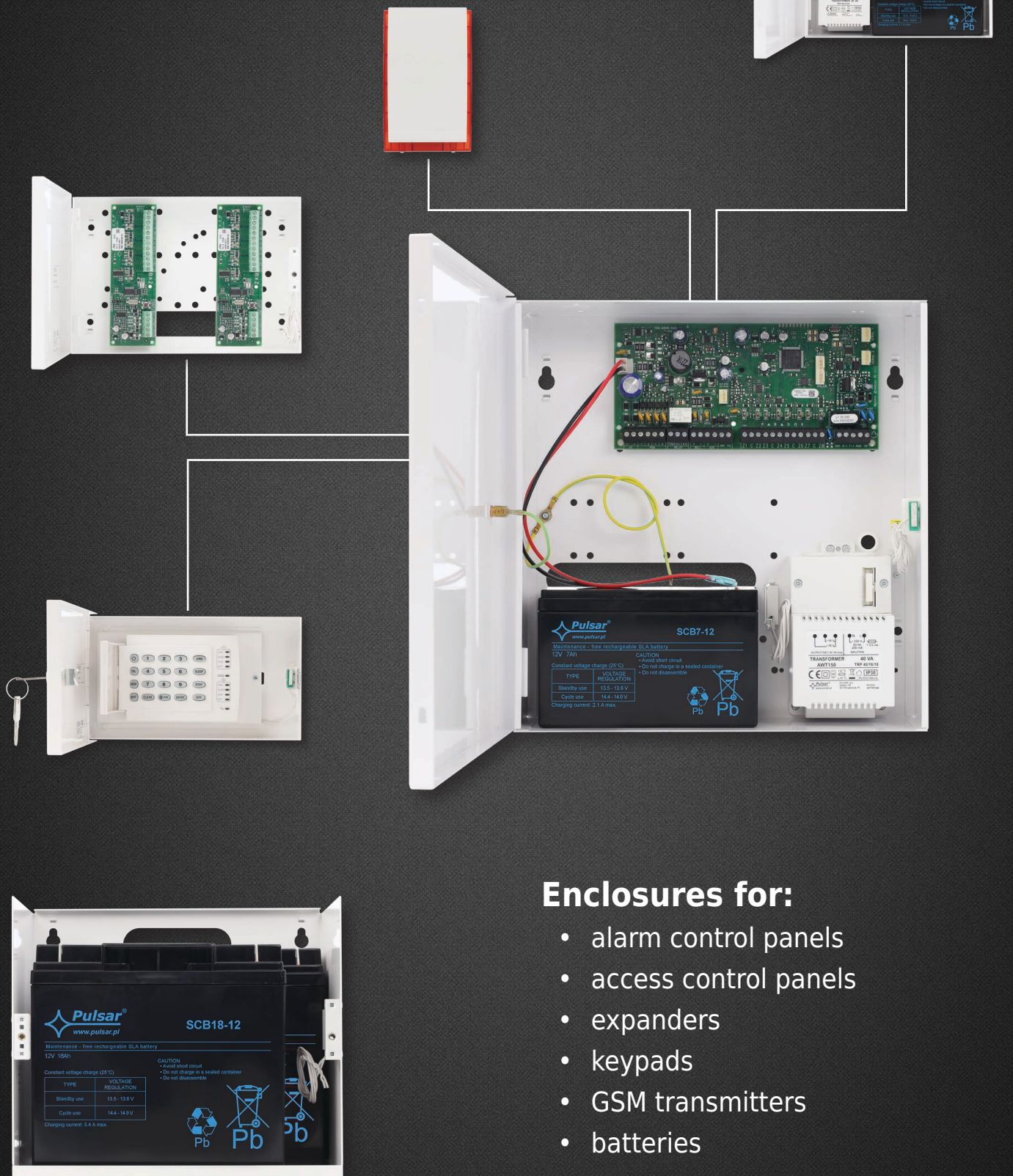


Security enclosures for IDS, AC

Satel, Risco, Paradox, DSC, Bosch, Ksenia, Dahua



Enclosures for:

- alarm control panels
- access control panels
- expanders
- keypads
- GSM transmitters
- batteries

Enclosures for alarm control panels



- Page 2** **Fitted with transformer / with power supply**
- Universal
 - SATEL
 - PARADOX
 - DSC
 - KSENIA
 - RISCO
 - Universal – two-level version

- Page 3** **EMPTY**
- Universal
 - Universal – EMPTY / