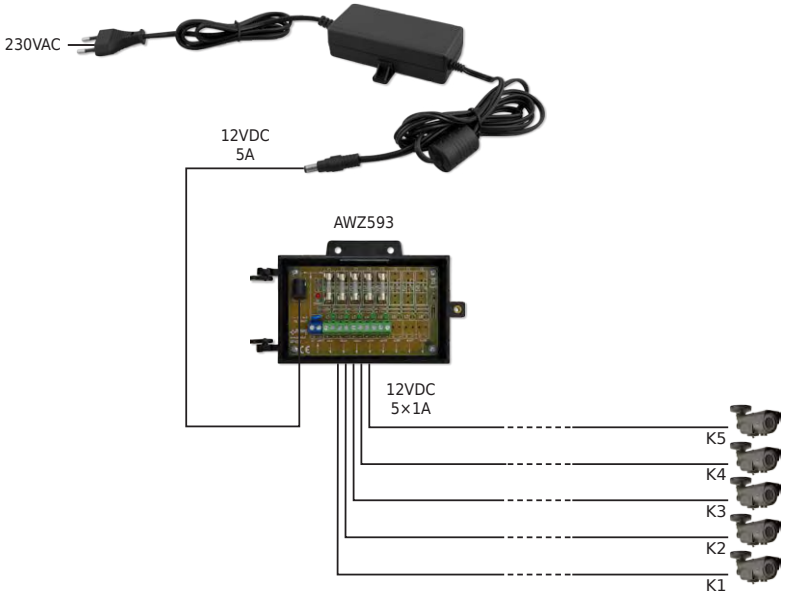
Applies to: PSR12012

Adjustable output voltage

	Code	Voltage adjustment	Output current	LED indication	Dimensions L×W×H [mm]
12VDC	**PSD12010**	—	1,0A	✓	65×36×30
	PSD12020	—	2,0A	✓	86×72×32
	PSD12030	—	3,0A	✓	107×48×33
	PSD12050	—	5,0A	✓	116×54×35
	PSD12070	—	7,0A	✓	175×72×45
15VDC	**PSD15040**	—	4,0A	✓	116×54×35
48VDC	**PSD480050**	—	0,5A	✓	86×50×32
	PSD480125	—	1,25A	✓	116×54×35
	PSD480250	—	2,5A	✓	172×73×34
12VDC	**PSR12012**	12÷15V	1,2A	✓	78×48×35



Sample product: PSD12050



Power supplies 7,5VDC / 12VDC / 13,8VDC
IP67 hermetic enclosure
PSC series

- power supply: 90÷264VAC
- IP67 hermetic enclosure
- cable length – 0,5m
- DC output – JACK plug – DC 5,5/2,1 – female *
- standby power <0,3W
- efficiency level: V
- protections:
  - SCP short circuit protection, OLP overload protection
  - surge protection (AC input)
- warranty: 2 years from production date

* depending on model

Sample product:
PSC12010

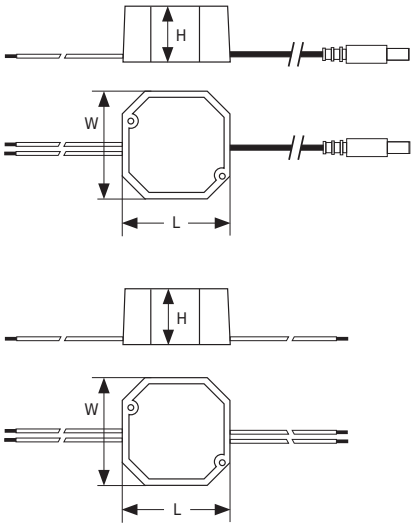
DC plug 5,5/2,1
female *

Suppression filter

IP67

Hermetic
enclosure IP67

	Code	Output current	Dimensions L×W×H [mm]	Notes
7,5VDC	**PSC07510**	1,0A	48×50×25	—
12VDC	**PSC12010**	1,0A	48×50×25	DC output – JACK plug – DC 5,5/2,1 – female
	PSC12015	1,5A	58×58×28	
13,8VDC	**PSC13008**	0,8A	48×50×25	—



Sample product: PSC12010

Desktop type power supplies 12VDC / 48VDC
IP67 hermetic enclosure
PSCL series

- power supply: 90÷264VAC
- power supply is not fitted with 230VAC plug, cables are terminated with screw connectors
- cable length DC – 0,5m
- DC output – JACK plug – DC 5,5/2,1 – female
- standby power <0,3W; <0,5W
- efficiency level: V
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - surge protection (AC input)
- warranty: 2 years from production date

Sample product:
PSCL12070

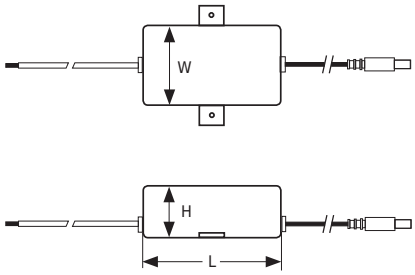
DC plug 5,5/2,1
female

Suppression filter

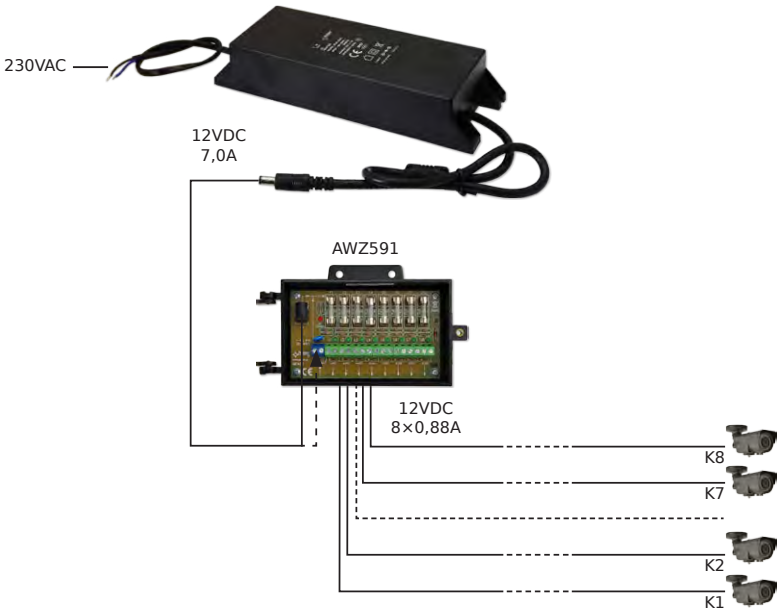
Enclosure fitted with
mounting brackets

Hermetic
enclosure IP67

	Code	Output current	Dimensions L×W×H [mm]
12VDC	**PSCL12010**	1,0A	67×37×25
	PSCL12015	1,5A	69×44×29
	PSCL12020	2,0A	86×50×34
	PSCL12030	3,0A	135×50×33
	PSCL12050	5,0A	150×56×34
	PSCL12070	7,0A	202×69×38
48VDC	**PSCL480125**	1,25A	150×56×34



Sample product: PSCL12070



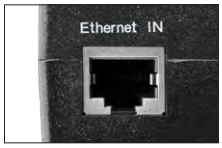
Desktop type power supplies 48VDC / 52VDC
PSP series

- power supply outputs: 48VDC/0,5A – PoE/RJ45
  52VDC/0,3A – PoE/RJ45
- power supply: 90÷264VAC
- compliance with IEEE 802.3 af standard *
- LED optical signalization
- protections:
  - SCP short circuit protection *
  - OLP overload protection
  - overvoltage protection (AC input)
- notes:
  - designed for 10Mb/s and 100Mb/s network
- warranty: 2 years from production date

* depending on model

Sample product:
PSP52003

RJ45 connectors
- input / output

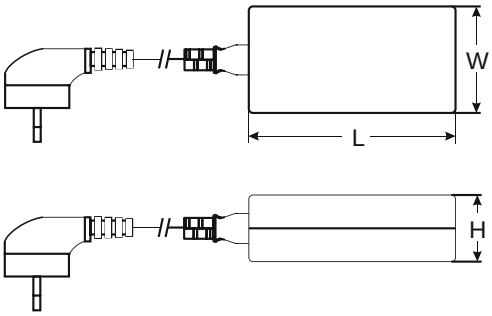


Ethernet input

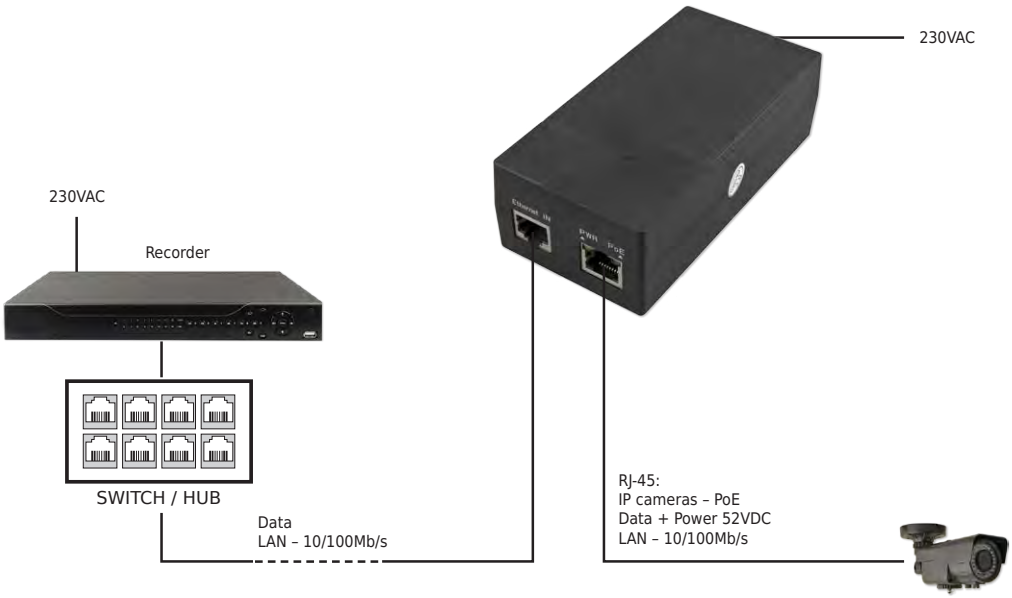
PoE output

LED optical indication

	Code	Output current	Compliance with/ IEEE 802.3 af standard	Dimensions L×W×H [+/- 2mm]
48VDC	**PSP48005**	0,5A	–	119×61×38
52VDC	**PSP52003**	0,3A	✓	119×61×38



Sample product: PSP52003



Code	Type	Connector type input / output	Note
Transmitters			
P-TR1HD	HD transmitters (passive)	BNC plug / UTP screw terminals	P-TR1HD Set of passive video HD transmitters with BNC plug on cable
P-TR1HD3	HD transmitters (passive)	BNC plug / self clinching terminal	P-TR1HD3 Set of passive video HD transmitters with BNC plug on cable (self clinching terminal)
P-TR3HD	HD transmitters (passive)	BNC plug / UTP screw terminals	P-TR3HD Set of passive video HD transmitters with angled BNC plug
P-TRPV1	HD transmitters (passive)	BNC plug outlet, plug JACK 5,5/2,1 / RJ45 socket	P-TRPV1 Set of passive video HD transmitters and power supply
P-TRPV120	HD transmitters (passive)	BNC plug plug JACK 5,5/2,1 / RJ45 socket	P-TRPV120 passive HD video and power transmitter (BNC plug 5,5/2,1)
P-TRPV4	HD transmitters (passive)	BNC plug / RJ45 socket	P-TRPV4 passive HD video and power transmitter (4 channels)
P-TR1	Transmitters (passive)	BNC plug / UTP screw terminals	P-TR1 set of passive video transmitters with BNC plug on cable
P-TR2	Transmitters (passive)	BNC plug / UTP screw terminals	P-TR2 set of passive video transmitters with BNC plug

Accessories for CCTV
Surge protectors, Transmitters
Galvanic separators, PoE Adapters, PoE Splitters, Converters

Code		Type	Connector type input / output	Note
Surge protectors				
	P-ZV1	Surge protector	BNC socket / BNC socket	P-ZV1 video circuit surge protector (BNC socket – BNC socket)
	P-ZV2	Surge protector	BNC plug / BNC socket	P-ZV2 video circuit surge protector (BNC socket – BNC plug)
	P-ZRJ1	Surge protector	RJ45 socket / RJ45 socket	P-ZRJ1 LAN surge protector with RJ45 connectors
	P-Z12V1	Surge protector	separable terminal strip (screw connections)	P-Z12V1 surge protector for DC12V power supply circuit (screw terminals)
Galvanic separators				
	P-SEP1	Galvanic separator	BNC plug / BNC socket	P-SEP1 galvanic separator with BNC connectors on cables
PoE adapters				
	P-POE1	PoE Adapter	RJ45 socket / RJ45 plug outlet, plug JACK 5,5/2,1	P-PoE1 set of adapters with RJ45 or 2.1 / 5.5 connectors
Spiltter PoE				
	SP-POE12	Spiltter	RJ45 socket / RJ45 plug plug JACK 5,5/2,1	Splitter PoE SP-POE12
Converters				
	HDMI-VGA	Converter	HDMI / VGA	HDMI-VGA signal converter

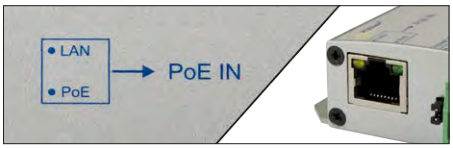
Accessories for CCTV
Extender PoE

- PoE input: PoE IN - compliant with IEEE802.3af / at
- PoE output: PoE OUT - compliant with IEEE802.3af *
- increases Ethernet and PoE power range by 100 meters *
- the power supply supports both 10/100Mb/s networks
- the PoE IN input power supply pairs: 4/5 (+), 7/8 (-)
- the PoE OUT input power supply pairs: 4/5 (+), 7/8 (-)
- LED optical signalization
- protections:
  - SCP short circuit protection, surge protection (PoE input)
  - OLP overload protection
- warranty: 2 years from production date

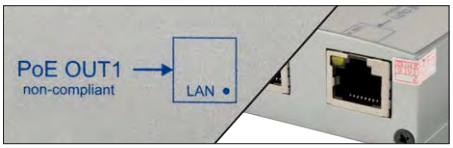
Sample product:
EXT-POE1

* depending on model

Applies to: EXT-PoE...H

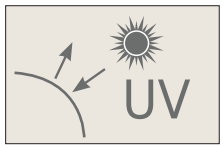


PoE IN input



PoE OUT output

Hermetic enclosure IP56



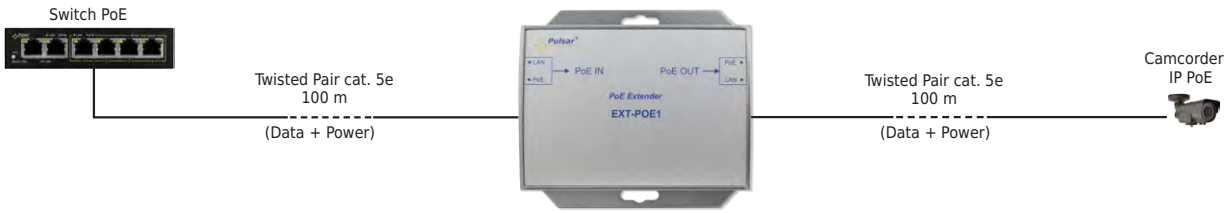
UV resistance

Code	Power input	RJ45 input / compliant with IEEE802.3af / at	RJ45 output / compliant with IEEE802.3af	Output power	Hermetic enclosure	Dimensions L×W×H [+/- 2mm]
EXT-POE1	—	PoE IN / compliant	PoE OUT / compliant	15,4W	—	81×77×26
EXT-POE2	—	PoE IN / compliant	PoE OUT1 / compliant PoE OUT2 / compliant	15,4W / port (∑ =20W)	—	81×77×26
EXT-POE3	—	PoE IN / compliant	PoE OUT1 / compliant PoE OUT2 / compliant PoE OUT3 / not compliant	15,4W / port (∑ =30W)	—	81×77×26
EXT-POE4	DC IN 44÷57VDC	PoE IN / compliant	PoE OUT1 / not compliant PoE OUT2 / not compliant	15,4W / port (∑ =20W)	—	81×77×26
EXT-POE1H	—	PoE IN / compliant	PoE OUT / compliant	15,4W	IP56 UV resistance W=158, H=118, D=76 [+/- 2mm] Cable gland height: 25mm Ø cables: 4÷8mm	
EXT-POE2H	—	PoE IN / compliant	PoE OUT1 / compliant PoE OUT2 / compliant	15,4W / port (∑ =20W)		
EXT-POE3H	—	PoE IN / compliant	PoE OUT1 / compliant PoE OUT2 / compliant PoE OUT3 / not compliant	15,4W / port (∑ =30W)		
EXT-POE4H	DC IN 44÷57VDC	PoE IN / compliant	PoE OUT1 / not compliant PoE OUT2 / not compliant	15,4W / port (∑ =20W)		

Accessories:

OZB1
(applies EXT-PoE...H)

Sample product: EXT-POE1



Increases Ethernet and PoE power range by 100 meters

PoE modules for IP cameras – RJ45

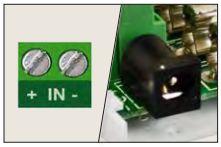
- power supply: 20÷56VDC
- available models: 4×1,0A – RJ45
  4×1,0A – RJ45 – angular
  4×0,5A – glass fuses (4×1,0A – without fuses) – RJ45
- number of outputs × fuse: 4×0,5A *
- fuse type: glass fuse *
- protections:
  - SCP short circuit protection *, OLP overload protection *
  - surge protection
- technical outputs OC and relay type:
  - FPS – fuse failure or power failure DC *
- notes:
  - LED optical indication
  - mounting options: mounting board, adhesive tape
  - number of power inputs: 2 – DC 5,5/2,1 socket or screw terminal – max. cable size 1,5mm²
  - designed for 10Mb/s and 100Mb/s network
- warranty: 2 years from production date

* depending on model

AWZ602
without fuses

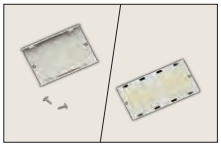
AWZ613
without fuses
angular

AWZ603
with glass fuses
with technical output of failure



Power input
– screw connection
– socket DC 5,5/2,1

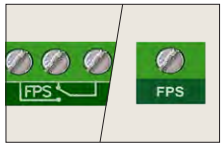
RJ45 connector
input / output:


Installation:
– mounting screws
– adhesive tape

Construction
– „open frame”

Applies to: AWZ603

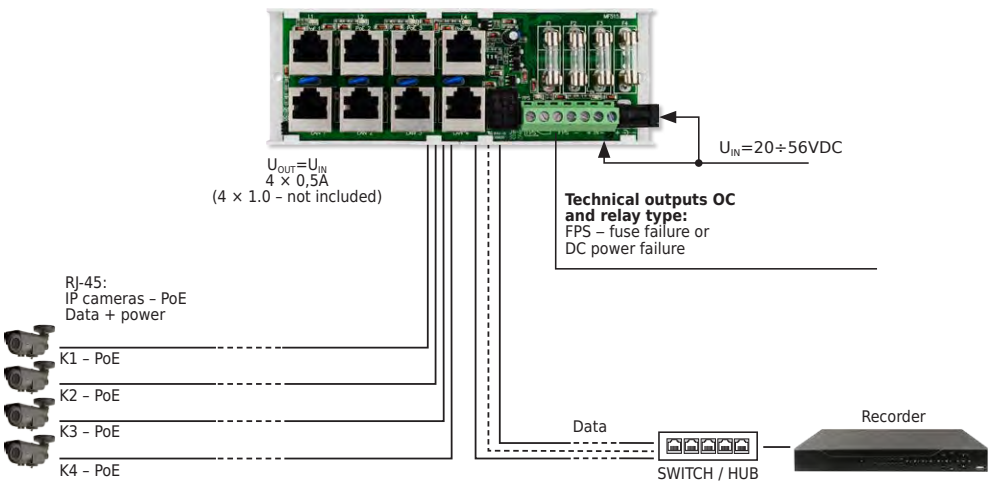
Fuse-protected output:
glass fuse

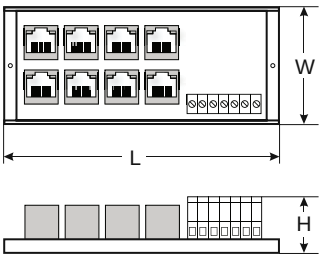


Technical output of battery failure
– relay C/NO/NC
– open colector – OC

Code	Input voltage	Output voltage	Number of outputs: RJ45	Fuse type	Technical outputs	Power input		Dimensions W×H×D [mm]
						screw connection (1,5mm²)	DC 5,5/2,1 outlet	
AWZ602	20÷56VDC	$U_{PoE}=U_{IN}$	4×1,0A	—	—	✓	✓	105×43×25
AWZ613	20÷56VDC	$U_{PoE}=U_{IN}$	4×1,0A (angled)	—	—	✓	✓	75×53×33
AWZ603	20÷56VDC	$U_{PoE}=U_{IN}$	4×0,5A (4×1,0A)	0,5A – glass fuse (1,0A – glass fuse – without fuses)	✓	✓	✓	150×53×25

Sample product: AWZ603





Buffer power supply modules 13,8VDC linear, with technical output ML / MLR / MLRK series

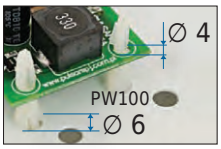
- available models – 13,8VDC / 1A
- linear voltage regulator
- supply voltage: external transformer required 16÷17VAC (e.g. AWT150)
- battery charging and maintenance control
- battery output short circuit protection and reverse polarity connection
- battery charging current 0,1A
- protections:
  - SCP short circuit protection, OLP overload protection
  - OHP overheat protection, surge protection
- for MLR series:
  - technical output relay type: FAC – indicating AC power loss
- for MLRK series:
  - technical output relay type: FAC – indicating AC power loss
  - deep discharge battery protection (UVP)
  - adjustable times indicating AC power failure
- warranty: 5 years from production date

Sample product:
MLRK1012

Applies to: MLR / MLRK

Power input/output terminals

Connectors for battery connection



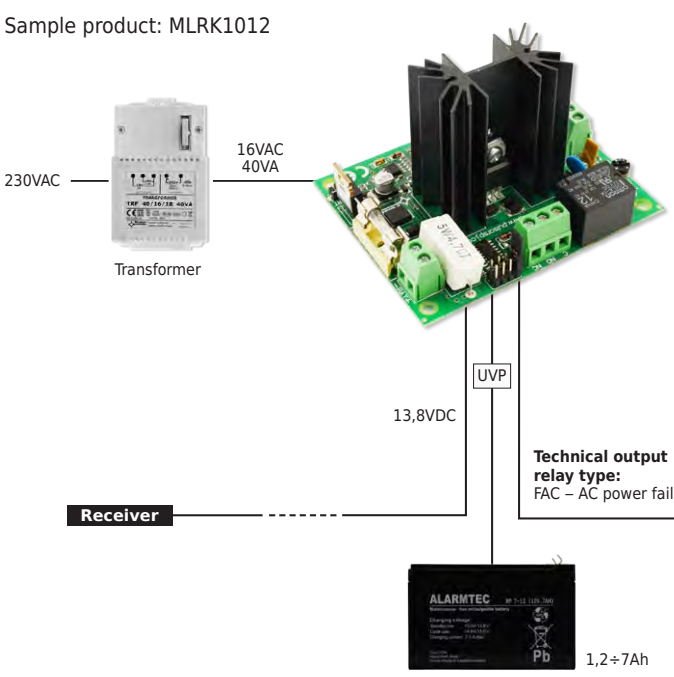
Mounting: PW100 distance pitches

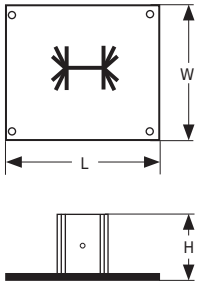
Construction – „open frame"

Technical output relay type:
FAC – AC power failure

	Code	Total current	Battery charging current	Technical output	Deep discharge battery protection	Dimensions L×W×H [+/- 2mm]
13,8VDC	**ML1012**	1,0A	0,1A	—	—	90×72×55
	MLR1012	1,0A	0,1A	✓	—	90×72×55
	MLRK1012	1,0A	0,1A	✓	✓	90×72×55

Sample product: MLRK1012





Accessories:

Transformers of
TRP, TRZ, TOR series

Receiver e.g.

Camera

Detector

Indicator

Electromagnetic lock

Electric strike

Intercom

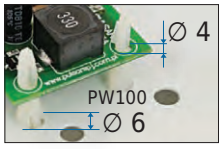
Video intercom

Buffer power supply modules 13,8VDC / 27,6VDC switch mode, with technical outputs MS / MSR / MSRK series

- available models: MS and MSR series 13,8VDC / 1A; 2A
  MSRK series 13,8VDC / 1A; 2A; 3A
  27,6VDC / 0,8A; 2A; 3A
- impulse voltage stabilizer
- supply voltage: external transformer required 18÷22VAC / 18÷33VAC
- battery charging and maintenance control
- battery output short circuit protection and reverse polarity connection
- protections:
  - SCP short circuit protection, OLP overload protection
  - OHP overheat protection, surge protection
- for MSR series:
  - technical output relay type: FAC – AC power failure
- for MSRK series:
  - technical outputs OC type: EPS – 230V power failure AC, PSU – power supply failure, LoB – low battery voltage, deep discharge battery protection (UVP)
  - adjustable times indicating AC power failure
  - START facility for manual battery connection
- warranty: 5 years from production date

Sample product:
MSRK3012

Power input/output terminals



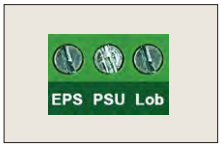
Mounting: PW100 distance pitches

Construction
– „open frame”

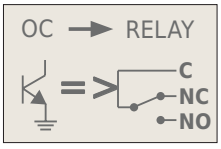
Applies to: MSR

Technical output relay type:
FAC – AC power failure

Applies to: MSRK



Technical outputs OC type:
EPS, PSU, LoB



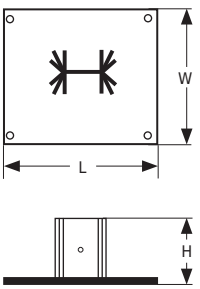
Possibility of mounting MPSBS module
OC → relay
(EPS, PSU, LoB)

	Code	Total current	Battery charging current	Technical outputs	Deep discharge battery protection	Dimensions L×W×H [+/- 2mm]
13,8VDC	**MS1012**	1,2A	0,2A / 0,5A	–	–	75×53×25
	MS2012	2,2A	0,2A / 0,5A	–	–	75×55×40
	MSR1012	1,2A	0,2A / 0,5A	✓	–	85×58×25
	MSR2012	2,2A	0,2A / 0,5A	✓	–	85×63×40
	MSRK1012	1,2A	0,2A / 0,5A	✓	✓	86×58×25
	MSRK2012	2,2A	0,2A / 0,5A	✓	✓	86×63×40
	MSRK3012	3,5A	0,5A / 1,0A	✓	✓	88×93×55
27,6VDC	**MSRK1024**	1,0A	0,2A / 0,5A	✓	✓	86×63×35
	MSRK2024	2,2A	0,2A / 0,5A	✓	✓	88×93×43
	MSRK3024	3,5A	0,5A / 1,0A	✓	✓	105×143×44

Accessories:

Transformers of TRP, TRZ, TOR series

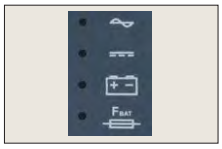
MPSBS
relay module of PSBS technical outputs



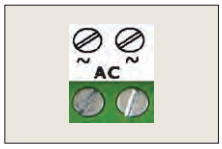
Buffer power supply module 13,8VDC switch mode, for DIN rail
MSRD series

- available models: 13,8VDC / 2A
- supply voltage – external transformer required: 13,8VDC – AWT150, AWT468
- deep discharge battery protection (UVP)
- battery output short circuit protection and reverse polarity connection
- jumper selectable battery charging current
- battery fuse status control
- START button for battery activation
- STOP button for disconnecting during battery-assisted operation
- FAC technical output indicating AC power collapse – relay and OC type
- FPS technical output indicating PSU failure – OC type
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - surge protection
- warranty: 5 years from production date

MSRD2012

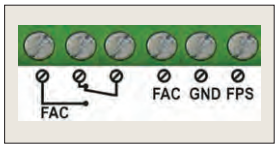


LED indication

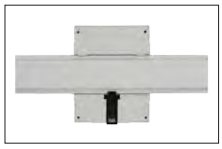


Power input terminals AC

START / STOP button – battery on / off

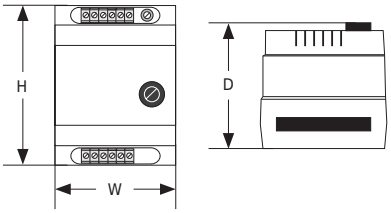


Technical outputs

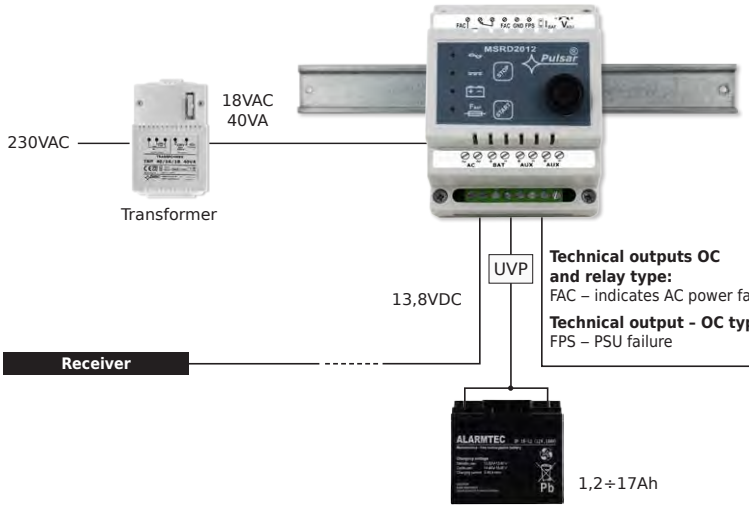


DIN rail mounting

	Code	Total current	Battery charging current	Technical outputs	Deep discharge battery protection	Dimensions L×W×H [+/- 2mm]
13,8VDC	**MSRD2012**	2,0A	0,2A / 0,5A	✓	✓	70×89×69



MSRD2012



Accessories:

Transformers of TRP, TRZ, TOR series

Receiver e.g.

Camera

Detector

Indicator

Electromagnetic lock

Electric strike

Intercom

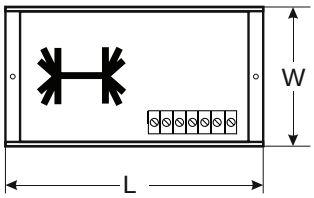
Video intercom

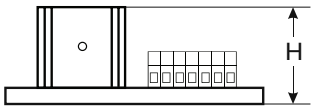
DC/DC voltage converters
open frame, with technical output
DC/DC series

- power supply: 8÷28VDC; 28÷60VDC; 9,5÷16VDC; 9,5÷28VDC; 18÷28VDC; 20÷28VDC *
- available models:
  - step down voltage converters:
    - with adjustable output voltage: 4,5÷19VDC / 1A / 2A *
      4,5÷24VDC / 3A / 5A *
      12÷24VDC / 3A / 5A *
    - without adjustment: 12VDC / 5A with galvanic isolation: input / output
  - step up / step down voltage converters:
    - with adjustable output voltage: 5÷15VDC / 1A / 2A / 3A *
    - without adjustment: 12VDC / 5A
    - without adjustment: 12VDC / 5A with galvanic isolation: input / output
  - step up voltage converters:
    - with adjustable output voltage: 18÷28VDC / 2,5A
    - without adjustment: 48VDC / 1,25A / 2,5A *
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP over voltage protection *, OHP overheat protection *
- technical output OC type:
  - PSU – converter failure *
- notes:
  - construction: „open frame”
  - installation: mounting panel with adhesive tape / mounting screws
  - minimum difference between input voltage and output voltage is: **2÷3VDC** *
- warranty: 2 years from production date

* depending on model

Sample product:
DC/DC50SD





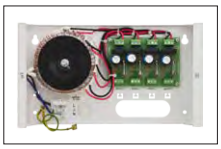
	Code	Output voltage	Output current	Technical output of battery failure	Dimensions W×H×D [mm]
step down voltage converters					
8÷28VDC	**DC/DC10SD**	4,5÷19VDC	1A/12VDC	✓	80×43×27
	DC/DC20SD	4,5÷19VDC	2A/12VDC	✓	100×43×27
	DC/DC30SD	4,5÷24VDC	3A/12VDC	✓	130×43×45
	DC/DC50SD	4,5÷24VDC	5A/12VDC	✓	140×43×45
20÷28VDC	**DC/DC50SD-SEP** with separation	12VDC	5A/12VDC	–	150×54×60
28÷60VDC	**DC/DC30HV**	12÷24VDC	3A/12VDC	✓	130×43×37
	DC/DC50HV	12÷24VDC	5A/12VDC	✓	140×43×45
step up / step down voltage converters					
9,5÷16VDC	**DC/DC10SE**	5÷15VDC	1A/12VDC	✓	100×43×27
	DC/DC20SE	5÷15VDC	2A/12VDC	✓	110×43×37
	DC/DC30SE	5÷15VDC	3A/12VDC	✓	140×43×45
	DC/DC50SE	12VDC	5A/12VDC	✓	150×54×60
	DC/DC50SE-SEP with separation	12VDC	5A/12VDC	–	150×54×60
step up voltage converters					
9,5÷16VDC	**DC/DC25SU**	18÷28VDC	2,5A/24VDC	✓	140×43×45
	DC/DC48125	48VDC	1,25A/48VDC	✓	130×43×45
18÷28VDC	**DC/DC48250**	48VDC	2,5A/48VDC	✓	140×43×45

DCDC voltage converters – 12VDC switch mode, hermetic IP67 DCDC...H series

- available models, output voltage: 12VDC / 1A; 1,5A
- power supply: 18÷40VDC
- hermetic enclosure IP67, ABS
- length of DC input cable: 0,3m
- length of DC output cable: 0,5m + DC plug 5,5/2,1 female
- protections:
  - OLP overload protection, SCP short circuit protection
  - against reverse input voltage polarity
- notes:
  - mounting: 2 Ø3,2mm holes
- warranty: 2 years from production date

Sample product:
DCDC10H

Dedicated for power supply of PSCU series



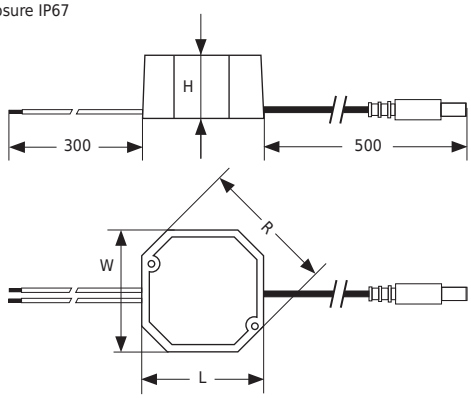
Dedicated for power supply of PSCU series

DC plug 5,5/2,1 female

IP67

Hermetic enclosure IP67

	Code	Input voltage	Output current	Dimensions L×W×H / R [mm]
12VDC	**DCDC10H**	18÷40VDC	1,0A	48×50×25 / 55
	DCDC15H	18÷40VDC	1,5A	58×58×28 / 62



DCDC voltage converters – 12VDC DC/DC series – in plastic enclosure

- available models, output voltage: 12VDC/0,5A
- power supply: 18÷30VDC
- length of DC input cable: 0,13m + screw connection / 5,5/2,1 JACK socket - male *
- length of DC output cable: 0,13m + DC plug 5,5/2,1 female
- protections:
  - against reverse input voltage polarity
- notes:
  - self clinching terminal
- warranty: 1 year from production date

* depending on model

Sample product:
DC/DC05-J

DC plug 5,5/2,1 female

Screw connection *

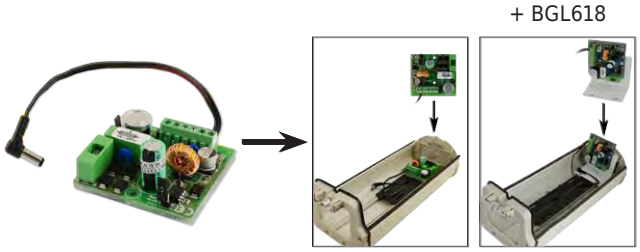
5,5/2,1 JACK socket - male *

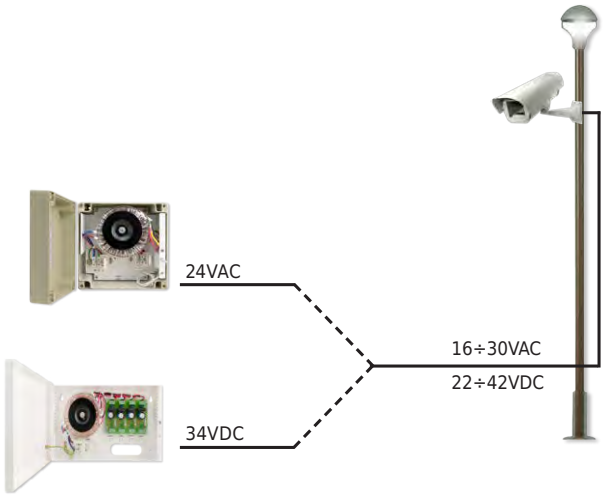
	Code	Input voltage	Output current	Notes		Dimensions L×W×H [mm]
				input	output	
12VDC	**DC/DC05**	18÷30VDC	0,5A	screw connection	DC plug 5,5/2,1 female	50×20×18
	DC/DC05-J	18÷30VDC	0,5A	5,5/2,1 JACK socket - male	DC plug 5,5/2,1 female	50×20×18

Power supply module for CCTV, DC/DC step down voltage converter for mounting in CCTV enclosures for mounting by cameras CCTV

MST1512

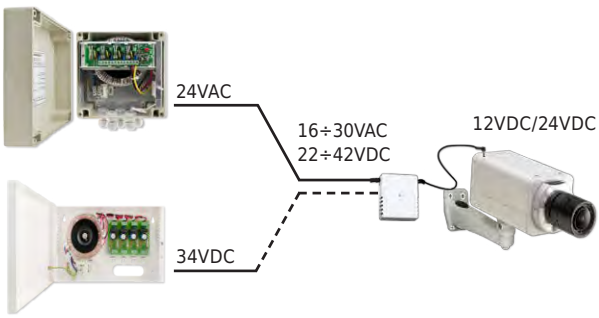
- output voltage – 12VDC / 1,5A or 24VDC / 1A (jumper selectable)
- supply voltage: 16÷30VAC, 22÷42VDC
- mounting in CCTV camera enclosure
- high efficiency 90% max
- optical indication LED
- thermostat-operated heater
- switchable heater's power
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - surge protection
- warranty: 5 years from production date



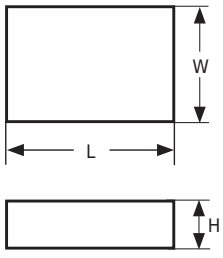


MSC1512

- output voltage – 12VDC / 1,5A or 24VDC / 1A (jumper selectable)
- supply voltage: 16÷30VAC, 22÷42VDC
- high efficiency 90%
- optical indication LED
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - surge protection
- warranty: 5 years from production date



	Code	Output voltage	Output current	Thermostat-operated heater	Plastic enclosure	Dimensions L×W×H [mm]
16÷30VAC, 22÷42VDC	**MST1512**	12 / 24VDC	1,5A / 1A	✓ T_{ON}=15°C, T_{OFF}=25°C (+/-4°C)	–	70×69×89
	MSC1512	12 / 24VDC	1,5A / 1A	–	✓	70×70×28



Voltage reducers – linear
13,8VDC → 12VDC
27,6VDC → 24VDC
RN series

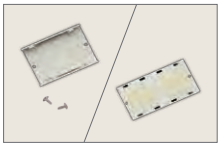
- available models: 12VDC / 2,5A; 5A
  24VDC / 2,5A
- supply voltage: 12÷14VDC for 12V version
  24÷28VDC for 24V version
- voltage adjustment range: 11V÷U_{IN} / 22V÷U_{IN}
- linear voltage regulator
- lossless conductivity below stabilisation threshold
- protections:
  - SCP short circuit protection
  - OLP overload protection
- installation:
  - installation: screw, mounting pins or adhesive tape
- warranty: 2 years from production date

Sample product:
RN250

Power input
terminals DC

Power output
terminals DC

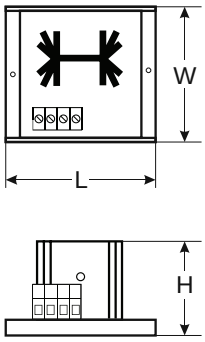
Potentiometer,
adjustable voltage



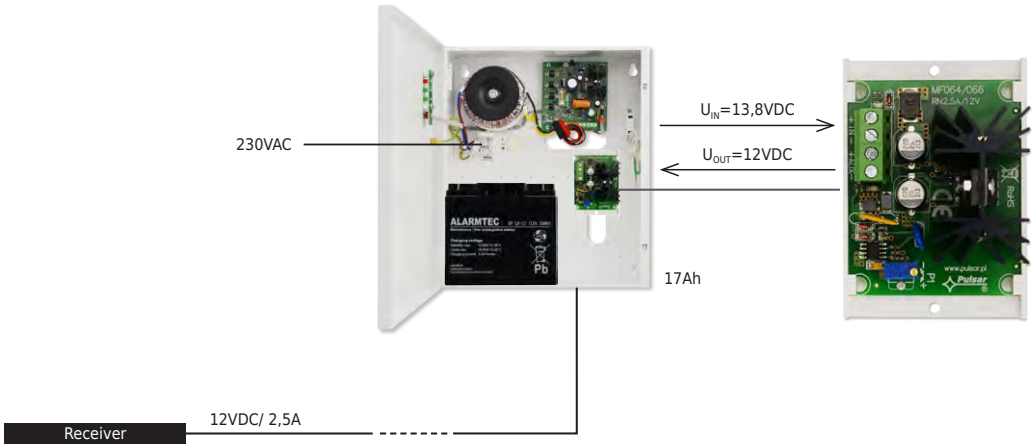
Installation:
– mounting screws
– adhesive tape

Construction
– „open frame”

	Code	Output voltage (adjustment)	Output current	Dimensions L×W×H [+/- 2mm]
13,8VDC (12÷14VDC)	**RN250**	12V (11V÷U_{IN})	2,5A	76×54×45
	RN500	12V (11V÷U_{IN})	5,0A	76×70×45
27,6VDC (24÷28VDC)	**RN25024**	24V (22V÷U_{IN})	2,5A	76×70×45



Sample product: RN250



Receiver e.g.

Camera

Detector

Indicator

Electromagnetic
lock

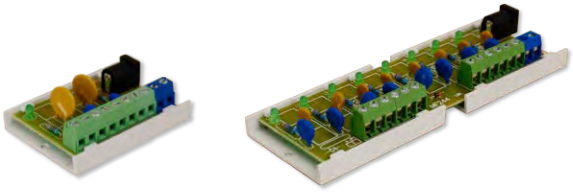
Electric strike

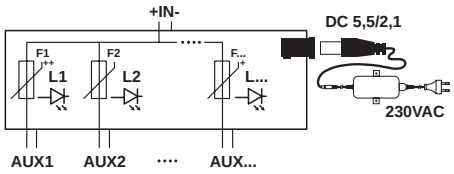
Intercom

Video intercom

Fuse modules

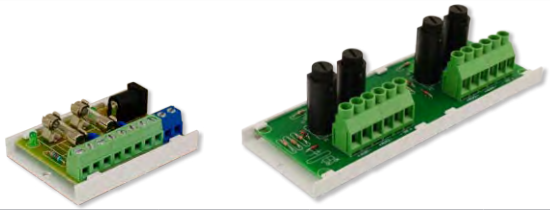
Distribution – PTC

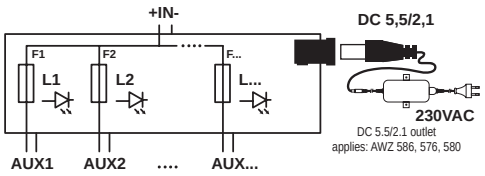




Code	Power supply	Number of inputs / outputs	Cable cross section (max)	Output protection	Fuse PTC (polymer)	DC 5,5/2,1 outlet	Dimensions L×W×H [+/- 2mm]
AWZ585	10÷30VDC	2 / 2	1mm²	2×1,0A	✓	✓	60×43×23
AWZ573		2 / 4	1mm²	4×0,3A	✓	✓	80×43×21
AWZ574		2 / 4	1mm²	4×0,5A	✓	✓	80×43×21
AWZ575		2 / 4	1mm²	4×1,0A	✓	✓	80×43×21
AWZ577		2 / 8	1mm²	8×0,3A	✓	✓	124×43×21
AWZ578		2 / 8	1mm²	8×0,5A	✓	✓	124×43×21
AWZ579		2 / 8	1mm²	8×1,0A	✓	✓	124×43×21

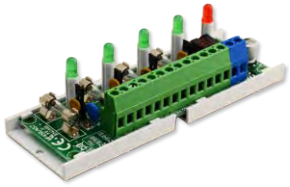
Distribution – glass fuse

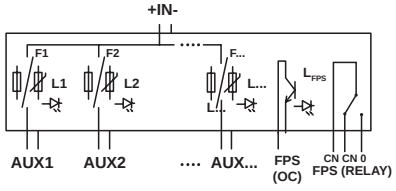




Code	Power supply	Number of inputs / outputs	Cable cross section (max)	Output protection	Glass fuse	DC 5,5/2,1 outlet	Dimensions L×W×H [+/- 2mm]
AWZ586	10÷30VDC	2 / 2	1mm²	2×1,0A	✓	✓	60×43×20
AWZ576		2 / 4	1mm²	4×0,5A	✓	✓	80×43×20
AWZ580		2 / 8	1mm²	8×0,5A	✓	✓	124×43×20
AWZ597	10÷30VDC 10÷24VAC	1 / 2	2,5mm²	2×2,0A	✓	—	60×43×26
AWZ589	10÷30VDC	1 / 4	2,5mm²	4×2,0A	✓	—	80×43×27
AWZ598	10÷30VDC 10÷24VAC	2 / 8	2,5mm²	8×1,5A	✓	—	144×43×26
AWZ599		1 / 2	4mm²	2×5,0A	✓	—	75×53×40
AWZ600		2 / 4	4mm²	4×5,0A	✓	—	150×53×40

Distribution modules with technical output of failure – glass fuse / PTC (jumper selectable fuse type)

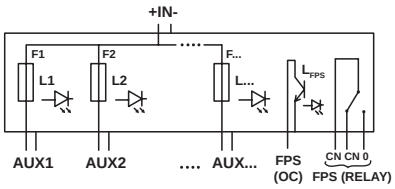




Code	Power supply	Number of inputs / outputs	Cable cross section (max)	Output protection	Fuse PTC (polymer) / glass fuse	Technical outputs	Dimensions L×W×H [+/- 2mm]
AWZ535	10÷30VDC 10÷24VAC	1 / 4	2,5mm²	4×0,5A	✓ / ✓	OC type	125×43×32
AWZ536		1 / 5	2,5mm²	5×0,5A	✓ / ✓	OC type	150×43×30
AWZ588		1 / 4	2,5mm²	4×0,5A	✓ / ✓	OC type, RELAY	125×43×32

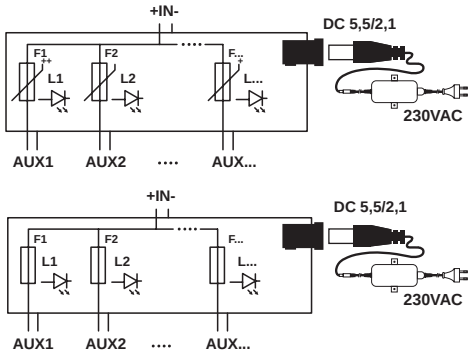
Fuse modules

Modules with technical output of failure – glass fuse



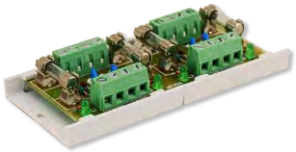
Code	Power supply	Number of inputs / outputs	Cable cross section (max)	Output protection	Glass fuse	Technical outputs	Dimensions L×W×H [+/- 2mm]
AWZ595	10÷30VDC 10÷24VAC	1 / 4	2,5mm²	4×2,0A	✓	OC type, RELAY	120×43×26
AWZ596		1 / 4	4mm²	4×5,0A	✓	OC type, RELAY	150×53×40

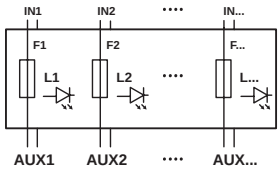
Modules in plastic enclosures glass fuse / PTC / without fuse



Code	Power supply	Number of inputs / outputs	Cable cross section (max)	Output protection	Fuse			DC 5,5/2,1 outlet	Dimensions W×H×D [+/- 2mm]
					PTC polymer	/	glass fuse		
AWZ594	10÷30VDC	2 / 5	2mm²	5×1,0A	✓	/	—	✓	150×94×92
AWZ592		2 / 8	2mm²	8×1,0A	✓	/	—	✓	150×94×92
AWZ593		2 / 5	2mm²	5×1,0A	—	/	✓	✓	150×94×92
AWZ591		2 / 8	2mm²	8×1,0A	—	/	✓	✓	150×94×92
AWZ590		2 / 8	2mm²	8 (n/a)	—	/	—	✓	150×94×92

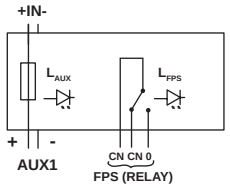
Straight-through – glass fuse (galvanic separation of each output)





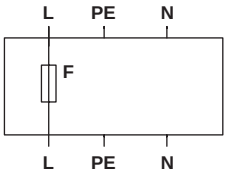
Code	Power supply	Number of inputs / outputs	Cable cross section (max)	Output protection	Glass fuse	Dimensions L×W×H [+/- 2mm]
AWZ533	10÷30VDC 10÷24VAC	4 / 4	1mm²	2×1,5A	✓	100×43×20
AWZ605		1 / 1	2,5mm²	1×5,0A	✓	50×43×40
AWZ606		2 / 2	2,5mm²	2×5,0A	✓	75×53×40
AWZ607		4 / 4	2,5mm²	4×2,0A	✓	75×70×26
AWZ608		4 / 4	2,5mm²	4×5,0A	✓	76×54×40

Straight-through with technical output of failure – glass fuse



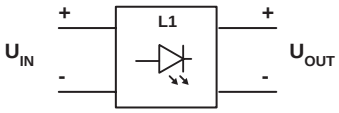
Code	Power supply	Number of inputs / outputs	Cable cross section (max)	Output protection	Glass fuse	Technical output of failure	Dimensions L×W×H [+/- 2mm]
AWZ604	10÷24VDC	1 / 1	2,5mm²	1×5,0A	✓	type: RELAY	70×43×40

Straight-through, 230VAC – glass fuse

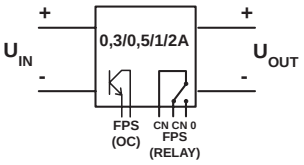


Code	Power supply	Number of inputs / outputs	Cable cross section (max)	Output protection	Glass fuse	Dimensions L×W×H [+/- 2mm]
AWZ618	230VAC	1 / 1	2,5mm²	1×T 3,15A	✓	60×43×40

Protection modules

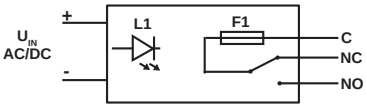


Code	U_{IN} power input	U_{OUT} power supply output	Output current (max)	Cable cross section (max)	Protection types	Technical outputs	Dimensions L×W×H [+/- 2mm]
AWZ540	9÷40VDC	9÷14,1VDC	4A	1mm²	overvoltage protection – OVP	—	50×43×26



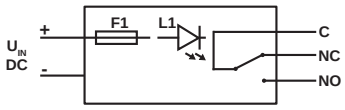
Code	U_{IN} power input	U_{OUT} power output	Cable cross section (max)	Protection types	Technical outputs	Dimensions L×W×H [+/- 2mm]
AWZ527	10÷30VDC	$U_{OUT} = U_{IN}$	2mm²	electronic fuse, short circuit protection – SCP, overload protection – OLP 4 current values can be set: 0,3A / 0,5A / 1A / 2A	OC type, RELAY	76×54×22

AC/DC power, fuse in C/NC/NO relay circuit



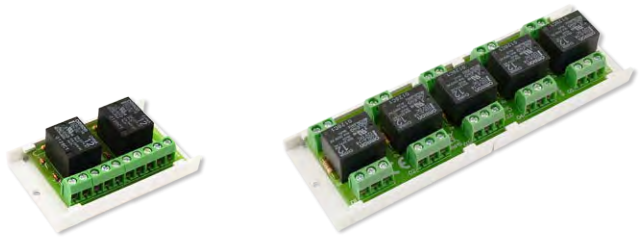
Code	Supply voltage	Number of relays	Maximum connection voltage	Maximum connection current	Dimensions L×W×H [+/- 2mm]
AWZ510	10÷16VDC / 10÷13VAC	1	30VDC / 50VAC	1A	50×43×20
AWZ512		2		1A	80×43×20
AWZ514	10÷16VDC / 10÷16VAC	1	30VDC / **250VAC**	6A	70×43×23
AWZ517	20÷32VDC / 20÷32VAC	1		6A	70×43×23
AWZ625	10÷16VDC / 10÷16VAC	2		6A	75×70×30
AWZ626		4		6A	150×70×30

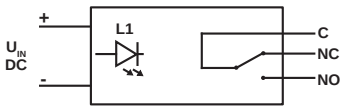
DC power, fuse in coil circuit



Code	Supply voltage	Number of relays	Maximum connection voltage	Maximum connection current	Dimensions L×W×H [+/- 2mm]
AWZ511	10÷14VDC	1	30VDC / 50VAC	2A	70×43×20
AWZ513	10÷14VDC	1		2A	70×43×20
AWZ515	10÷14VDC	4		2A	75×70×20

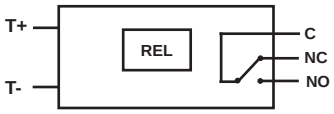
DC power, without fuse





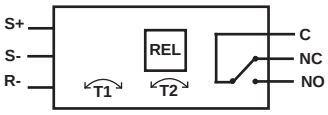
Code	Supply voltage	Number of relays	Maximum connection voltage	Maximum connection current	Dimensions L×W×H [+/- 2mm]
AWZ529	10÷14VDC	2	30VDC / 50VAC	2A	70×43×22
AWZ528	10÷14VDC	3	30VDC / 50VAC	1A	70×43×20
AWZ520	10÷14VDC	5	30VDC / 50VAC	2A	140×43×25
AWZ612	10÷14VDC	1	30VDC / 50VAC	1A	40×43×20
AWZ622	10÷14VDC	1	30VDC / 50VAC	1A	30×27×18
AWZ624	20÷28VDC	2	30VDC / 50VAC	2A	70×43×22

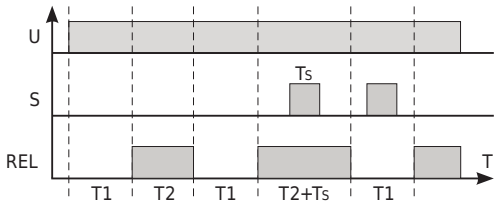
DC power, without fuse – control inputs: T -, T +



Code	Supply voltage	Control inputs	Number of relays	Maximum connection voltage	Maximum connection current	Dimensions L×W×H [+/- 2mm]
AWZ508	10÷15VDC 21÷28VDC (jumper selectable - Z1)	T-, T+	2	30VDC / 50VAC	2A	80×43×22
AWZ610	10÷14VDC	T-, T+	1		2A	50×43×22
AWZ611	10÷14VDC	T1-, T2-, T3-, T4-	4		2A	120×43×22

Time relay modules, DC power, without fuse





Code	Supply voltage	Control inputs	Number of relays	Maximum connection voltage	Maximum connection current	Time range	Dimensions L×W×H [+/- 2mm]
AWZ516	10÷16VDC	S+, S-, R-	1	30VDC / **250VAC**	10A	0,1s ÷ 100h (18 different time-logic functions)	120×43×22
AWZ518	10÷15VDC	—	n/a – 2 technical outputs OC type 50mA			4s/1min/16min/4h15min	60×43×23
AWZ525	10÷14VDC	S+, S-	1	30VDC / 50VAC	1A	1s ÷ 5min	60×43×23
AWZ526	10÷14VDC	S+, S-, R-	1		1A	1s ÷ 5min	70×43×23

Transformers
10VA ÷ 150VA

Transformers are designed to supply devices requiring galvanic isolation and U1, U2 or U3 AC voltage (i.e. alarm control panels, radio transmitters, GSM, access control panels etc.).

Accessories:
– DIN rail brackets

AWO466 **AWO467**

TRP series – IP30, ABS/PC

Code	Power	Output voltage
AWT050	20VA	16V/1,2A or 18V/1A
AWT053	20VA	12V/1,6A or 14V/1,4A
AWT150	40VA	16V/2,2A or 18V/2A
AWT500	50VA	16V/3A or 18V/2,8A or 20V/2,5A
AWT524	50VA	17V/2,9A or 24V/2,1A or 30V/1,7A
AWT800	80VA	16V/5A or 18V/4,5A or 20V/4A
AWT824	80VA	17V/4,7A or 24V/3,3A or 30V/2,7A

TRZ series – IP43, ABS/PC, cast resin

Code	Power	Output voltage
AWT468	40VA	16V/2,2A or 18V/2A
AWT682	60VA	18V/3,3A or 20V/3,0A
AWT5161820	50VA	16V/3A or 18V/2,8A or 20V/2,5A
AWT5172430	50VA	17V/2,9A or 24V/2,1A or 30V/1,7A
AWT752	75VA	20V/3,75A
AWT8161820	80VA	16V/5A or 18V/4,5A or 20V/4A
AWT8172430	80VA	17V/4,5A or 24V/3,3A or 30V/2,7A

TOR series

Code	Power	Output voltage
AWT037	50VA	16V/3,0A or 18V/2,8A or 20V/2,5A
AWT049	50VA	17V/2,9A or 24V/2,1A or 30V/1,7A
AWT039	80VA	16V/5,0A or 18V/4,5A or 20V/4,0A
AWT048	80VA	17V/4,7A or 24V/3,3A or 30V/2,7A
AWT042	100VA	24V/4,17A or 27V/3,7A or 33V/3,0A
AWT042H (with a mounting plate)	100VA	24V/4,17A or 27V/3,7A or 33V/3,0A
AWT034	150VA	24V/6,25A or 27V/5,6A or 33V/4,55A

EI series

Code	Power	Output voltage
AWT060	20VA	16V/1,2A or 18V/1,0A
AWT070	40VA	16V/2,2A or 18V/2,0A
AWT071	40VA	16,5V/2,2A

Epoxy encapsulated

Code	Power	Output voltage
AWT830	30VA	16,5V/1,8A
AWT845	45VA	16,5V/2,7A

Transformers for electric strikes and intercoms

Code	Power	Output voltage
AWT027	10VA	11,5V/0,8A or 14V/0,6A

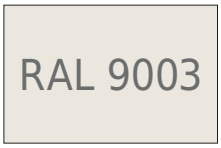
Panic alarm buttons
PN, PN-K series

AWZ700 – foot-operated panic button PN
- ALARM output: C/NC/NO – 1A@30VDC / 50VAC max
- TAMPER output: C/NC/NO – 1A@30VDC / 50VAC max
- operating conditions II environmental class, -10°C÷40°C
- enclosure: metallic DC01; 0,7mm, RAL 9003, IP20
- connectors: Φ0,41÷1,63 (AWG 26-14)
- warranty: 2 years from production date

AWZ710 – foot-operated panic button PN-K
- supply voltage: 11÷14VDC
- ALARM output: C/NC – 0,5A@30VDC / 50VAC max
- ALARM relay's operation mode (programmable function):
  - monostable (210s max.), bistable, latch
- TAMPER output: C/NC – 0,5A@30VDC / 50VAC max
- RST (RESET) input: controllable 0V (GND), time of impulse min 1s.
- optical indication LED
- operating conditions II environmental class, -10°C÷40°C
- metal enclosure DC01; 0,7mm, RAL 9003, IP20
- connectors: Φ0,41÷1,63 (AWG 26-14)
- warranty: 2 years from production date

Cable entry

Distance

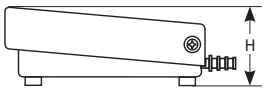


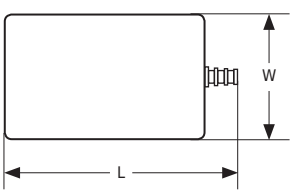
Metal enclosure
colour: RAL 9003

Applies to: AWZ710

LED optical indication

Code	ALARM output	TAMPER output	RST (RESET) input	Dimensions L×W×H [+/- 2mm]
AWZ700	C/NC/NO	C/NC/NO	—	125×66×38
AWZ710	C/NC programmable version: • monostable (210s max.) • bistable • latch	C/NC	controllable 0V (GND), time of impulse min 1s.	125×66×38

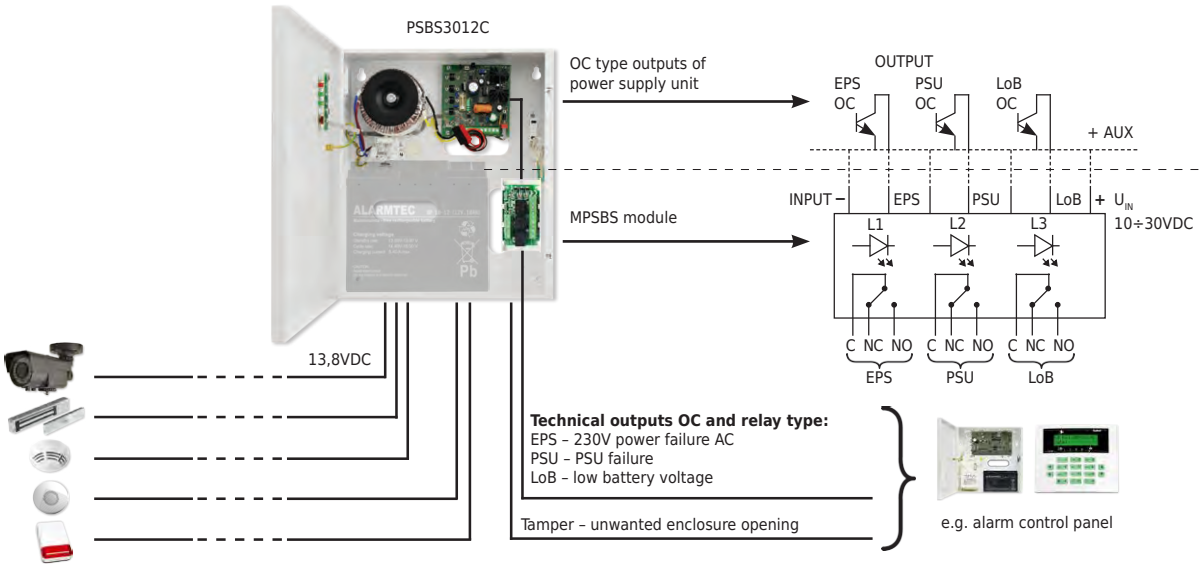




Module of technical relay outputs

MPSBS relay module is used for changing technical outputs (OC type) into technical outputs of relay type (C/NO/NC)
Dedicated for power supplies of: PSBS / PSBSH / MSRK / PSBSOF / AWZ plus.

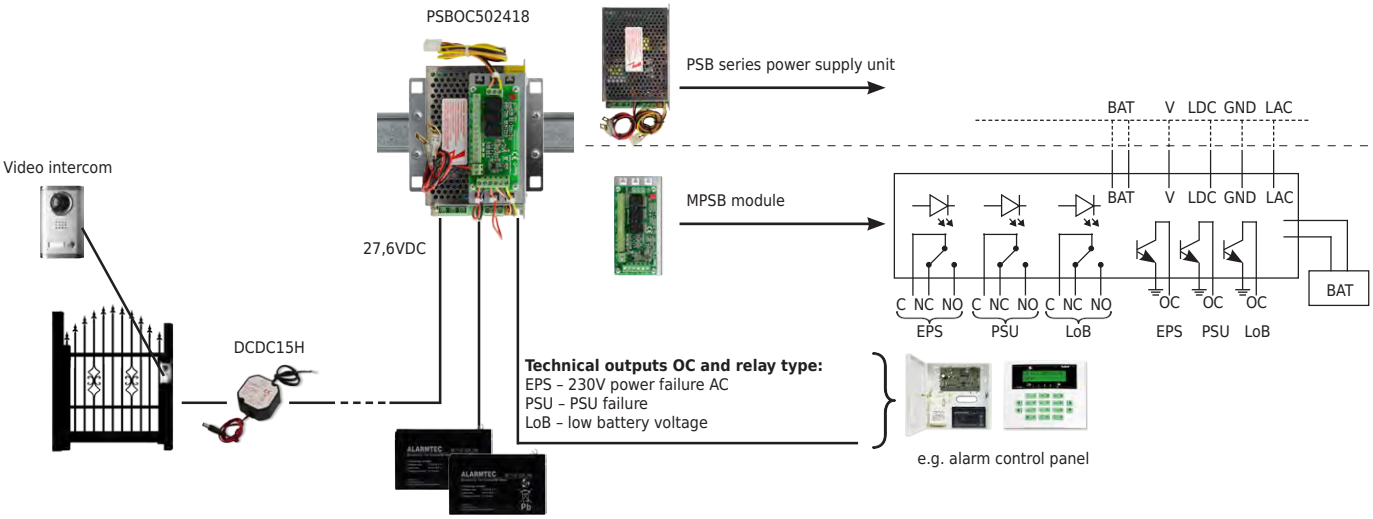
Code	Supply voltage	Control outputs	Technical outputs – relay type	Relays	Dimensions L×W×H [+/- 2mm]
MPSBS	10÷30VDC	EPS PSU LoB	EPS – 230V power failure AC PSU – PSU failure LoB – low battery voltage	3× REL-C/NO/NC, 1A@30VDC/50VAC	79×42×18



Operating automation module

MPSB automation module is used to indicate operating status of buffer power supply units of PSB / HPSB series.
Module detects and indicates power supply failures, power failures, and low battery voltage.
Each of technical outputs: OC and realy type (C/NO/NC).
Dedicated for power supplies of: PSB / HPSB

Code	Dedicated for power supply units of PSBS / HPSB series with nominal voltage	Technical outputs OC and relay type			Dimensions L×W×H [+/- 2mm]
		EPS power failure	PSU PSU failure	LoB low battery voltage	
MPSB12	13,8VDC	✓	✓	✓	127×56×58
MPSB24	27,6VDC	✓	✓	✓	127×56×58
MPSB48	54VDC	✓	✓	✓	127×56×58



Enclosures for alarm control panels

fitted with transformer of TRP series

Universal

Dedicated for control panels DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...

Code	Trans-former	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO000	TRP 20VA	16V/1,2A or 18V/1,0A	7Ah/12V	250×250×80+8	255×255
AWO009	TRP 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	250×250×80+8	255×255
AWO150	TRP 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	280×290×80+8	285×295
AWO220	TRP 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×305×90+8	325×310
AWO200	TRP 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×400×90+8	325×405
AWO250	TRP 50VA	16V/3,0A or 18V/2,8A or 20V/2,5A	17Ah/12V	320×400×120+8	325×405
AWO300	TRP 80VA	16V/5,0A or 18V/4,5A or 20V/4,0A	17Ah/12V	320×400×120+8	325×405
AWO301	TRP 80VA	16V/5,0A or 18V/4,5A or 20V/4,0A	24Ah/12V	350×400×170+8	355×405

SATEL

Dedicated for control panels SATEL.

Code	Trans-former	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO005	TRP 20VA	16V/1,2A or 18V/1,0A	7Ah/12V	250×250×80+8	255×255
AWO006	TRP 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	250×250×80+8	255×255
AWO205	TRP 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×305×90+8	325×310
AWO256	TRP 50VA	16V/3,0 or 18V/2,8A or 20V/2,5A	17Ah/12V	320×400×90+8	325×405
AWO261	TRP 80VA	16V/5,0 or 18V/4,5A or 20V/4,0A	28Ah/12V	425×450×145+8	430×455

PARADOX

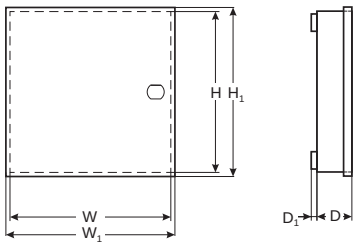
Dedicated for control panels PARADOX.

Code	Trans-former	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO003	TRP 20VA	16V/1,2A or 18V/1,0A	7Ah/12V	250×250×80+8	255×255
AWO008	TRP 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	250×250×80+8	255×255
AWO152	TRP 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	280×290×80+8	285×295
AWO232	TRP 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×305×90+8	325×310
AWO214	TRP 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×400×90+8	325×405

RISCO

Dedicated for control panels RISCO.

Code	Trans-former	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO151	TRP 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	280×290×80+8	285×295
AWO203	TRP 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	350×400×90+8	355×405

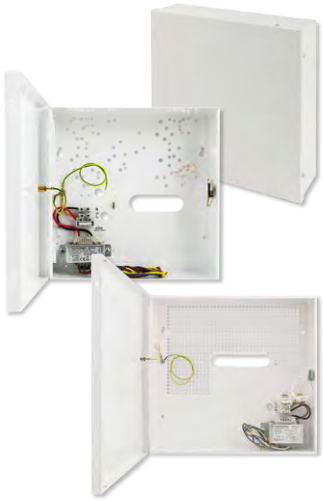


Enclosures for alarm control panels economical version

fitted with transformer of EI series

Universal

Dedicated for control panels DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...



Code	Transformer	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO000EI	EI 20VA	16V/1,2A or 18V/1,0A	7Ah/12V	250×250×80+8	255×255
AWO150EI	EI 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	280×290×80+8	285×295
AWO220EI	EI 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×305×90+8	325×310
AWO200EI	EI 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×400×90+8	325×405
AWO207KON	EI 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×305×90+8	325×310
AWO259KON	EI 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×400×90+8	325×405

SATEL

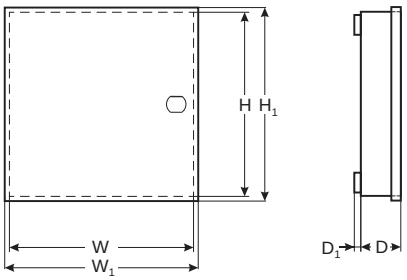
Dedicated for control panels SATEL.

Code	Transformer	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO005EI	EI 20VA	18V/1,0A	7Ah/12V	250×250×80+8	255×255
AWO205EI	EI 40VA	18V/2,0A	17Ah/12V	320×305×90+8	325×310

PARADOX

Dedicated for control panels PARADOX.

Code	Transformer	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO003EI	EI 20VA	16V/1,2A or 18V/1,0A	7Ah/12V	250×250×80+8	255×255
AWO008EI	EI 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	250×250×80+8	255×255
AWO152EI	EI 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	280×290×80+8	285×295
AWO232EI	EI 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×305×90+8	325×310



Enclosures for alarm control panels construction compliant with EN50131, GRADE 3 version

fitted with transformer of TRP / TRZ / EI series *

Universal

Dedicated for control panels DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...

Code	Transformer	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D (D_1) [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO137	TRP 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	290×290×100 (15)	285×295
AWO221	TRP 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	340×300×110 (15)	335×310
AWO191	TRP 50VA	16V/3,0A or 18V/2,8A or 20V/2,5A	17Ah/12V	340×395×110 (15)	335×400

SATEL

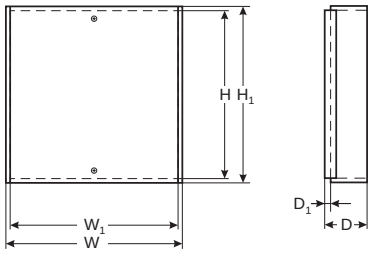
Dedicated for control panels SATEL.

Code	Transformer	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D (D_1) [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO004	TRZ 20VA	16V/1,2A or 18V/1,0A	7Ah/12V	290×280×105 (15)	285×285
AWO213	TRZ 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	330×305×110 (15)	325×310
AWO257	TRZ 50VA	16V/3,0A or 18V/2,8A or 20V/2,5A	17Ah/12V	340×400×110 (15)	335×405
AWO270	EIZ 75VA	20V/3,75A	17Ah/12V	340×400×110 (15)	335×405
AWO306	TRP80VA	16V/5,0A or 18V/4,5A or 20V/4,0A	28Ah/12V	460×550×175 (20)	455×555

PARADOX

Dedicated for control panels PARADOX.

Code	Transformer	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D (D_1) [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO268	TRP 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	340×400×130 (15)	335×405
AWO278	TRP 80VA	16V/5,0A or 18V/4,5A or 20V/4,0A	17Ah/12V	340×400×130 (15)	335×405



* depending on model

Enclosures for alarm control panels
Universal – two-level version

fitted with transformer of TRP series

Dedicated for control panels

DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...

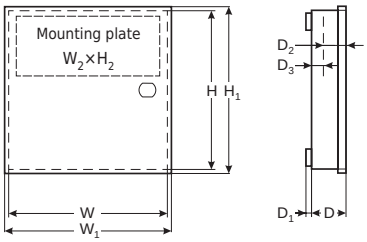
Communication modules

GORKE – ATG; **ROPAM** – BASIC, MULTI GSM; **SATEL** – ETHM, GSM LT1, LT2, GPRS-T1/T2/T4

Two-level security metal enclosures for alarm control panels are designed for mounting motherboard of alarm control panel and input/output security and expansion modules, etc. First level is dedicated for installation of control panels, while second one for communication modules. In addition, installation of expansion modules is also possible. Enclosures are fitted with transformer of TRP series in PC / ABS plastic enclosure – IP30.

Sample product:
AWO220K

2nd level – hinged mounting plate



Code	Trans-former	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D1 [+/- 2mm]	External dimensions of front panel: W1×H1 [+/- 2mm]	Mounting plate dimensions: W2×H2 [+/- 2mm]	Working depth: D2 / D3 [+/- 2mm]
AWO220K	TRP 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	350×350×140+8	355×355	310×135	62/75
AWO200K	TRP 50VA	16V/3,0A or 18V/2,8A or 20V/2,5A	17Ah/12V	350×435×140+8	355×440	310×135	62/75

Enclosures for alarm control panels
RISCO

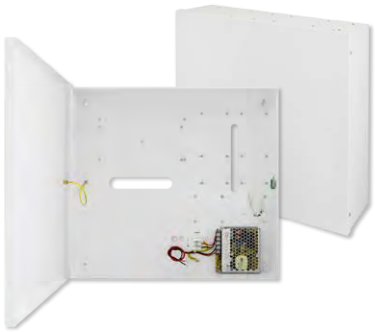
with power supply LRS

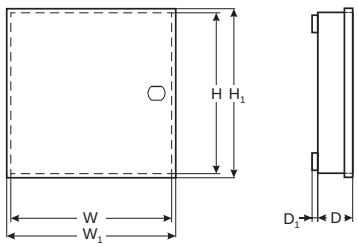
Dedicated for control panels

RISCO

AWO317 metal enclosure is designed as component (supplying) in intruders alarms, security RISCO systems. It is intended for installation:

- control panel boards
- optional additional modules





Code	Power supply	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D1 [+/- 2mm]	External dimensions of front panel: W1×H1 [+/- 2mm]
AWO317	LRS-75-15	14,4VDC/5A	17Ah/12V	430×400×90+8	435×405

Empty enclosures for alarm control panels

without transformer

Universal

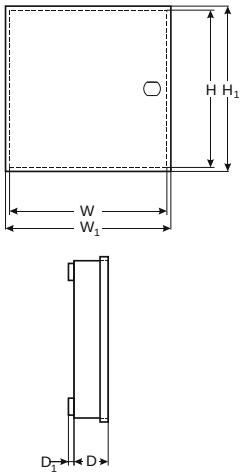
Dedicated for control panels: DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...

Code	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO000PU	7Ah/12V	250×250×80+8	255×255
AWO150PU	7Ah/12V	280×290×80+8	285×295
AWO220PU	17Ah/12V	320×305×90+8	325×310
AWO200PU	17Ah/12V	320×400×90+8	325×405
AWO250PU	17Ah/12V	320×400×120+8	325×405
AWO301PU	24Ah/12V	350×400×170+8	355×405

SATEL

Dedicated for control panels: SATEL.

Code	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO005PU	7Ah/12V	250×250×80+8	255×255
AWO205PU	17Ah/12V	320×305×90+8	325×310
AWO256PU	17Ah/12V	320×400×90+8	325×405



PARADOX

Dedicated for control panels: PARADOX.

Code	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO003PU	7Ah/12V	250×250×80+8	255×255
AWO152PU	7Ah/12V	280×290×80+8	285×295
AWO232PU	17Ah/12V	320×305×90+8	325×310
AWO214PU	17Ah/12V	320×400×90+8	325×405

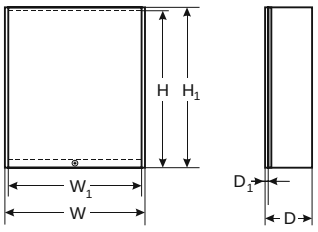
Empty enclosure for alarm control panels SATEL – GRADE 3 version

without transformer

Dedicated for control panels SATEL.

Security metal enclosure for alarm control panels is designed for mounting motherboard of alarm control panel and input/output expansion modules, security modules, relays, etc.
Enclosure in empty version is without transformer - this enclosure has pre-embossed openings for transformer of TRP, TRZ, EI and TOR series. Enclosure compliant with EN50131 (GRADE 3) is used in alarm systems in accordance with EN50131.

Compliant with EN50131



Code	Fitting battery	External dimensions of enclosure: W×H×D (D_1) [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO269PU	17Ah/12V	325×400×100 (15)	323×405

Accessories:

AWO269S

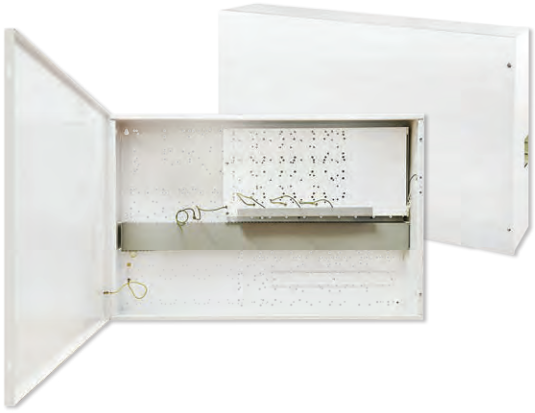
Empty enclosure for alarm control panels
Universal – INTEGRATOR

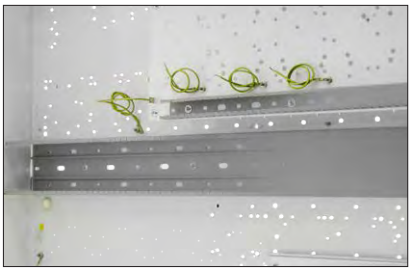
without transformer

Dedicated for control panels

DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...

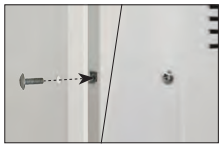
Security metal enclosure for alarm control panels is designed for mounting motherboard of alarm control panel and input/output expansion modules, security modules, relays, etc. Enclosure in empty version is without transformer - this enclosure has pre-embossed openings for transformer of TRP, TRZ, EI and TOR series.
Enclosure is fitted with tamper switch indicating unwanted removal of enclosure from wall, hinged mounting plate and perforated strip.





Tamper indicating enclosure opening – 1 piece

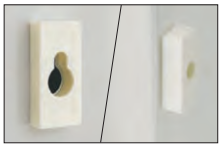
Tamper – enclosure detachment, in plastic cover – 1 piece



Closing – front mounting – 2 pieces

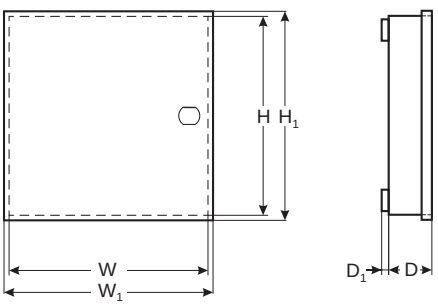
Embossing for a lock (MR008 / MR027)

Removable hinges



Distance from wall plastic – 8mm

Code	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO305	17Ah/12V	835×550×170+8	840×555

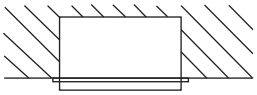


Flush-mounted enclosures for alarm control panels
Universal – standard version

fitted with transformer of TRZ series

Dedicated for control panels

DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...



Security metal enclosures for alarm control panels are designed for mounting motherboard of alarm control panel and input/output expansion modules, security modules, relays, etc. Designed for flush mounting. They are fitted with adjustable flange and removable doors locked with a key for esthetic installation. Enclosures are fitted with transformer of TRZ series in PC / ABS plastic enclosure, cast epoxy resin – IP43.

Sample product:
AWO520

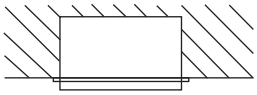
Code	Transformer	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of flange: W_1×H_1 [+/- 2mm]	Working depth: D_2 [+/- 2mm]
AWO500	TRZ 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	310×305×100+8	345×340	80
AWO510	TRZ 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	350×400×100+8	385×430	80
AWO515	TRZ 50VA	16V/3A or 18V/2,8A or 20V/2,5A	17Ah/12V	350×400×100+8	385×430	80
AWO520	TRZ 80VA	16V/5A or 18V/4,5A or 20V/4A	24Ah/12V	350×400×180+8	385×430	160
AWO510VA (PARADOX)	TRZ 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	350×400×100+8	385×430	80

Empty, flush-mounted enclosures for alarm control panels
Universal

without transformer

Dedicated for control panels

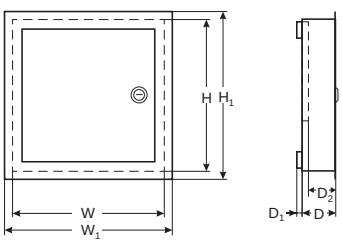
DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...



Security metal enclosures for alarm control panels are designed for mounting motherboard of alarm control panel and input/output expansion modules, security modules, relays, etc. Designed for flush mounting. They are fitted with adjustable flange and removable doors locked with key for esthetic installation. Enclosures in empty version are without transformer - these enclosures have pre-embossed openings for transformer of TRZ series.

Sample product:
AWO510PU

Code	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of flange: W_1×H_1 [+/- 2mm]	Working depth: D_2 [+/- 2mm]
AWO505PU	7Ah/12V	280×290×80	335×335	80
AWO500PU	17Ah/12V	310×305×100+8	345×340	80
AWO510PU	17Ah/12V	350×400×100+8	385×430	80
AWO520PU	24Ah/12V	350×400×180+8	385×430	160



Enclosures for expanders

Universal

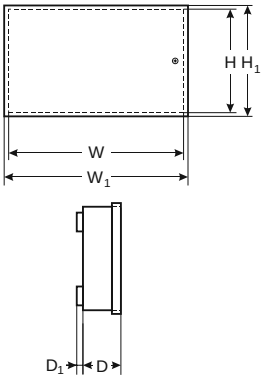
Dedicated for control panels DSC, SATEL, PARADOX, RISCO...

Code	Destination	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO452	DSC, SATEL, PARADOX, RISCO	218×150×50+8	222×155
AWO453	DSC, SATEL, PARADOX, RISCO	262×172×50+8	266×175

SATEL

Dedicated for control panels SATEL.

Code	Destination	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO224	SATEL	17Ah/12V	320×305×90+8	325×310



Enclosures for expanders
GRADE 3 version

construction compliant with EN50131

Universal

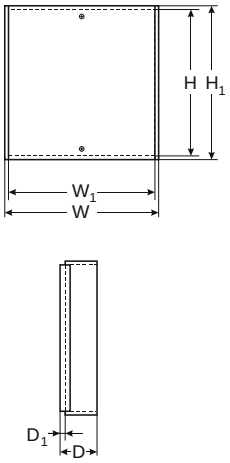
Dedicated for control panels DSC, SATEL, PARADOX, RISCO...

Code	Destination	External dimensions of enclosure: W×H×D (D_1) [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO454	DSC, SATEL, PARADOX, RISCO	297×203×67 (16)	292×207

SATEL

Dedicated for control panels SATEL.

Code	Destination	Fitting battery	External dimensions of enclosure: W×H×D (D_1) [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO229	SATEL	17Ah/12V	330×305×120 (15)	325×310



Enclosures for keypads
Surface-mounted

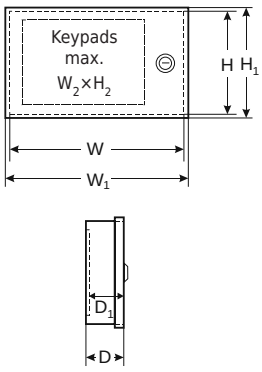
Dedicated for keypads of control panels

DSC, SATEL, PARADOX...

Security metal enclosures for keypads are designed for installation of keypads (drivers) for Intrusion Detection Systems, Access Control systems, etc. Their design provides protection against unauthorized access to keypads (drivers) in public utility buildings.

Sample product:
AWO353

Code	Destination	LED / LCD	Control window	External dimensions of enclosure: W×H×D [+/- 2mm]	External dimensions of front panel: $W_1 \times H_1$ [+/- 2mm]	Keypad mounting dimensions: $W_2 \times H_2 \times D_1$ [+/- 2mm]
AWO350	DSC, FBII, SCANTRONIC, ROKONET, PARADOX, NAPCO, SUMMIT	LED	—	192×132×42	198×137	135×125×32
AWO352	SATEL	LED	—	211×110×42	218×115	155×105×32
AWO359	SATEL, PARADOX, PYRONIX	LED	—	140×135×42	147×140	85×130×32
AWO363	INTERLOGIX, SINTONY, CADDX NETWORX, GALAXY, PARADOX	LED	—	169×190×50	177×195	110×185×41
AWO351	DSC, FBII, SCANTRONIC, ROKONET, PARADOX, NAPCO, SUMMIT, SATEL, CADDX NETWORX	LCD	—	235×135×42	242×140	185×130×32
AWO353	SATEL, PARADOX, GALAXY, VISONIC, PYRONIX, CADDX NETWORX, ROKONET, ELKRON, ADEMCO, PIMA	LCD	—	215×150×50	223×155	160×145×42
AWO360	SATEL, PARADOX, GALAXY, VISONIC, PYRONIX, CADDX NETWORX, ROKONET, ELKRON, ADEMCO, PIMA, FBII	LCD	✓	215×149×50	223×158	160×145×42



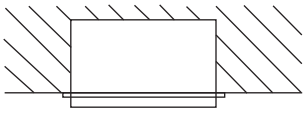
Enclosure for keypads
Flush-mounted

Dedicated for keypads of control panels

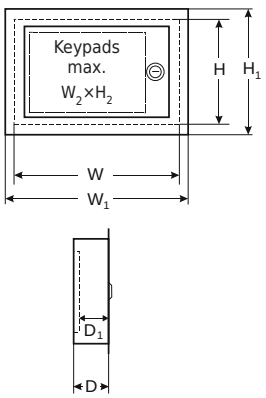
DSC, SATEL, PARADOX...

Security metal enclosure for keypads is designed for installation of keypads (drivers) for Intrusion Detection Systems, Access Control systems, etc. Its design provides protection against unauthorized access to keypads (drivers) in public utility buildings.

Sample product:
AWO356



Code	Destination	LED / LCD	External dimensions of enclosure: W×H×D [+/- 2mm]	External dimensions of flange: $W_1 \times H_1$ [+/- 2mm]	Keypad mounting dimensions: $W_2 \times H_2 \times D_1$ [+/- 2mm]
AWO356	DSC, FBII, SCANTRONIC, ROKONET, PARADOX, NAPCO, SATEL, CADDX NETWORX, GALAXY, VISONIC, PYRONIX, ELKRON, ADEMCO, PIMA, SUMMIT	LED	250×162×61	276×193	185×142×52



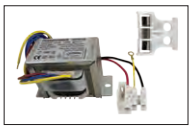
Dedicated for receivers

MESSER, EBS

Metal security enclosures for receivers are designed as supplementary elements for Intrusion Detection Systems, Access Control systems, etc. Dedicated for radio or GSM transmitter mounting systems (event notification). Enclosures are fitted with transformer of EI series.

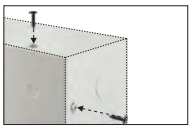
Sample product:
AWO039

Pre-embossed opening
for antenna



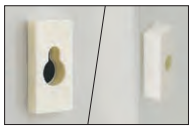
Transformer
of EI series

Tamper indicating
enclosure
opening – 1 piece



Sheet metal
screw closing – 4 pieces

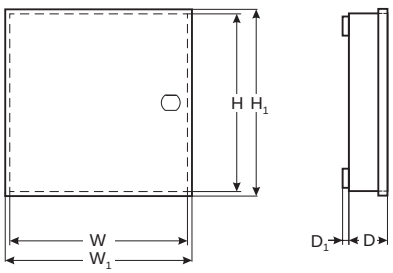
Embossing for a lock
(MR008 / MR027)



Distance from wall
plastic – 8mm

Removable hinges

Code	Destination	Transformer	Power supply output	Fitting battery	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
Enclosure for radio transmitters						
AWO015EI/N	MESSER	EI 20VA	14V/1,4A	7Ah / 12V	250×250×80+8	255×255
Enclosure for GSM transmitters						
AWO039	EBS	EI 20VA	14V/1,4A or 16V/1,2A or 18V/1,0A	7Ah / 12V	250×250×80+8	255×255



Dedicated for Access Control Systems
Bosch

Enclosures are designed for mounting (depending on configuration):
- AMC (Access Modular Controller) of access control system on TH/TS35 (35mm) DIN rail
- power supply of PCB on TH/TS35 (35mm) DIN rail
- additional modules or other devices adapted for mounting on TH/TS35 (35mm) DIN rail
- battery 2×7Ah/12V

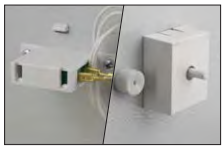
Industrial use

electrolytic galvanized steel sheet DC01, polyester paint – RAL7035 (grey, structural)

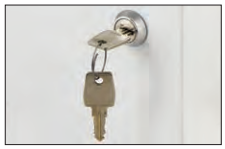
AWO513

AWO514

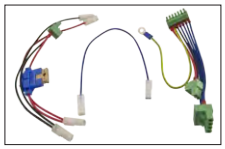
Tamper indicating enclosure opening – 1 piece



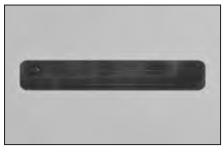
Tamper – enclosure detachment, in metal cover – 1 piece



Lock



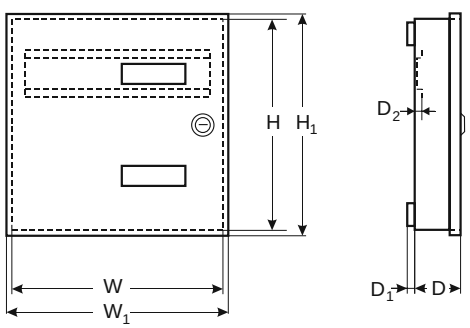
Set of cables included



Control window

DIN rail, screwed down distance 18mm

Code	Number of DIN rails / D_2	Fitting battery	Control window	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO513	1 / 18mm	2×7Ah / 12V	1	405×320×90+14	412×323
AWO514	2 / 18mm	2×7Ah / 12V	2	405×520×90+14	412×523



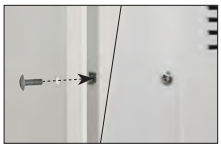
Enclosure for VAS (Voice Alarm Systems)
Enclosure for loudspeaker line supervision system by Bosch

Dedicated for VAS

Bosch: LBB 4442/00, LBB 4441/00, LBB 4443/00, PVA-1WEOL, PLN 1EOL, LBC 1256/00

Enclosure is designed for mounting loudspeaker line supervision systems by Bosch used in Voice Alarm Systems.
Design of enclosure allows mounting Praesideo, Plena, and Paviro systems by BOSCH.
Enclosure is fitted with four cable glands allowing connecting loudspeaker wires with maximum diameter of 10mm.

Sample product:
AWO506

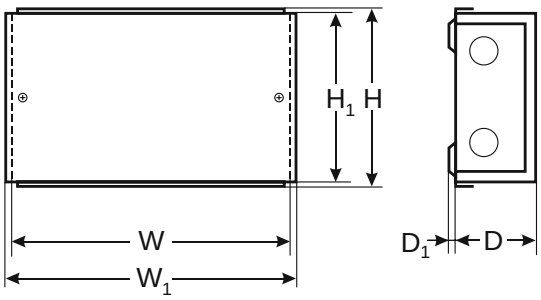


Closing – front mounting – 2 pieces

Rubber cable bushings

Mounting sleeves

Code	Destination	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO506	Bosch: Presideo, Paviro, Plena	150×112×31+3	153×108

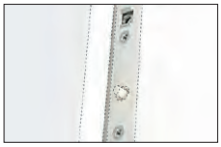


Metal enclosures for batteries
Surface mounted, DIN rail mounted

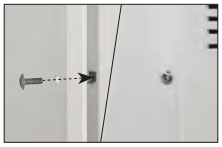
Metal security enclosures for batteries are designed as supplementary elements for Intrusion Detection Systems, Access Control systems, etc.
Dedicated for surface mounting of maintenance-free lead-acid batteries of following capacities: 7Ah / 17Ah / 28Ah / 44Ah / 65Ah. In addition, when using PKAZ107, it is possible to mount enclosures on DIN rail (TH35).
These are enclosures for batteries of following capacities: 7Ah / 17Ah / 28Ah.

Sample product:
AWO401

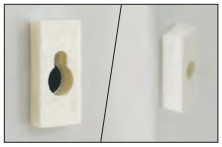
Applies to AWO400, AWO401 and AWO407 enclosures



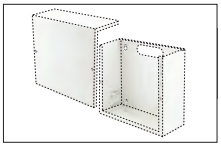
Tamper indicating enclosure opening – 1 piece



Closing – front mounting – 2 pieces



Distance from wall plastic 8mm possibility of disassembling



Removable front cover "KO-3"

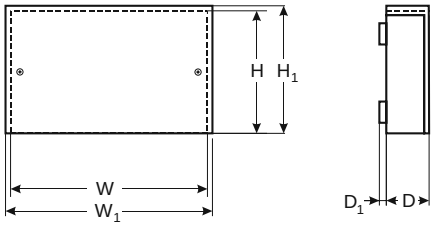
Pre-embossed opening for PKAZ107

PKAZ107

Code	Fitting battery					Surface mounted	DIN rail mounted (Required set: PKAZ107)	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
	7Ah	17Ah	28Ah	44Ah	65Ah				
AWO400	1×	—	—	—	—	✓	✓	176×121×72+8	180×122
AWO401	1×	1×	—	—	—	✓	✓	205×191×82+8	210×192
AWO407	2×	1×	1×	—	—	✓	✓	220×200×132+8	224×201
AWO402	2×	2×	1×	1×	—	✓	—	230×200×175+8	234×203
AWO403	4×	4×	2×	1×	1×	✓	—	390×200×175+8	395×201

Accessories:

PKAZ107

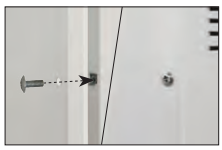


Enclosures for power supply units
Pulsar: PS series
Mean Well: LRS, RS, RSP series

Enclosures AWO383, 384, 385, 386 are designed for power supply units of PS (Pulsar), RS and RSP series (Mean Well). In addition, AWO386 enclosure allows mounting fuse modules of Pulsar company. They protect cables and power supply unit against direct access of unauthorized persons, while providing good ventilation.

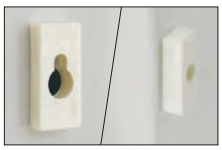
Sample product:
AWO384

Applies to AWO386 enclosure



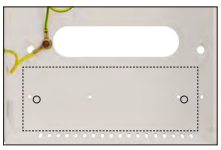
Closing – front mounting – 1 piece

Removable hinges



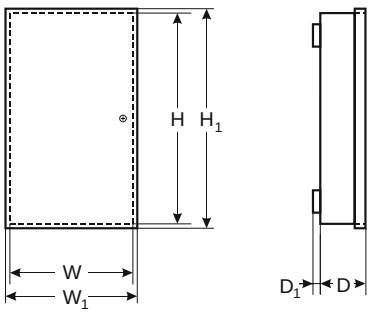
Distance from wall plastic 8mm

Set includes screws for power supply unit



Space for fuse module

Code	Space for power supply unit		Space for fuse module	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
	Pulsar	Mean Well			
AWO383	PS15××××, PS25××××	LRS-35-×× RS-15-××, RS-25-××, RS-35-××	—	128×146×52+8	132×150
AWO384	PS15××××, PS25××××, PS40××××, PS60××××	LRS-35-××, LRS-50-××, LRS-75-××, LRS-100-××, LRS-150-×× RS-15-××, RS-25-××, RS-35-××, RS-50-××, RS-75-××, RS100-××	—	148×203×52+8	152×208
AWO385	PS15××××, PS25××××, PS40××××, PS60××××, PS100××××, PS150××××, PS200××××	LRS-35-××, LRS-50-××, LRS-75-××, LRS-100-××, LRS-150-×× RS-15-××, RS-25-××, RS-35-××, RS-50-××, RS-75-××, RS100-××, RS150-×× RSP-100-××, RSP-150-××, RSP-200-××, RSP-320-××, RSP-500-××	—	176×276×62+8	180×280
AWO386	PS15××××, PS25××××, PS40××××, PS60××××, PS100××××, PS150××××, PS200××××	LRS-35-××, LRS-50-××, LRS-75-××, LRS-100-××, LRS-150-×× RS-15-××, RS-25-××, RS-35-××, RS-50-××, RS-75-××, RS100-××, RS150-×× RSP-100-××, RSP-150-××, RSP-200-××, RSP-320-××, RSP-500-××	**Distribution modules:** • with PTC (polymer) fuse: AWZ573, 574, 575, 577, 578, 579, 585 • with glass fuse: AWZ576, 580, 586, 589, 597, 598 **Distribution modules with technical outputs:** • with PTC (polymer)/glass fuse: AWZ535, 536, 588 • with glass fuse: AWZ595	176×332×62+8	180×335

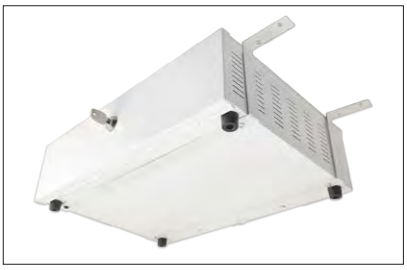


Enclosures for CCTV recorders horizontal

Enclosures protect recorder against unauthorized access or theft. Enclosures are made of 1mm thickness steel. They are equipped with lock and tamper switch, indicating enclosures opening. Due to vertical installation and low depth, they are ideal for places where enclosures of large dimensions, such as cabinets type RACK 19″, cannot be installed.
After opening enclosures, an easy access to buttons on front panel of recorder is provided. Wiring in rear side of recorder can also be easily accessed. To do that, simply remove upper part of enclosure. They are possible to mount enclosures under tabletop using appropriate handles (available as accessory).

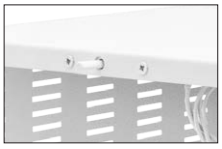
Sample product:
AWO447

Possibility to install
ARAW45 fan



Fixing under tabletop

Lock

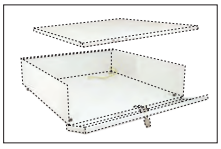


Tamper indicating enclosure opening – 1 piece

Legs length – 20mm

Welded plait hinges – MC-6

Pre-embossed openings for ARAW45



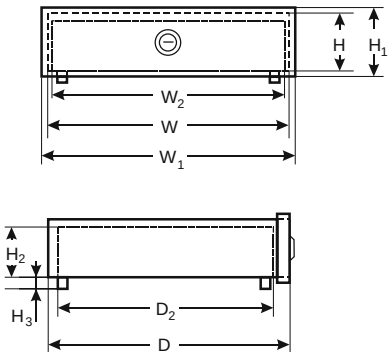
Removable front cover "KO-5"

Code	Bracket	Possibility of mounting ARAW45	External dimensions of enclosure: W×H+H_3×D [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]	Maximum dimensions of recorder: W_2×H_2×D_2 [+/- 2mm]
AWO445	AWO445BR	✓	400×100+20×305	405×110	355×90×235
AWO447	AWO445BR	✓	400×100+20×432	405×110	355×90×360
AWO483	AWO483BR	✓	500×100+20×405	505×110	455×90×335
AWO471	AWO471BR	✓	550×125+20×575	555×135	505×115×505

Accessories:

ARAW45
Fan with temperature sensor 45°C

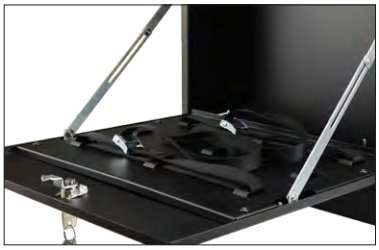
AWO××BR
Enclosure brackets



Enclosures for CCTV recorders vertical

Enclosures protect recorder against unauthorized access or theft. Enclosures are made of 1mm thickness steel.
They are equipped with lock and two tamper switches, indicating enclosures opening and detachment from wall. Due to vertical installation and low depth, they are ideal for places where deeper enclosures or cabinets RACK 19″ type cannot be installed.
After opening enclosures, front cover are held in horizontal position, providing easy access to buttons on front panel of recorder.

Sample product:
AWO529 / AWO529W



Enclosure is fitted with straps for mounting recorder

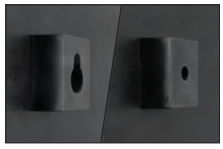
Possibility to install
ARAW45 fan

Lock

Tamper indicating enclosure opening – 1 piece

Tamper switch indicating unwanted removal of enclosure from wall – 1 piece

Hinges



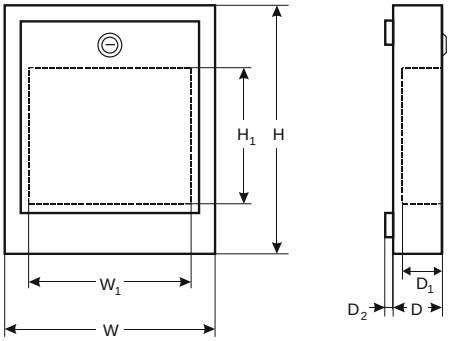
Distance from wall plastic – 14mm

Opening limitation

Code	Colour	Possibility of mounting ARAW45	External dimensions of enclosure: W×H×D+D_2 [+/- 2mm]	Dimensions of recorder space: W_1×H_1×D_1 [+/- 2mm]
AWO528	RAL9005 (black matt)	—	320×430×82+14	260×250×62
AWO528W	RAL9003 (white)	—	320×430×82+14	260×250×62
AWO529	RAL9005 (black matt)	—	435×500×121+14	375×335×102
AWO529W	RAL9003 (white)	—	435×500×121+14	375×335×102
AWO530	RAL9005 (black matt)	✓	535×650×121+14	470×485×102
AWO530W	RAL9003 (white)	✓	535×650×121+14	470×485×102

Accessories:

ARAW45
Fan with temperature sensor 45°C



DIN/RACK metal enclosures
With DIN rails, mounting plates and RACK 19″ profiles

Enclosures can be used as elements integrating installations of CCTV systems, Access Control Systems (ACS), Intrusion Detection Systems (IDS), LAN network, satellite TV, etc. In simplest model, it is possible to mount devices in DIN rail. Next model is fitted with hinged mounting plate for mounting electronic boards (control panels, access control panels). Top model is enhanced with RACK 19″ profiles, which allow mounting of shallow devices with RACK 19″ brackets.

Industrial use

electrolytically galvanized steel DC01, polyester paint – RAL7035 (grey, structural)

AWO610

AWO620

AWO630

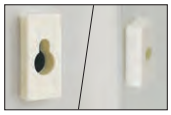
Applies to AWO610/620

Tamper indicating enclosure opening – 1 piece

Closing – front mounting

Embossing for lock (MR008 / MR027)

Removable hinges



Distance from wall plastic 8mm possibility of disassembling

Mounting plate

Applies to AWO620/630
Hinged steel sheet

Applies to AWO630

Lock

Removable hinges

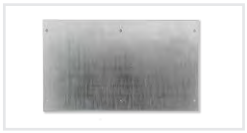
Possible mounting of 35mm spacing rails to keep distance from wall

RACK 19″ profiles - vertical / horizontal

Code	Mounting plate for transformer or power supply unit	Hinged mounting plate (second level)	RACK 19″ profiles	Fitting battery	Number of DIN rails / length / number of „S" fields	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO610	✓	—	—	17Ah/12V	1 / 320mm / 18	350×360×92+8	358×365
AWO620	✓	✓ (300×195)	—	2×17Ah/12V	2 / 320mm / 18	350×510×165+8	358×515
AWO630	✓	✓ (415×170)	✓	65Ah/12V	3 / 480mm / 26	540×650×200+35	—

Accessories:

AWO620DIN
Rail for DIN2 315mm
AWO630DIN
Rail for DIN3 480mm



AWO620PL
Mounting plate for DIN2 320×180mm
AWO630PL
Mounting plate for DIN3 485×320mm

AWO630PLO
Hinged plate for DIN3 410×170mm

AWO630RACK
Bracket DIN3 RACK 4U (1 set)

RAS4
Screw set RACK 4 pieces

Enclosures with DIN rails
Surface-mounted

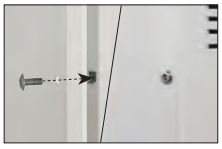
Enclosure can be used as element integrating electrical installations, automation systems, CCTV, Access Control Systems (ACS), Intrusion Detection Systems (IDS), etc. Dedicated for devices mounted on DIN rail (TH35mm).

Sample product:
AWO613

Industrial use

electrolytically galvanized steel DC01, polyester paint – RAL7035 (grey, structural)

Tamper – unwanted enclosure opening – 1 piece

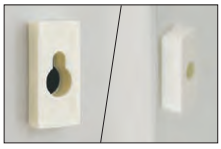


Closing – front mounting

DIN rail, screwed down

Pre-embossed opening for lock (MR008, MR027)

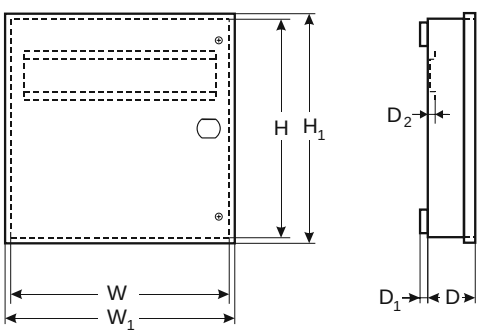
Removable hinges



Distance from wall plastic – 8mm

Code	Number of DIN rails / length / number of „S" fields	Fitting battery	Destination	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]
AWO611 *	1 / 130mm / 7	—	Standard + Mean Well	200×220×150+8	205×225
AWO612	2 / 330mm / 18	2×17Ah/12V	Standard + Mean Well	375×410×145+8	382×415
AWO613	3 / 330mm / 18	2×17Ah/12V	Standard + Mean Well	375×585×145+8	382×590
AWO622	2 / 330mm / 18	2×17Ah/12V	Standard	375×355×95+8	382×360
AWO623	3 / 330mm / 18	2×17Ah/12V	Standard	375×500×95+8	382×505
AWO624	4 / 330mm / 18	2×17Ah/12V	Standard	375×645×95+8	382×650

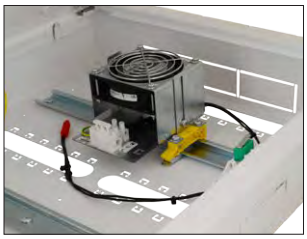
* - finish: heet metal DC01, RAL 9003 (white)



Enclosures with DIN rails
Flush-mounted

Enclosures can be used as element integrating electrical installations, automation systems, CCTV, Access Control Systems (ACS), Intrusion Detection Systems (IDS), etc. Dedicated for devices mounted on DIN rail (TH35mm).

For enclosures with ventilation RAWDIN – fan with sensor



Industrial use

electrolytically galvanized steel DC01, polyester paint – RAL7035 (grey, structural)

Flush-mounted

Sample product:
AWO613P

Flush-mounted with ventilation

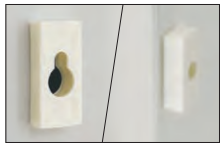
Sample product:
AWO613PW

Tamper – unwanted enclosure opening – 1 piece

Lock

Pre-embossed openings for cables

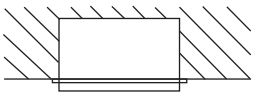
Spring hinges - quick disassembly

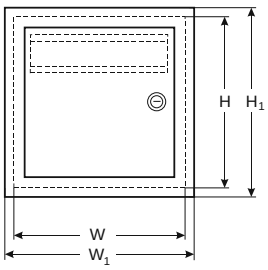


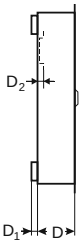
Distance from wall plastic – 8mm

Removable flange

Code	Number of DIN rails / length / number of „S" fields	Fitting battery	Destination	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of flange: W_1×H_1 [+/- 2mm]
Flush mounted					
AWO612P	2 / 330mm / 18	2×17Ah/12V	Standard + Mean Well	375×410×143+8	410×445
AWO613P	3 / 330mm / 18	2×17Ah/12V	Standard + Mean Well	375×585×143+8	410×620
AWO614P	4 / 330mm / 18	2×17Ah/12V	Standard + Mean Well	375×645×143+8	410×680
AWO622P	2 / 330mm / 18	2×17Ah/12V	Standard	375×410×93+8	410×445
AWO623P	3 / 330mm / 18	2×17Ah/12V	Standard	375×585×93+8	410×620
AWO624P	4 / 330mm / 18	2×17Ah/12V	Standard	375×645×93+8	410×680
Flush mounted with ventilation					
AWO612PW	2 / 330mm / 18	2×17Ah/12V	Standard + Mean Well	375×410×143+8	410×445
AWO613PW	3 / 330mm / 18	2×17Ah/12V	Standard + Mean Well	375×585×143+8	410×620
AWO614PW	4 / 330mm / 18	2×17Ah/12V	Standard + Mean Well	375×645×143+8	410×680
AWO622PW	2 / 330mm / 18	2×17Ah/12V	Standard	375×410×93+8	410×445
AWO623PW	3 / 330mm / 18	2×17Ah/12V	Standard	375×585×93+8	410×620
AWO624PW	4 / 330mm / 18	2×17Ah/12V	Standard	375×645×93+8	410×680







Teletechnical enclosures
Residential – surface mounted – TOM

Residential teletechnical enclosures allow integrate elements of computer network, telephone network, television network (TV, SAT), fiber-optic network and other telecommunication installations in public buildings and collective residential buildings.

Industrial use

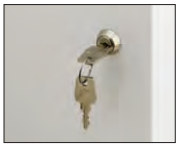
electrolytically galvanized steel DC01, polyester paint RAL9003 (white)

Sample product: AWO805Z

Lock

Sample product: AWO805C

Click

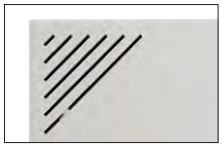


Key lock closing

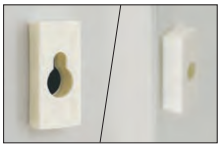
"Click" – type closing

Mounting shelf

Mounting plate PVC – foam

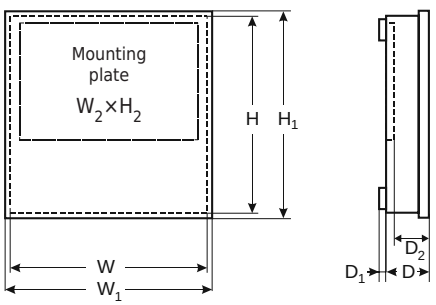


Enclosure ventilation



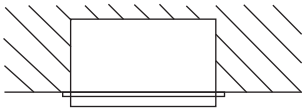
Distance from wall (plastic) – 8mm

Code	Closing	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]	PVC mounting plate dimensions: W_2×H_2 [+/- 2mm]	Working depth: D_2 [+/- 2mm]
AWO804Z	Lock	245×295×95+8	250×300	195×175	90
AWO805Z	Lock	295×345×95+8	300×350	245×205	90
AWO806Z	Lock	345×395×95+8	350×400	295×235	90
AWO805C	Click	295×345×95+8	300×350	245×205	90



Teletechnical enclosures
Residential – flush mounted – TOM

Residential teletechnical enclosures allow integrate elements of computer network, telephone network, television network (TV, SAT), fiber-optic network and other telecommunication installations in public buildings and collective residential buildings.



Industrial use

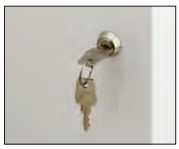
electrolytically galvanized steel DC01, polyester paint RAL9003 (white)

Sample product: AWO802Z

Lock

Sample product: AWO802C

Click

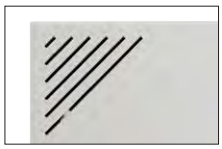


Key lock closing

"Click" – type closing

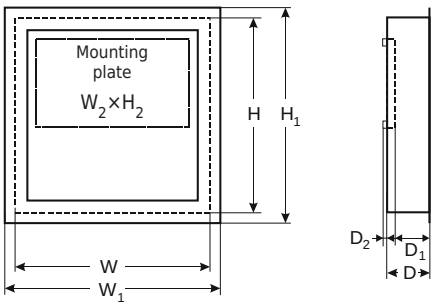
Mounting shelf

Mounting plate PVC– foam



Enclosure ventilation

Code	Closing	External dimensions of enclosure: W×H×D+D_2 [+/- 2mm]	External dimensions of front panel: W_1×H_1 [+/- 2mm]	PVC mounting plate dimensions: W_2×H_2 [+/- 2mm]	Working depth: D_1 [+/- 2mm]
AWO801Z	Lock	245×295×80+5	280×330	195×175	70
AWO802Z	Lock	295×345×90+5	330×380	245×205	80
AWO803Z	Lock	345×395×90+5	380×430	295×235	80
AWO801C	Click	245×295×80+5	280×330	195×175	70
AWO802C	Click	295×345×90+5	330×380	245×205	80
AWO803C	Click	345×395×90+5	380×430	295×235	80



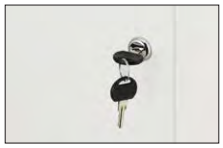
Teletechnical enclosures
Universal with plywood mounting – TUN

TUN enclosures can be used as element integrating TV / SAT installations, (multiswitch, amplifier, splitters and taps), CCTV, Access Control Systems (ACS), Intrusion Detection Systems (IDS), automation etc.

Sample product:
AWO654

Industrial use

electrolytically galvanized steel DC01, polyester paint RAL9003 (white)

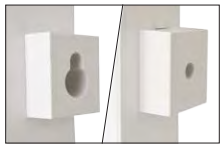


Lock RAZB16
same code

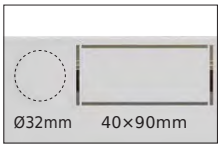
Mounting plate
waterproof plywood

Removable back
mounting plate
4 pieces – M4×12

Door – left / right
Quick removable

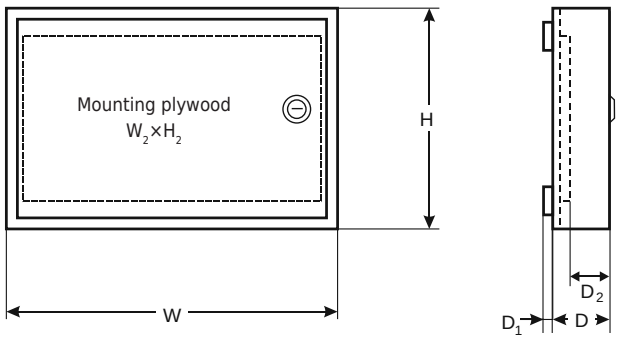


Distance from wall (plastic)
– 14mm possibility
of disassembling



Knock-outs Top/Bottom
Ø32mm / 40×90 mm
depend on model

Code	Pre-embossed opening, Top/Bottom	External dimensions of enclosure: W×H×D+D_1 [+/- 2mm]	Assembly plywood dimensions: W_1×H_1 [+/- 2mm]	Working depth: D_2 [+/- 2mm]
AWO652	2 pieces – Ø32mm	300×300×100+14	230×200	80
AWO653	2 pieces – Ø32mm	400×300×100+14	330×200	80
AWO654	4 pieces – Ø32mm	480×360×140+14	410×260	120
AWO655	2 pieces – Ø32mm, 1 piece – 40×90mm	560×420×140+14	490×320	120
AWO656	2 pieces – Ø32mm, 1 piece – 40×90mm	640×480×180+14	570×380	160
AWO657	2 pieces – Ø32mm, 1 piece – 40×90mm	720×540×220+14	650×440	200



Enclosures with cable frame

Enclosures are used in ICT and telecommunication sectors. They are designed to store excessive fiber optic cable. Enclosures are compliant with requirements of ZN96/TPSA-009 standard.

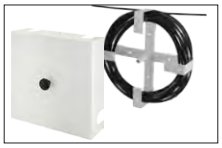
Enclosures consist of two parts - cover and frame. Cross-shaped frame allows storing excessive cable while maintaining safe bending radius. Possibility of coiling of up to 120 meters of fiber optic cable, depending on its diameter.

Cover protects cable against mechanical damage. Cover is mounted with single screw.

Sample product:
AWO644

Wall mounting
– 4 screws

120 meter
spare cable

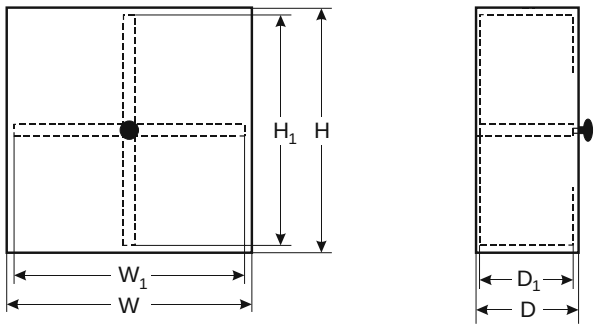


Metal enclosure
(Cable protection)

Cable outlet

Knob
ø40mm / M8×16

Code	External dimensions of enclosure: W×H×D [+/- 2mm]	Frame dimensions: W_1×H_1×D_1 [+/- 2mm]
AWO644	400×400×105	395×395×90
AWO646	600×600×105	590×590×90



Fire safety instructions box

Cabinet is designed for storage of fire safety instructions. Enclosure design allows multiple opening without need for quick replacement because window is made of plastic instead of glass. This product can also be used as cabinet for other documentation, building plans, etc.

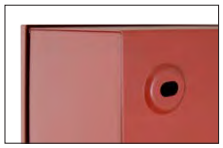
AWO676

Lock

Tamper indicating enclosure opening – 1 piece

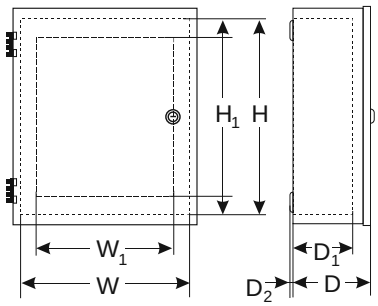
Key window

Porcelain screw connection in cabinet



Distance from wall - 5mm

Code	Application	Dimensions of storage space for documents: $W_1 \times H_1 \times D_1$ [+/- 2mm]	External dimensions of enclosure: $W \times H \times D + D_2$ [+/- 2mm]
AWO676	Documents: • Fire safety instructions • VAS documentation • Building plans	285×330×100	310×365×130+5



Enclosure for evacuation door key

Enclosure is designed to store evacuation door key. Enclosure design allows multiple opening without need for quick replacement because window is made of plastic instead of glass.

AWO675

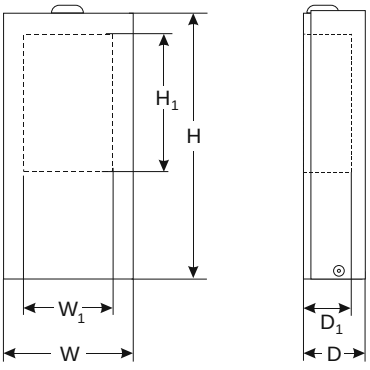
Lock

Tamper indicating enclosure opening – 1 piece

Key window

Porcelain screw connection in cabinet

Code	Application	Key space dimensions: $W_1 \times H_1 \times D_1$ [+/- 2mm]	External dimensions of enclosure: $W \times H \times D$ [+/- 2mm]
AWO675	evacuation door key	65×100×30	95×195×43

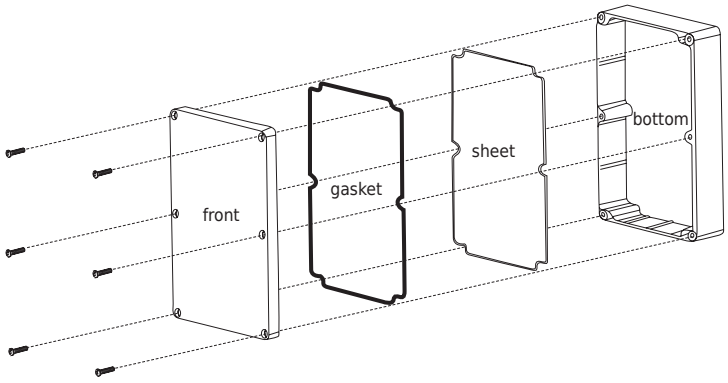


Plastic enclosures IP65 with mounting plate AWO series

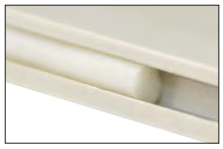
For mounting devices that require IP65 protection class, with mounting plate.

AWO603

AWO604



Closing – front mounting – 4/6 pieces



Gasket

Removable back mounting plate

IP65

Hermetic enclosure IP65

ABS

Material: ABS

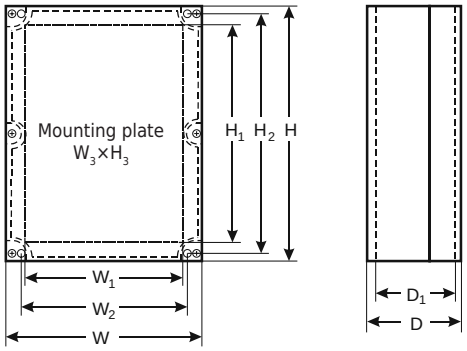
Code	External dimensions of enclosure: W×H×D [+/- 2mm]	Internal dimensions of enclosure: W_1×H_1×D_1 [+/- 2mm]	Mounting dimensions of enclosure: W_2×H_2 [+/- 2mm]	Mounting plate dimensions: W_3×H_3 [+/- 2mm]
AWO603	160×160×90	123×152×77	145×125	150×110
AWO604	184×263×96	157×236×83	153×251	157×235

Accessories:

ML146
(M12×1.5)

ML147
(M16×1.5)

ML145
(M20×1.5)

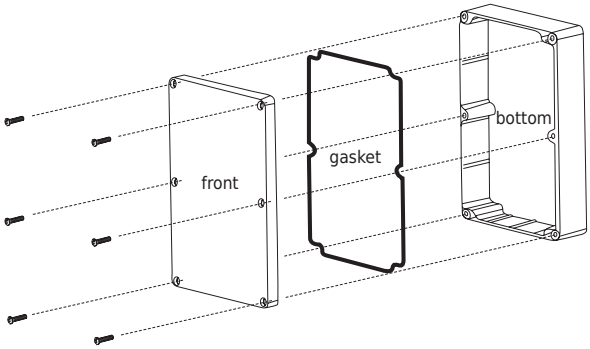


Plastic enclosures IP65 without mounting plate AWP series

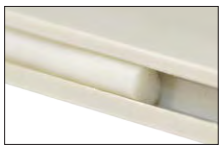
For mounting devices that require IP65 protection class.

Sample product:
AWP161609

Sample product:
AWP261809



Closing – front mounting – 4/6 pieces



Gasket

IP65

Hermetic enclosure IP65

ABS

Material: ABS

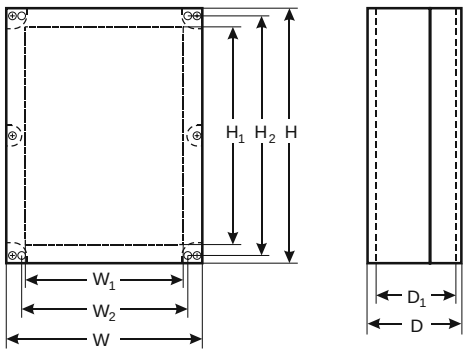
Code	External dimensions of enclosure: W×H×D [+/- 2mm]	Internal dimensions of enclosure: W_1×H_1×D_1 [+/- 2mm]	Mounting dimensions of enclosure: W_2×H_2 [+/- 2mm]
AWP190805	80×195×55	54×170×50	48×182
AWP161609	160×160×90	152×122×80	126×145
AWP261809	185×265×95	158×237×85	152×252

Accessories:

ML146
(M12×1.5)

ML147
(M16×1.5)

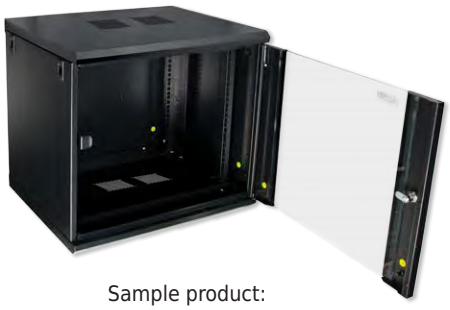
ML145
(M20×1.5)



RACK 19″ cabinets – wall mounted, ready-to-assemble
RWA series
600×450 / 600×600

RACK 19″

RACK 19″ cabinets enable integrating CCTV, AC, I&HAS, RTV, LAN, or other systems in small companies or households. They are intended for devices manufactured in enclosures of 19″ standard. Due to RACK cabinets, devices are aesthetically mounted and protected against mechanical damage.

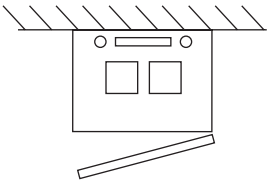


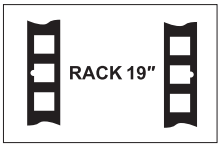
Sample product:
RWA954GD

Help:

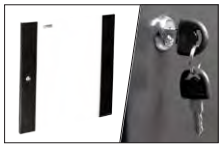
• Use CONFI-RACK®
Available on www.pulsar.pl

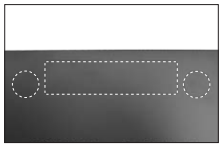
CONFI® RACK

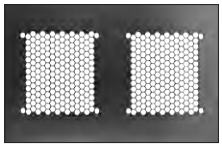




Standard RACK 19″

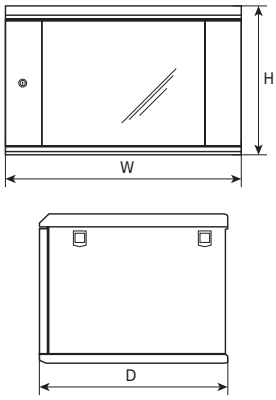

Front door: 5mm toughened glass + lock


Pre-embossed opening 200×50mm, 2×Ø40mm

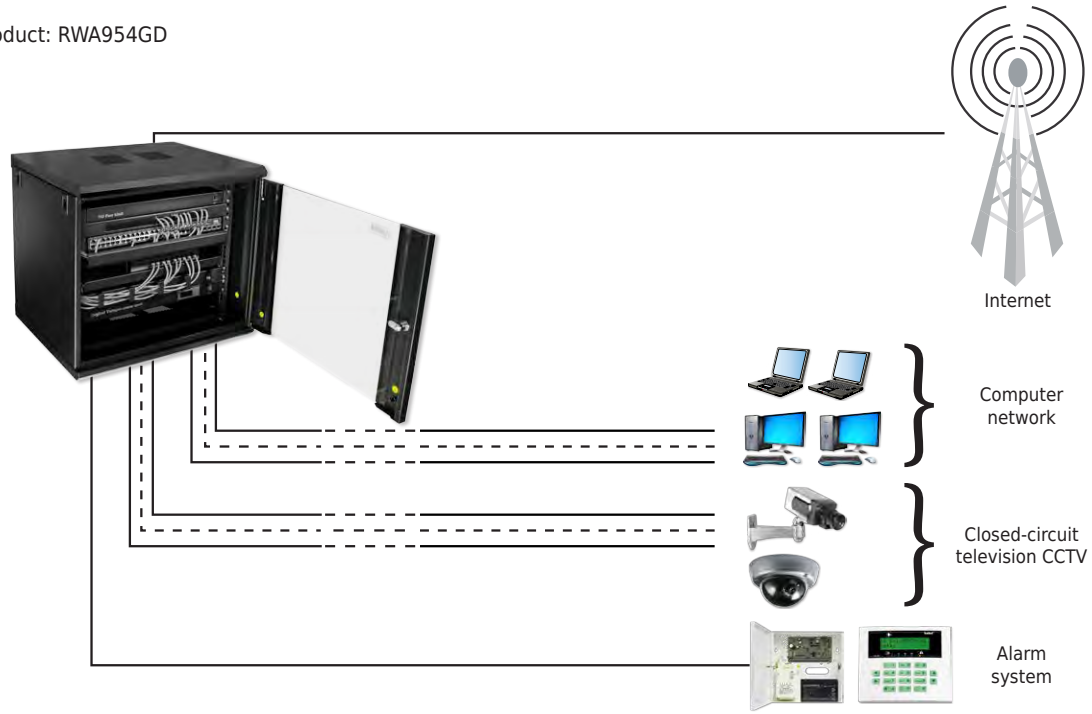

Ventilation

Ready-to-assemble

Code	Static load	Mounting dimensions $W_M \times H_M$	External dimensions W×H×D [mm]
600×450			
RWA654GD	60kg	19″×6U	560×368×450
RWA954GD	60kg	19″×9U	560×501×450
RWA1254GD	60kg	19″×12U	560×635×450
600×600			
RWA656GD	60kg	19″×6U	560×368×600
RWA956GD	60kg	19″×9U	560×501×600
RWA1256GD	60kg	19″×12U	560×635×600



Sample product: RWA954GD



RACK 19″ cabinets – wall mounted, fully assembled
RW series
600×450 / 600×600

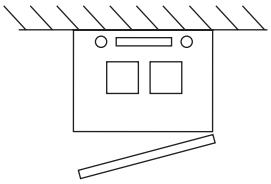
RACK 19″

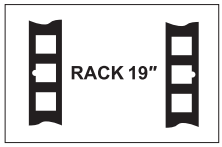
RACK 19″ cabinets enable integrating CCTV, AC, I&HAS, RTV, LAN, or other systems in small companies or households. They are intended for devices manufactured in enclosures of 19" standard. Due to RACK cabinets, devices are aesthetically mounted and protected against mechanical damage.

Sample product:
RW964GD

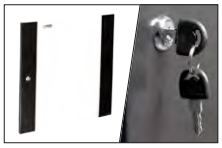
Help:
• Use CONFI-RACK®
Available on www.pulsar.pl

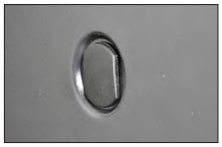
CONFI® RACK

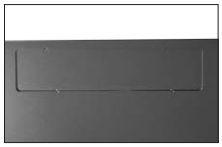


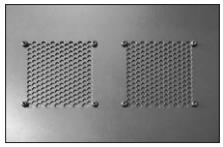


Standard RACK 19″


Front door: 5mm toughened glass + lock

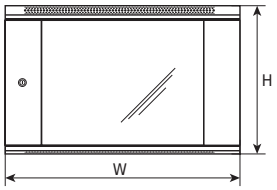

Pre-embossed opening RAZB16 side lock

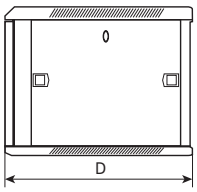

Pre-embossed opening 250×60mm


Ventilation

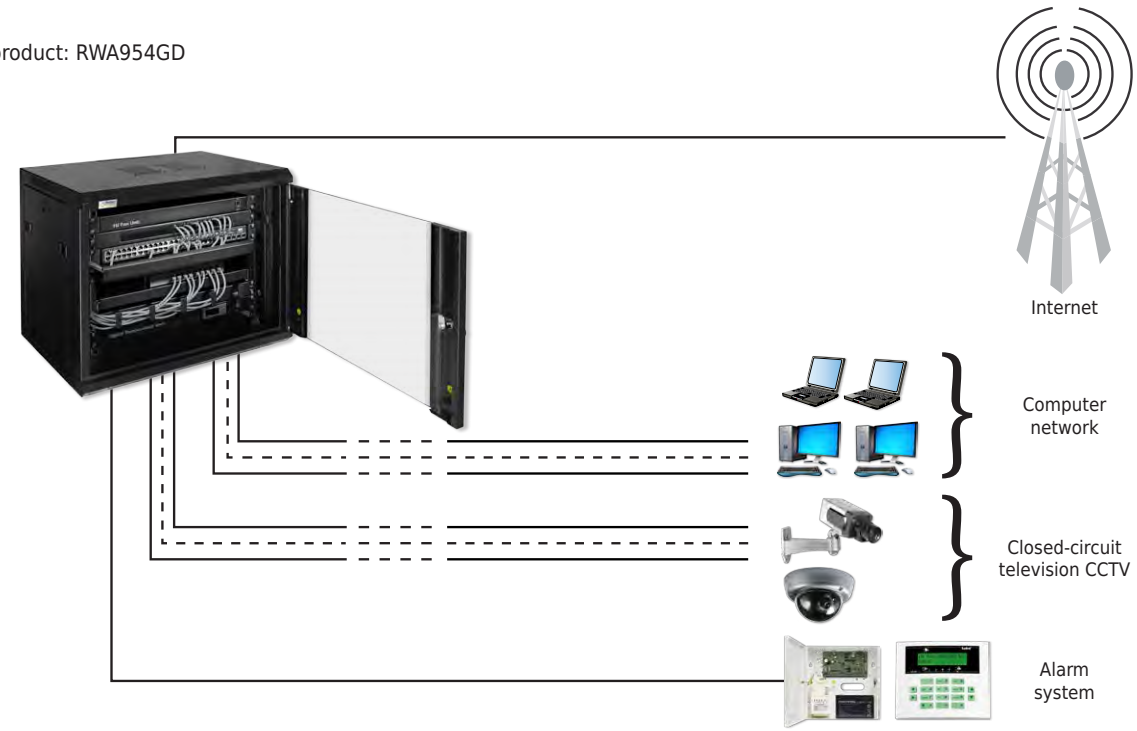
Fully assembled

Code	Static load	Mounting dimensions $W_M \times H_M$	External dimensions W×H×D [mm]
600×450			
RW664GD	60kg	19″×6U	600×368×450
RW964GD	60kg	19″×9U	600×501×450
RW1264GD	60kg	19″×12U	600×635×450
600×600			
RW666GD	60kg	19″×6U	600×368×600
RW966GD	60kg	19″×9U	600×501×600
RW1266GD	60kg	19″×12U	600×635×600
RW1566GD	60kg	19″×15U	600×770×600





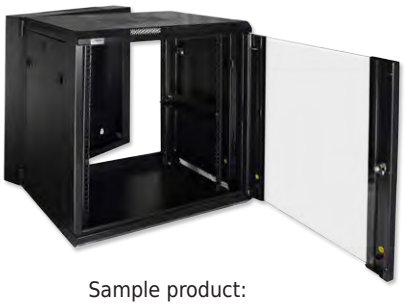
Sample product: RWA954GD



RACK 19″ cabinets – suspended double - fully assembled
RWD series
600×600

RACK 19″

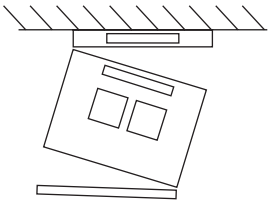
RACK 19″ cabinets enable integrating CCTV, AC, I&HAS, RTV, LAN, or other systems in small companies or households. They are intended for devices manufactured in enclosures of 19" standard. Due to RACK cabinets, devices are aesthetically mounted and protected against mechanical damage.



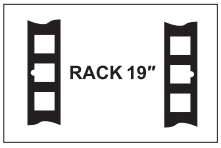
Sample product:
RWD1266GD

Help:
• Use CONFI-RACK®
Available on www.pulsar.pl

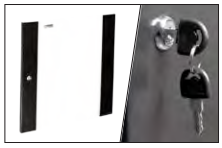
CONFI® RACK



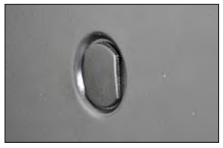
Two-section design



Standard RACK 19″

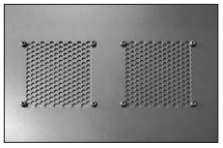


Front door: 5mm toughened glass + lock



Possibility of mounting RAZB16 side lock

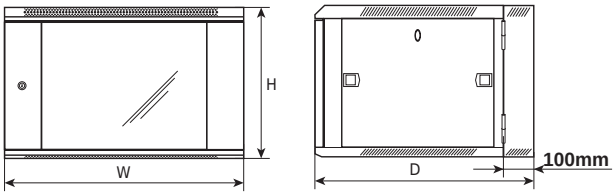
Pre-embossed opening 250×60mm



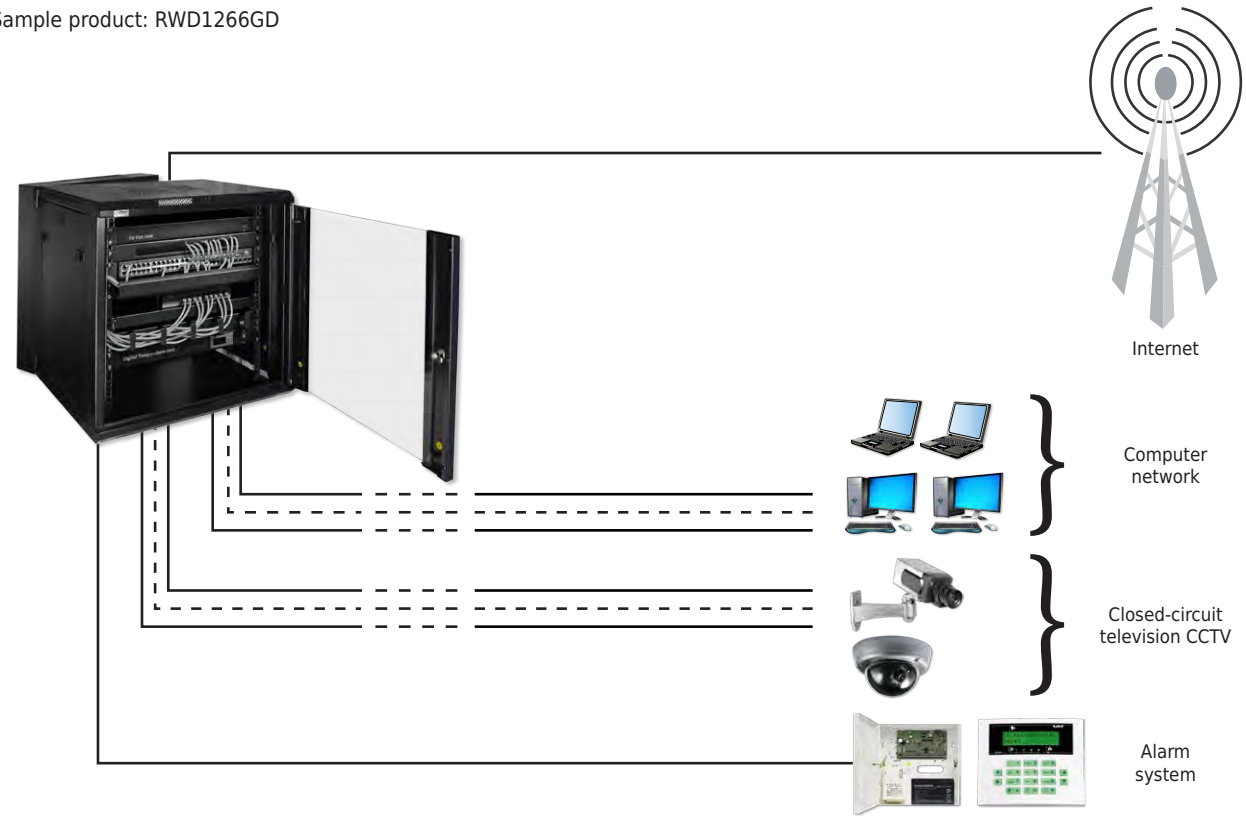
Ventilation

Fully assembled

Code	Static load	Mounting dimensions $W_M \times H_M$	External dimensions W×H×D [mm]
600×600			
RWD666GD	60kg	19″×6U	600×368×600
RWD966GD	60kg	19″×9U	600×501×600
RWD1266GD	60kg	19″×12U	600×635×600



Sample product: RWD1266GD



RACK 19″ cabinets – floor standing, ready-to-assemble
RS series
600×600 / 600×800 / 600×1000 / 800×800 / 800×1000

RACK 19″

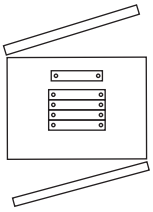
RACK 19″ cabinets enable integrating CCTV, AC, I&HAS, RTV, LAN, or other systems in medium and big companies. They are intended for devices manufactured in enclosures of 19'' standard. Due to RACK cabinets, devices are aesthetically mounted and protected against mechanical damage.

Sample product:
RS2768GD

Help:

• Use CONFI-RACK®
Available on www.pulsar.pl

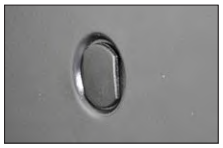
CONFI® RACK



Standard RACK 19″

Front door: 5mm toughened glass + lock

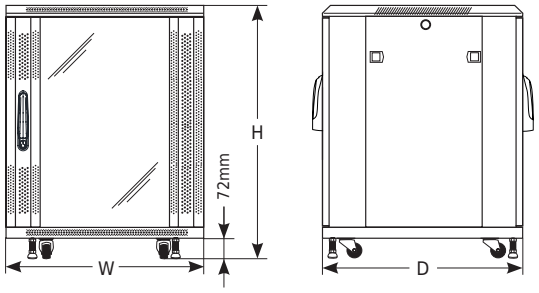
Rear door full sheet + lock RAZ-S


Possibility of mounting RAZB16 side lock

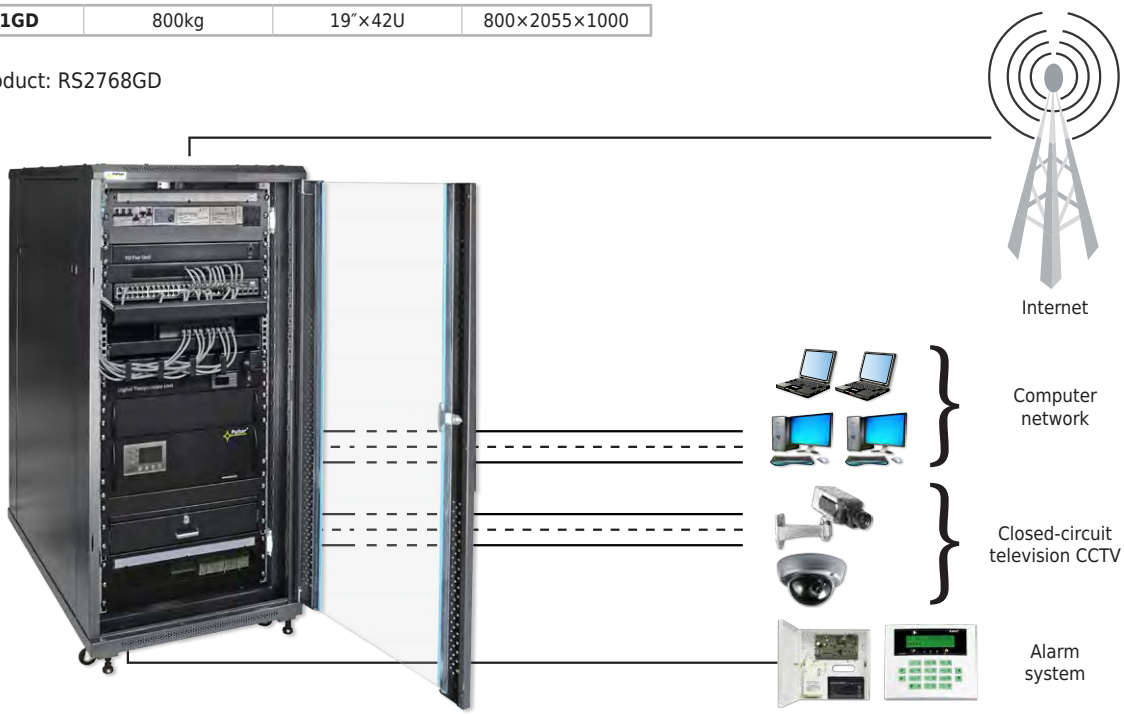
Ventilation holes / End caps

Ready-to-assemble

Code	Static load	Mounting dimensions $W_M \times H_M$	External dimensions W×H×D [mm]
600×600			
RS1566GD	800kg	19″×15U	600×855×600
RS2266GD	800kg	19″×22U	600×1166×600
600×800			
RS2768GD	800kg	19″×27U	600×1388×800
RS4268GD	800kg	19″×42U	600×2055×800
800×1000			
RS2761GD	800kg	19″×27U	600×1388×1000
RS4261GD	800kg	19″×42U	600×2055×1000
800×800			
RS4288GD	800kg	19″×42U	800×2055×800
800×1000			
RS4281GD	800kg	19″×42U	800×2055×1000



Sample product: RS2768GD



RACK 19″ cabinets – floor standing, fully assembled
ZRS series
600×600 / 600×800 / 600×1000

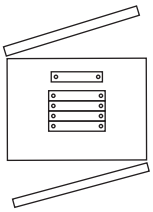
RACK 19″

RACK 19″ cabinets enable integrating CCTV, AC, I&HAS, RTV, LAN, or other systems in medium and big companies. They are intended for devices manufactured in enclosures of 19'' standard. Due to RACK cabinets, devices are aesthetically mounted and protected against mechanical damage.

Sample product:
ZRS2266GD

Help:
• Use CONFI-RACK®
Available on www.pulsar.pl

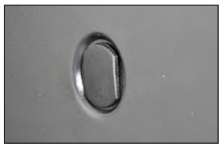
CONFI® RACK



Standard RACK 19″

Front door: 5mm toughened glass + lock

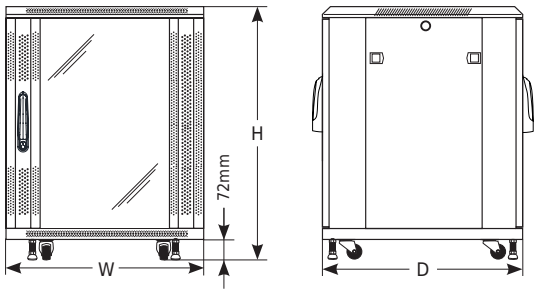
Rear door full sheet + lock RAZ-S


Possibility of mounting RAZB16 side lock

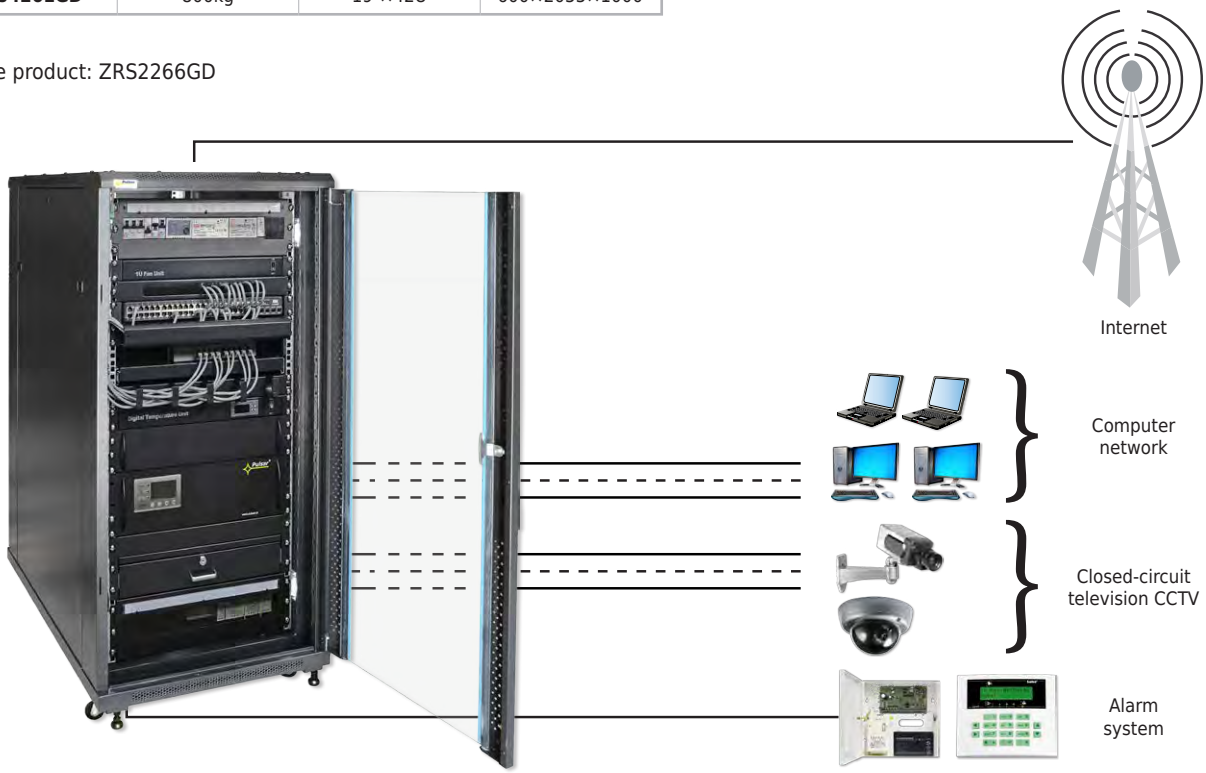
Ventilation holes / End caps

Fully assembled

Code	Static load	Mounting dimensions $W_M \times H_M$	External dimensions W×H×D [mm]
600×600			
ZRS1566GD	800kg	19″×15U	600×855×600
ZRS2266GD	800kg	19″×22U	600×1166×600
600×800			
ZRS2768GD	800kg	19″×27U	600×1388×800
ZRS4268GD	800kg	19″×42U	600×2055×800
600×1000			
ZRS2761GD	800kg	19″×27U	600×1388×1000
ZRS4261GD	800kg	19″×42U	600×2055×1000



Sample product: ZRS2266GD

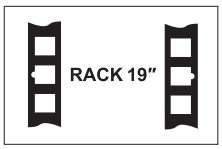


Accessories for RACK 19″ cabinets
Enclosure for alarm control panel – vertical
RACK 19″

RACK 19″

RAWO7 metal enclosure is designed for mounting alarm control panel and input/output modules in RACK 19" cabinets. This enclosure is fitted with removable mounting plate (level I) and removable hinged mounting plate (level II). Enclosure has place for single 7Ah / 12V battery. Mounting plate (level I) has pre-embossed openings for transformer of TOR / TRP / and TRZ series and built-in power supply units of PS / PSB / and PSBOC series by Pulsar. Hinged mounting plate (level II) has openings for control panels and expansion modules from following companies: DSC, PARADOX, RISCO, SATEL, PYRONIX, CROW, and ROGER.

RAWO7



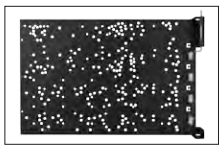
Standard RACK 19″

Tamper – unwanted enclosure opening × 2

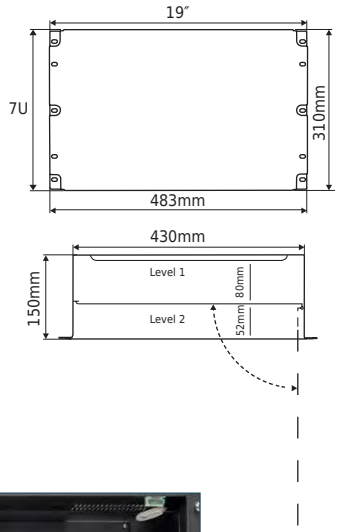
Removable hinges

Grommets

Mounting sheet – for transformer mounting + place for battery


Mounting plate – hinged

Code	Static load	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]
RAWO7	20kg	19″×7U	430×310×150



RAWO7

Possible to be mounted inside enclosure:

Transformer

Battery

Alarm control panel

Modules

Accessories:

ARAP16P / ARAP21P
MM019 / MM020

Accessories for RACK 19″ cabinets
Enclosures for alarm control panel – horizontal, sliding RACK 19″

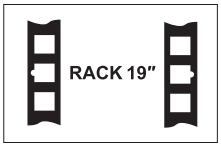
RACK 19″

RACK security enclosures are designed for mounting alarm control panel and input/output modules in free-standing RACK 19″ cabinets with depths in range from 800 to 1000mm. They consist of two elements:

1. Patch panel is used to switch between YTDY 6×0.5 cable with copper cores and elastic cable supplying signals and power to control panel.
2. Pull out enclosure with 2U / 4U height – alarm control panel and input / output modules are mounted in this section – with space for 7Ah / 17Ah battery, transformer and ARAW45 fan (transformer and fan are not included).

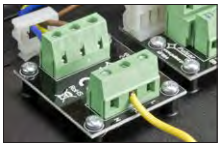
Universal holes in enclosure allow mounting control panels and expansion modules of following companies: DSC, PARADOX, RISCO, SATEL, PYRONIX, CROW, ROGER.

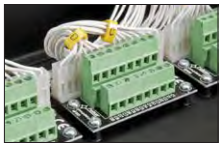
Sample product:
ARAD-S4



Standard RACK 19″

Fitting
battery 7Ah


230V connector


Low-voltage connectors
3 (6) plates – 8×2 cores

Tamper
indicating
pulling out of
enclosure

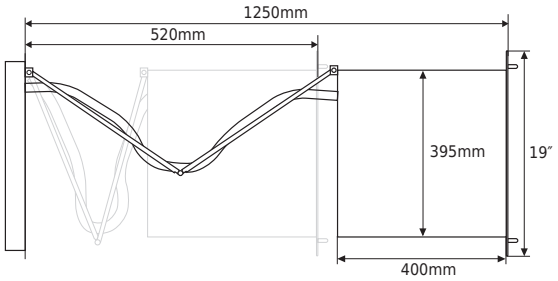
Tamper – unwanted
enclosure opening

Tamper
indicating patch
panel opening

Code	Signal wires (pairs × cross-section)	Number of PCB boards	Maximum current	Fitting battery	Mounting dimensions $W_M \times H_M$	Mounting plate Level 1	Hinge mounting plate Level 2
ARAD-S2	24×0,5	3	1,5A / 30VDC	7Ah / 12V	19″×2U	✓	–
ARAD-S4	48×0,5	6	1,5A / 30VDC	17Ah / 12V	19″×4U	✓	✓

For mounting inside RACK cabinet, use ARAS rails. Accordingly to cabinet's depth:

- ARAS800 for RACK cabinets, depth: D=800
- ARAS1000 for RACK cabinets, depth: D=1000

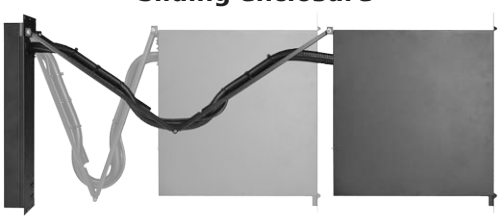


Sample product: ARAD-S4

Level I

Level II

Sliding enclosure



Possible to be mounted inside enclosure:

Transformer

Battery

Alarm
control panel

Modules

Fan
ARAW45

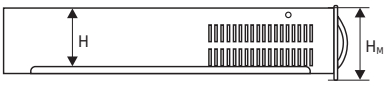
Accessories for RACK 19″ cabinets
ARAD enclosures
RACK 19″

RACK 19″

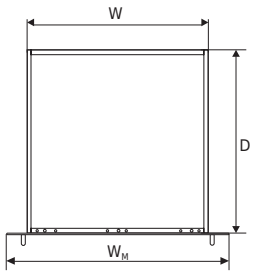
Enclosures are intended for mounting inside RACK 19″ cabinets. Enclosures allow integrate elements of CCTV, AC, I&HAS, RTV, LAN systems in RACK 19″ cabinets. They are intended for mounting alarm control panels, AC controllers, power supply units, batteries, etc.

Sample product:
ARAD2

Code	Dedicated for RACK 19″ cabinets with depth	Installation		Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]	Mounting plate Level 1	Hinged mounting plate Level 2
		ARAS sliding rails	Front mounting (Without ARAS ails...)				
ARAD1S	450	—	✓	19″×1U	390×44×270	—	—
ARAD2S		Accordingly to cabinet's depth: • depth 450 – ARAS450 • depth 600 – ARAS600 • depth 800 – ARAS800 • depth 1000 – ARAS1000	✓	19″×2U	390×70×270	✓	—
ARAD3S			✓	19″×3U	390×117×270	✓	—
ARAD4S			✓	19″×4U	390×162×270	✓	✓
ARAD2	600 / 800 / 1000		✓	19″×2U	390×70×395	✓	—
ARAD3			✓	19″×3U	390×117×395	✓	—
ARAD4			✓	19″×4U	390×162×395	✓	✓



Sample product: ARAD2



Possible to be mounted inside enclosure:

Power supply unit

Transformer

Battery

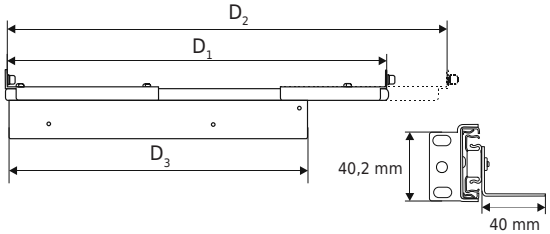
Alarm control panel

Modules

Accessories for ARAD

ARAS rails for ARAD enclosures

Code	Dedicated for RACK 19″ cabinets with depth				Adjustment $D_1 \div D_2$ [mm]	D_3 [mm]
	450	600	800	1000		
ARAS450	✓	—	—	—	262÷388	270
ARAS600	—	✓	—	—	415÷608	400
ARAS800	—	—	✓	—	512÷703	400
ARAS100	—	—	—	✓	670÷790	400



ARAS... rails

ARAW45 fan

ARAP16P, ARAP21P glands

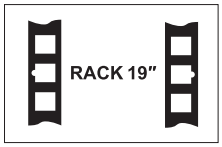
MM019, MM020 cable protection conduit

Accessories for RACK 19″ cabinets
Drawers
RACK 19″

RACK 19″

2U / 3U / 4U high RACK drawer are intended for storing / mounting supplementary elements in RACK cabinets.

Sample product:
RASR3

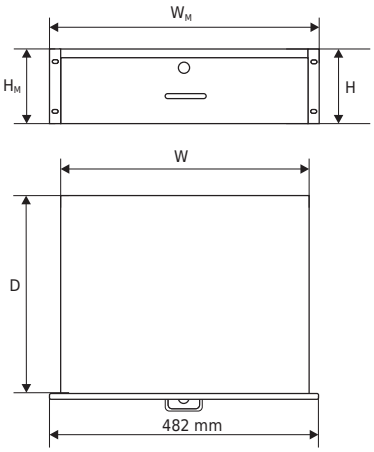


Standard RACK 19″

Front
mounting

Lock

Partial extension
slide



Code	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]
RASR2	19″×2U	440×88×358
RASR3	19″×3U	440×132×358
RASR4	19″×4U	440×176×358

Sample product: RASR3

Accessories for RACK 19″ cabinets
Enclosures with DIN rail
RACK 19″

RACK 19″

ARADIN1 – Voltage distribution panel is intended for mounting fuses, type: S in RACK 19″ cabinet. One enclosure can accommodate max. 24 fuses, 1 S wide.

ARADIN2 / ARADIN3 – Enclosures with DIN rail for RACK cabinets are intended for mounting equipment located inside.
Each enclosure has rail, length: 24×1S. Height of module cannot exceed 160mm.

RADIN – Mounting plate of 4U high with DIN rail is designed for mounting devices on DIN rail in rear side of RACK 19″ cabinets. Combination of rail with steel plate ensures rigid mounting of device on rail including possibility of attaching power cables / signal cables to mounting plate. RADIN offers economical alternative for enclosures ARADIN1, 2, 3 mounted in RACK 19″ cabinets.

Sample product:
ARADIN3

Standard RACK 19″

Description field – 24
420×20mm

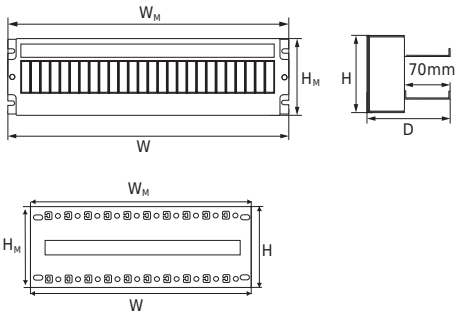
70mm panel for cable
management

DIN rail

Front
mounting

Mounting plate
for 7Ah battery included

Code	Number of "S" fields	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]
ARADIN1	24	19″×3U	481,5×132×135
ARADIN2	24	19″×3U	481×132×234
ARADIN3	24	19″×4U	481,5×175×234
RADIN	24	19″×4U	483×178×15



Applies to model ARADIN2/3
Rubber cable bushings

Sample product: ARADIN3

Possibility of installing:

Electric fuses
of „S" type

Power supply
units

Battery
17Ah/12V

Access control
(ACC)

Operating
automation module

Accessories for RACK 19″ cabinets
Electrical switchboards
RACK 19″

RACK 19″

ARADIN9 electrical switchboard is designed for installing S type fuses in RACK 19” cabinets. By default, terminal strip for neutral conductor N - 13×16mm² and PE grounding wire - 13×16mm² is located in upper part of electrical switchboard.
There are 36 fields with width of 1S (two rows of 18 fields). Each S field has description field and punched metal end cap.
In rear part of switchboard there are three shelves for safe and systematic installation of cables.
Other devices, including power supplies and switches outside S type enclosures, can also be installed in switchboard.
For this purpose, each DIN rail can be mounted in following locations:

1. Level 1 - rear part of enclosure - devices outside DIN enclosure
2. Level 2 - dedicated for S type fuses

ARADIN9

Terminal strip
„N” - 13×16mm²
„PE” - 13×16mm²

Tamper – unwanted enclosure opening

Description field + caps
2 × 18 × S

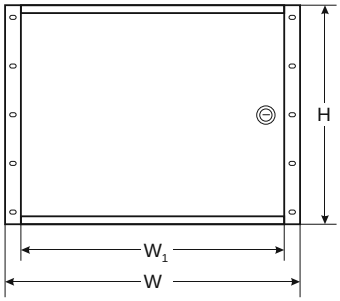
DIN rail 2×

Storage space for documents

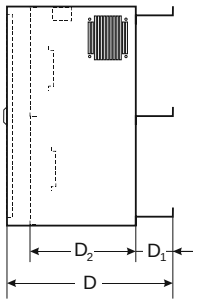
70mm panel for cable management

Removable hinges

Code	Number of "S" fields	Mounting dimensions W×H×D	Dimensions W / W_1 / H / D / D_1 / D_2 [+/- 2mm]
ARADIN9	2 × 18	19″×9U×280	483 / 430 / 398 / 280 / 70 / 165



ARADIN9



Possibility of installing:

Electric fuses of
„S” type

Power supply units for a DIN rail:
Pulsar / Mean Well

Accessories for RACK 19″ cabinets
Masking frame with shelf for RACK power supply units
RACK 19″

RACK 19″

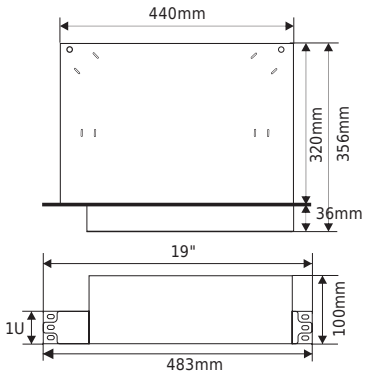
RM1 masking frame is dedicated for RACK cabinets of R/RAC/RUPS/RUPS...R series.
It protects connected power cords against damage or unauthorized access.

RM1

Before

After

Destination



Code	Dedicated for RACK	Mounting dimensions $W_M \times H_M$	Dimensions W×H [mm]
RM1	R / RAC / RUPS / RUPS...R series	19″×1U	440×320

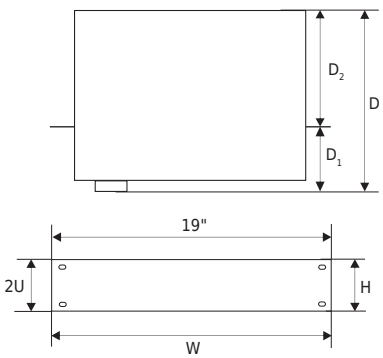
Accessories for RACK 19″ cabinets
Battery enclosure
RACK 19″

RAKU2 - Battery enclosure for RACK 19" cabinets designed for installation of 2×17Ah or 4×7Ah batteries. It is mounted in rear of RACK cabinet (of RWA / RW / RWD / RS and ZRS series) behind buffer power supply units and buffer switches by Pulsar.

RAKU3 - Battery enclosure for RACK 19” cabinets designed for installation of 4×17Ah or 4×7Ah batteries. It is fitted with four BAT1÷BAT4 connectors for capacity and voltage configuration of batteries inside enclosure.

RAKU2

RAKU3



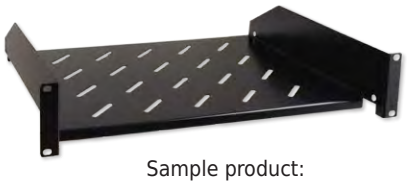
Code	Fitting battery	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm] D_1 / D_2
RAKU2	2×17Ah / 12V 4×7Ah / 12V	19″×2U	485×90×180 60 / 120
RAKU3	4×17Ah / 12V 4×7Ah / 12V	19″×2U	485×88×420 77 / 343

Accessories for RACK 19″ cabinets
Fixed shelves
RACK 19″

RACK 19″

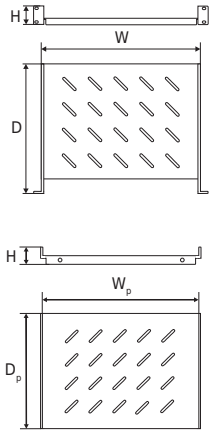
RAPD600 – Front mounted shelf with dimensions of 440×315 is universal fixed shelf dedicated for RACK 19″ cabinets of RWA/RW/RWD/RS and ZRS type. It is front mounted in RACK profiles.

RAPS... – Fixed shelves for RACK 19″ cabinets of RWA/RW/RWD/RS and ZRS type. They are side mounted in RACK profiles.



Sample product:
RAPD600

Code	For RACK cabinets, type / Depth								Shelf dimensions $W_P \times D_P$	External dimensions W×H×D [mm]
	RWA		RW		RWD	RS and ZRS				
	450	600	450	600	600	600	800	1000		
RAPD600	✓	✓	✓	✓	✓	✓	✓	✓	440×315	484×87×350
RAPS450A	✓	—	—	—	—	—	—	—	500×280	502×50×280
RAPS600A	—	✓	—	—	—	—	—	—	500×430	502×50×430
RAPS450W	—	—	✓	—	—	—	—	—	485×290	487×46×290
RAPS600W	—	—	—	✓	—	—	—	—	485×440	487×50×440
RAPS600D	—	—	—	—	✓	—	—	—	485×345	487×50×345
RAPS600S	—	—	—	—	—	✓	—	—	485×350	485×48×350
RAPS800S	—	—	—	—	—	—	✓	—	485×550	485×48×550
RAPS1000S	—	—	—	—	—	—	—	✓	485×750	485×48×750



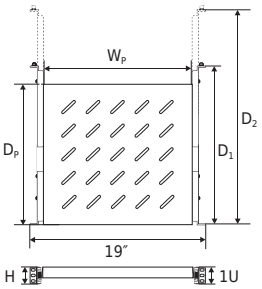
Accessories for RACK 19″ cabinets
Sliding shelves
RACK 19″

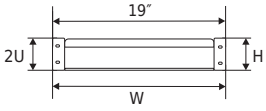
RAPW-K – Pull out shelf for keypads and mouse dedicated for free-standing RACK cabinets with computer to monitor / configure devices included in system.

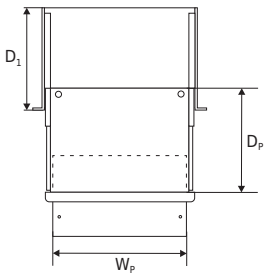
RAPW... – Pull-out shelves for RACK 19″ cabinets of RWA/RW/RWD/RS and ZRS type. They are mounted in front and rear RACK profiles and offer possibility of smooth adjustment of rear brackets. Rails have full extantion slide possibility and load capacity of 15kg. Full extension slide guarantees access to devices mounted outside RACK cabinets.

Sample product:
RAPW600

Code	For RACK cabinets, type / Depth								Static load	Shelf dimensions $W_P \times D_P$	Dimensions $W \times H \times D_1 \div D_2$ [mm]
	RWA		RW		RWD	RS and ZRS					
	450	600	450	600	600	600	800	1000			
RAPW-K	—	—	—	—	—	✓	✓	✓	20 kg	407×300	482×88×356
RAPW450	✓	—	✓	—	✓	—	—	—	15 kg	420×280	420×48×263÷391
RAPW600	—	✓	—	✓	—	✓	—	—	15 kg	420×400	420×48×448÷609
RAPW800	—	—	—	—	—	—	✓	—	15 kg	420×550	420×48×500÷660
RAPW1000	—	—	—	—	—	—	—	✓	15 kg	420×730	420×48×664÷826



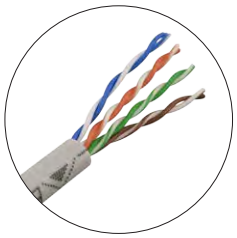




Accessories for RACK 19″ cabinets
Patch panels - Cat. 5e and 6 - UTP / FTP
RACK 19″

RACK 19″

Patch panels are final element of structured network cabling in RACK 19″ cabinets.
Fundamental element of telecommunication network.



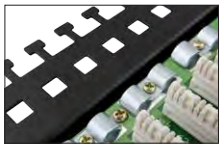
UTP twisted pair
(unshielded)

FTP twisted pair
(shielded)

Sample product:
RP-F24V6

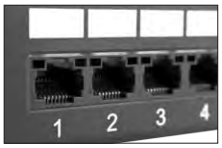
Applies: RP-F24V5 and RP-F24V6

Standard RACK
19″×1U



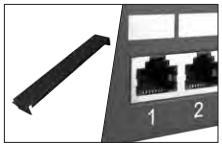
Twisted pair
assembly

Graphic
designation A / B



Label field
of RJ45 connector

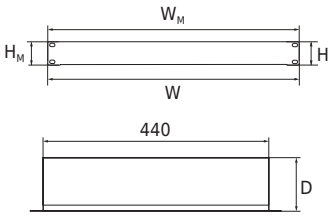
Grounding wire

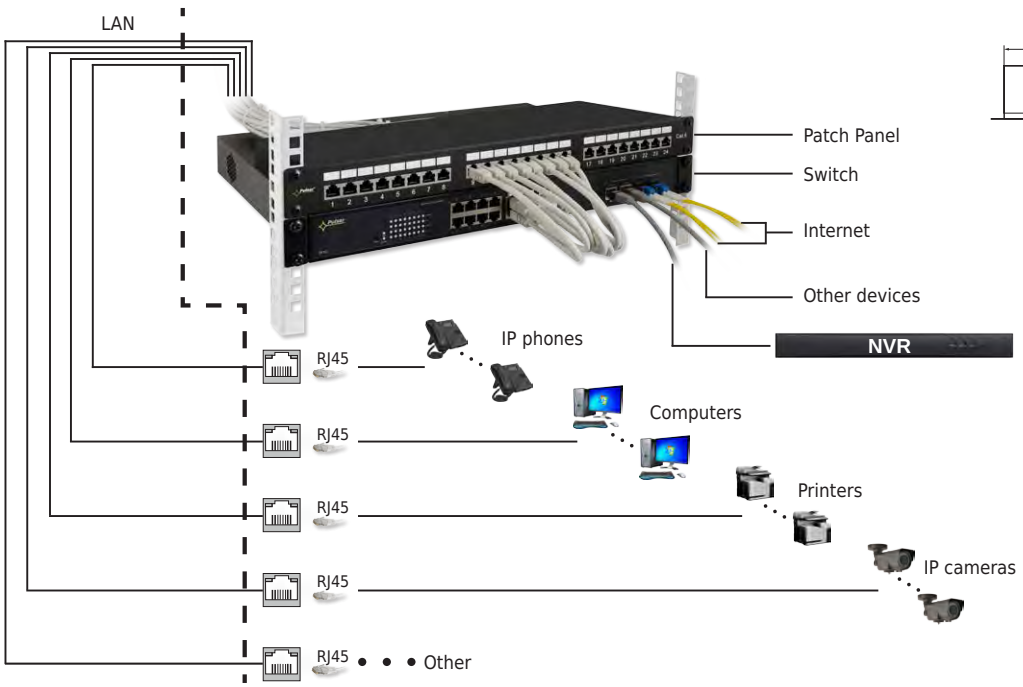


Shielding
elements

Code	Number of ports	Category	Twisted pair type	Mounting dimensions $W_M \times H_M$	Installation of connectors LSA	Description field / Numbering of RJ45 connectors	Mounting shelf for cables
RP-U24H5	24	Cat 5e	UTP	19″×1U	vertical	✓ / ✓	✓
RP-U24V5	24	Cat 5e	UTP	19″×1U	horizontal	✓ / ✓	✓
RP-U48V5	48	Cat 5e	UTP	19″×1U	horizontal	— / ✓	✓
RP-F24V5	24	Cat 5e	FTP	19″×1U	horizontal	✓ / ✓	✓
RP-U24V6	24	Cat 6	UTP	19″×1U	horizontal	✓ / ✓	✓
RP-F24V6	24	Cat 6	FTP	19″×1U	horizontal	✓ / ✓	✓

Sample product: RP-F24V6





Accessories for RACK 19″ cabinets
Fans
RACK 19″

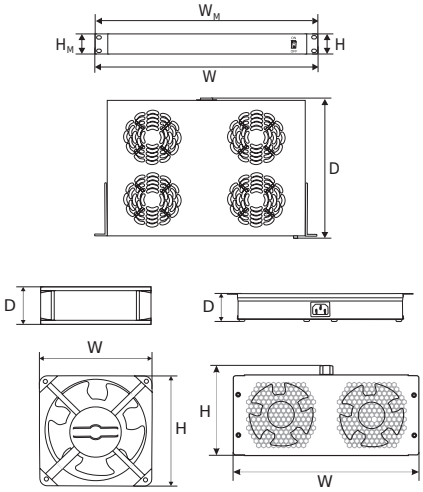
RACK 19″

RAW1/2 – Fan designed for mounting in upper plate of wall mounted RACK cabinets of RWA / RW / RWD type. Forces air circulation from inside cabinet to outside. Mounted from inside, in upper part of RACK cabinet. They are fitted with 230VAC non-detachable power cord with 2m length.

RAWP – Panel of two fans designed for mounting in upper plate of free-standing RACK cabinets of RZ / ZRS type. Forces air circulation from inside cabinet to outside. Mounted from outside, in upper part of RACK cabinet. Possibility of cascade connection of panels. It is fitted with 230VAC detachable power cable with 2m length.

RAWP-1 – Panel of four fans in RACK 19″ enclosure with 1U height. Forces air circulation between active devices generating heat inside RACK cabinets. It is fitted with a 230VAC detachable power cord with 2m length. Termostats RAT and RAT-1R are dedicated for RAWP-1 fans panel.

Sample product:
RAWP-1

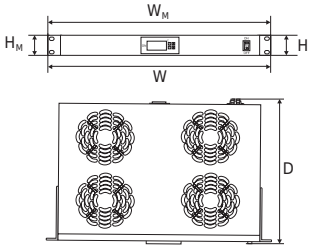


Code	Number of fans	Dedicated for RACK 19″ cabinets:					Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]	Accessories
		RWA	RW	RWD	RS	ZRS			
RAW1	**1**	✓	✓	✓	—	—	105×105	120×120×38	PSD17 / for RAT-1R
RAW2	**2**	✓	✓	✓	—	—	105×105	120×120×38	PSD17 / for RAT-1R
RAWP	**2**	—	—	—	✓	✓	—	297×149×47	PSD16 / for RAT-1R
RAWP-1	**4**	✓	✓	✓	✓	✓	19″×1U	425×45×301	PSD16 / for RAT-1R

Accessories for RACK 19″ cabinets
Fans with thermostat
RACK 19″

RAWP-1R – Panel of four fans with integrated digital thermostat in RACK 19″ enclosure with 1U height. Forces air circulation between active devices generating heat inside RACK cabinets. It is fitted with detachable temperature sensor with 2m length and with 230VAC detachable power cord with 2m length.

Sample product:
RAWP-1R



Code	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]
RAWP-1R	19″×1U	482×48×314

Accessories for RACK 19″ cabinets
Thermostats
RACK 19″

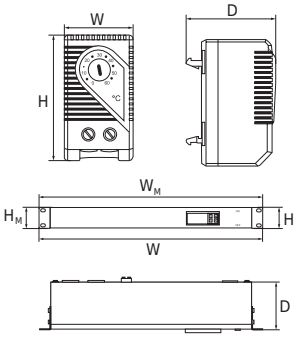
RACK 19″

RAT – Bimetallic thermostat dedicated for controlling fan units of RAW1 / RAW2 and RAWP type. Equipped with metal mounting bracket for mounting 1U on RACK profile.

RAT-1R – Digital thermostat panel in RACK 19″ enclosure with 1U height. It is fitted with two power sockets - used for controlling fan units of RAW1 / RAW2 and RAWP type. Panel is fitted with detachable temperature sensor with 2m length and with 230VAC detachable power cord with 2m length.

Sample product:
RAT-1R

Code	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]	Accessories
RAT	—	32×58×41	—
RAT-1R	19″×1U	482×44×102,7	PSD16 / for RAWP/RAWP-1 PSD17 / for RAW1/RAW2

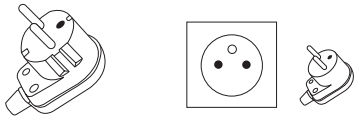


Accessories for RACK 19″ cabinets
Power distribution units
RACK 19″

Power distribution units are mounted between RACK rails.
They enable plugging up to 8 devices supplied with 230VAC.

Sample product:
RALZ/C13

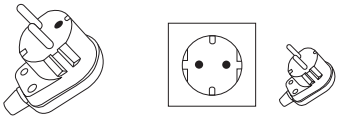
RALZ



plug:
type: E/F
(„Unischuko″)

socket:
type: E

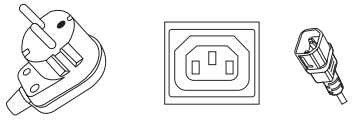
RALZ/F



plug:
type: E/F
(„Unischuko″)

socket:
type: F
(„Schuko″)

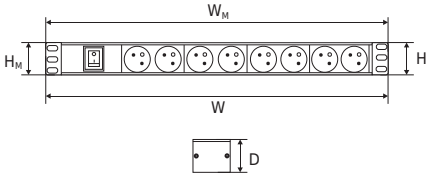
RALZ/C13



plug:
type: E/F
(„Unischuko″)

socket:
type: C13
(female)

Code	Plug type	Socket type	Number of outlets	Load	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]
RALZ	E/F „Unischuko”	E	8	3500W	19″×1U	484×45×47
RALZ/F	E/F „Unischuko”	F „Schuko”	8	3500W	19″×1U	484×45×47
RALZ/C13	E/F „Unischuko”	C13	8	3500W	19″×1U	484×45×47



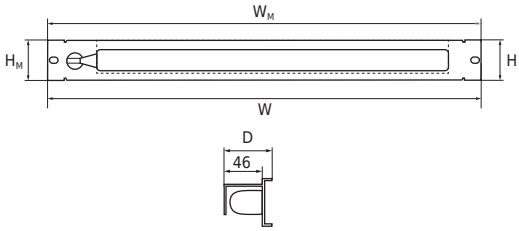
Accessories for RACK 19″ cabinets
Lighting
RACK 19″

RACK 19″

RAOS lighting should be mounted at rear or at front side of RACK 19″ cabinets. It is designed for lighting inside of cabinet during installation or servicing. Lighting is designed for RWA, RW and RWD hanging cabinets or for RS and ZRS free standing cabinets.

Sample product:
RAOS

Code	Power supply	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]
RAOS	230VAC / 8W	19″×1U	482×43×42

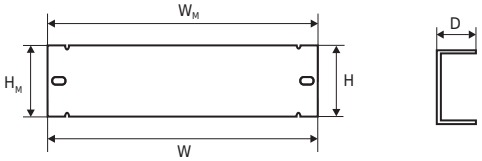


Accessories for RACK 19″ cabinets
Blanking panels
RACK 19″

Blanking panels for RACK 19″ cabinets are intended for blanking empty spaces between parts of equipment mounted inside cabinets.

Sample product:
RAPZ4

Code	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]
RAPZ1	19″×1U	482×43×15
RAPZ2	19″×2U	482×88×13
RAPZ3	19″×3U	482×133×14
RAPZ4	19″×4U	482×176×12



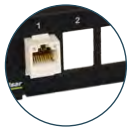
Accessories for RACK 19″ cabinets
Patch panel frames
RACK 19″

RACK 19″

Patch panel frames are designed for installation (depending on model) up to 24 „F" type / Keystone RJ45 / single SC-APC / double SC-APC connectors in RACK 19″ cabinets.

Sample product:
RAP-SCAPC2

RAP-F

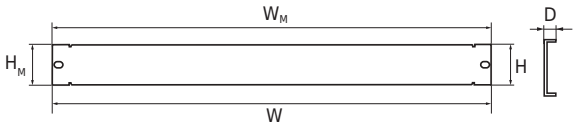


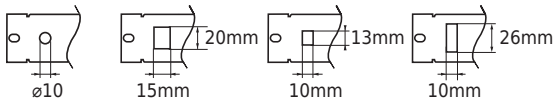
RAP-RJ45

RAP-SCAPC1

RAP-SCAPC2

Code	Connector type	Number of ports	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]
RAP-F	F	24	19″×1U	484×44,5
RAP-RJ45	keysone RJ45	24	19″×1U	484×44,5
RAP-SCAPC1	SC / APC	24	19″×1U	484×44,5
RAP-SCAPC2	double SC/APC modules	48	19″×1U	484×44,5





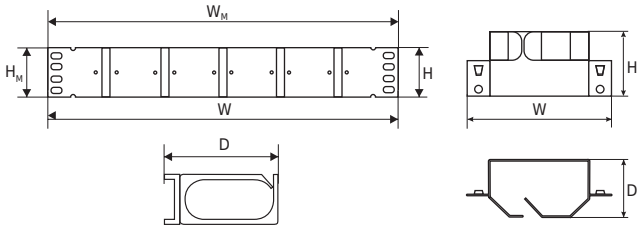
Accessories for RACK 19″ cabinets
Cable management panels
RACK 19″

RAOK-1M/P/T – Cable management panels are designed to organize and protect horizontal cabling in RACK cabinet against accidental damage.

RAOK-LR – Cable management panel is designed to organize and protect vertical cabling in RACK cabinets of RS/ZRS type against accidental damage (RACK cabinet width – 600mm).

Sample product:
RAOK-1P

Code	Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]
RAOK-1M	19″×1U	483×43×74
RAOK-1P	19″×1U	482×43×68
RAOK-1T	19″×1U	483×35×12
RAOK-LR	—	116×52×45



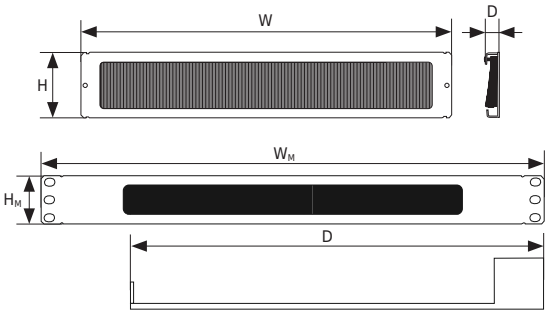
Accessories for RACK 19″ cabinets
Brush grommets
RACK 19″

RACK 19″

Brush grommets for RACK cabinets enable entering cables aesthetically and protect cabinet against intrusion of any objects.

Sample product:
RAPS-1P

Code	Dedicated for RACK 19″ cabinets:					Mounting dimensions $W_M \times H_M$	Dimensions W×H×D [mm]
	RWA	RW	RWD	RS	ZRS		
RAPS-A	✓	✓	✓	—	—	—	260×70×14
RAPS	—	—	—	✓	✓	—	360×15×63
RAPS-1	✓	✓	✓	✓	✓	19″×1U	483×43×15
RAPS-1P	✓	✓	✓	✓	✓	19″×1U	483×43×324



Accessories for RACK 19″ cabinets
Tampers
RACK 19″

Tampers are designed to protect RACK 19″ cabinets against unauthorized opening. Alarm is activated by opening front, rear or side doors of cabinet and in case of attempt to disassembly upper plate, depending on RACK cabinet model.

Sample product:
RST

Code	For RACK cabinets	External dimensions W×H×D [mm]
RWAT	RWA	190×80×35
RWT	RW	145×90×65
RWDT	RWD	200×80×60
RST	RS / ZRS	240×150×40

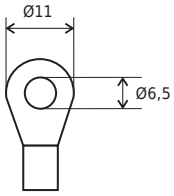
Accessories for RACK 19″ cabinets
Grounding wires
RACK 19″

RACK 19″

Sets of grounding wires are designed to ground all components of RACK 19″ cabinets.

Sample product:
RAPU-D

Code	For RACK cabinets	Length
RAPU-A	**RWA**	3×120cm, 1×50cm, 2×30cm
RAPU-W	**RW**	1×120cm, 1×60cm 2×30cm
RAPU-D	**RWD**	2×120cm, 1×60cm, 2×30cm
RAPU-S	**RS / ZRS**	1×280cm, 1×80cm, 6×40cm

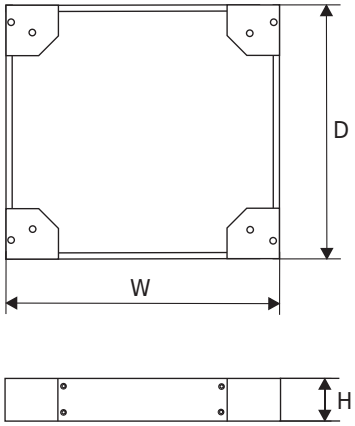


Accessories for RACK 19″ cabinets
Plinths
RACK 19″

Plints with height of 100mm are designed for RS and ZRS free-standing cabinets.
Allows stabilizing cabinet and floor mounting.

Sample product:
RAC166

Code	For RACK cabinets, type: RS / ZRS width × depth	Dimensions W×H×D [mm]
RAC166	600×600	596×100×596
RAC168	600×800	596×100×796
RAC1610	600×1000	596×100×996
RAC188	800×800	796×100×796
RAC1810	800×1000	796×100×996



Accessories for RACK 19″ cabinets
Casters, leveling feet
RACK 19″

RACK 19″

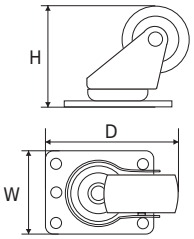
RAK – Casters for free standing RACK cabinets. Set of 4 casters enables easy moving and position adjustments of cabinet.

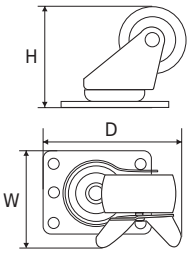
RAKB – Casters for free standing RACK cabinets. Set of 4 casters enables easy moving of cabinet and locking it in selected position.

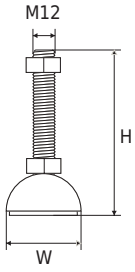
RAN – Leveling feet are for leveling and stabilising RACK cabinet with all mount devices.

Sample product:
RAKB

Code	Dimensions W×H×D [mm]
RAK	54×70×84
RAKB	66×70×89
RAN	32×90







Accessories for RACK 19″ cabinets
Locks, fasteners, screws
RACK 19″

RAZ25 – Universal round lock 25 is intended for front / rear door of RACK cabinets, type: RWA, RW, RWD, RS, ZRS.

RAZB16 – Round side panel lock 16 is intended for mounting in side panels of RACK cabinets, type: RW, RWD, RS, ZRS.

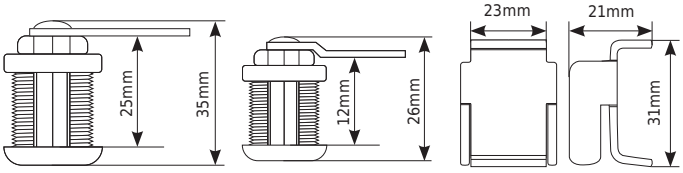
RAZ-S – Universal front door lock for RACK cabinets of RS/ZRS types.

RAL – Fastener for RS/ZRS type RACK cabinets is intended for firm fastening adjacent cabinets.

RAS4 – Set of four M6 screws is intended for mounting devices inside RACK standard enclosure in RACK cabinets.

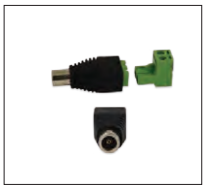
Sample product:
RAZ-S

Code	Dimensions [mm]
RAZ25	D=35
RAZB16	D=26
RAZ-S	141×33×53
RAL	23×31×21
RAS4	M6×12

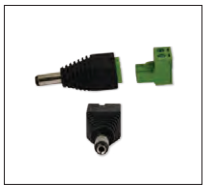


Other accessories

Connectors



ML108
Reduction – CABLE-OUTLET DC 5,5/2,1



ML109
Reduction – CABLE-PLUG DC 5.5/2.1

ML120
Reduction – CABLE-OUTLET DC 5,5/2,1/N

ML121
Reduction – CABLE-PLUG DC 5,5/2,1/N

ML517
Power adapter for HIKVISION DVR (DIN 4 pin/ 5,5/2,1 socket)

GF-GF
GF-GF Transition socket F - socket F (professional)

Cables

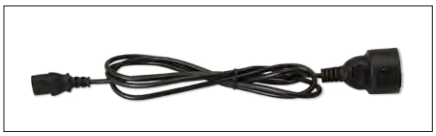
PSD12
Cable 230VAC 2×0.5mm², 1,2m, CEE 7/16, IEC C7

PSD13
Cable 230VAC 3×0.75mm², 2m, CEE 7/7 (EF), IEC C13 angled plug

PSD14
Cable 230VAC 3×0,5mm², 1,5m, CEE 7/7 (EF), IEC C13

PSD15
Cable 230VAC 3×1mm², 2m, CEE 7/7 (EF), IEC C13

PSD16
Cable 230VAC 3×0,5mm², 2m, IEC C14, IEC C13

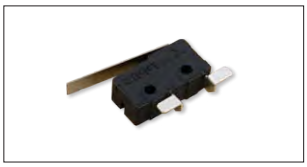


PSD17
Cable 230VAC 3×0,5mm², 2m, IEC C14, CEE 7F Schuko

SP4
Splitter 4 DC 5,5/2,1

SP8
Splitter 8 DC 5,5/2,1

Tampers



ML101
TAMPER S

PW050
Handle for tamper

PKAZ005
Built-up tamper 16mm

ML106
TAMPER B

Locks

MR008
Lock, type 802
– various code

MR027
Lock, type 876
– repeatable code

MR045
Lock, type B254
– repeatable code

MR009
Raw key
(for MR008/027)

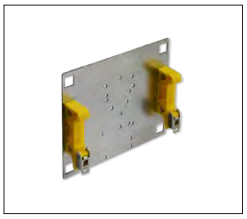
MR042
Key 9081
(for MR027)

Other accessories

Bracket DIN

AWO466
Bracket DIN TRP/TRZ20-40VA

AWO467
Bracket DIN TOR/TRP/TRZ 50-150VA



PSDIN1
Bracket DIN/PS/PSB1

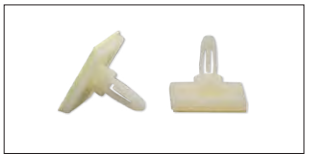
PSDIN2
Bracket DIN/PS/PSB2

PKAZ107
Mounting kit for DIN rail

Mounting elements

PW100
Mounting pin Ø6

MM051
Mounting pin Ø4 – RLCBSR-6-01



MM054
Adhesive pin spacer Ø6
– LCBSB-4-01-ART

BGL618
Bracket for GL618

ML146
Cable glands M12×1.25

ML147
Cable glands M16×1.5

ML145
Cable glands M20×1.5

ARAP16P
Cable gland fi 16mm

ARAP21P
Cable gland fi 21mm

MM064
Cable protection conduit fi fi 6

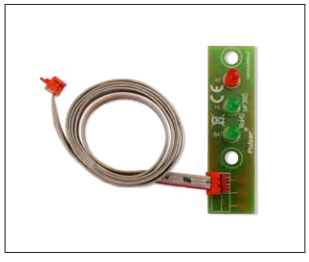
MM019
Cable protection conduit fi 16

MM020
Cable protection conduit fi 21

RAS4
Screw set RACK 4 pcs

Others

ML062
Angle muff 6,3/KK45-0,8-5,1



PKAZ108
A set for optical indication PSBSOF

ARAW45
Fan with temperature sensor 45°C

As direct importer and authorized partner of Mean Well Company, we offer full range of products of Mean Well Company.

Currently, our warehouses store over 10 000 of power supplies of following series:

Enclosed power supply units

RS
- 5VDC
- 12VDC
- 15VDC
- 24VDC
- 48VDC

SP
- 5VDC
- 12VDC
- 15VDC
- 24VDC
- 27VDC
- 48VDC

LRS
- 3,3VDC
- 5VDC
- 12VDC
- 15VDC
- 24VDC
- 36VDC
- 48VDC

RSP
- 5VDC
- 12VDC
- 13,5VDC
- 15VDC
- 24VDC
- 27VDC
- 48VDC

Power supply units for DIN rail

MDR
- 5VDC
- 12VDC
- 15VDC
- 24VDC
- 48VDC

DR I
- 5VDC
- 12VDC
- 15VDC
- 24VDC
- 48VDC

DR II
- 12VDC
- 15VDC
- 24VDC
- 48VDC

DRP
- 24VDC
- 48VDC

DRT
- 24VDC
- 48VDC

EDR
- 12VDC
- 24VDC
- 48VDC

NDR
- 12VDC
- 24VDC
- 48VDC

SDR
- 12VDC
- 24VDC
- 48VDC

WDR
- 12VDC
- 24VDC

DRUPS

Power supply units for DIN rail – buffer

DRC
- 13,8VDC
- 27,6VDC

Buffer power supply units

AD
- 13,8VDC
- 27,6VDC
- 54,0VDC

SCP
- 13,8VDC
- 27,6VDC

PSC
- 13,8VDC
- 27,6VDC

Power supplies for LED lighting

LPH - 12VDC

LPV
- 12VDC
- 48VDC

LPC

HLN - 12VDC

CLG

HLG

DC/DC voltage converters (inverters)

- with full sinusoid
- with full sinusoid and UPS function
- with modified sinusoid
- input voltage U_{IN} = 12/24/48VDC
- output voltage U_{OUT} = 110/230VAC

DC/DC voltage converters

SD
- 5VDC
- 12VDC
- 24VDC
- 48VDC

RSD
- 5VDC
- 12VDC
- 24VDC
- 48VDC

As proven supplier, we invite you for cooperation.

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Distributor’s stamp

Contact us

Pulsar, Siedlec 150
32-744 Lapczyca, Poland

+48 14 610 19 45

sales@pulsar.pl

www.pulsar.pl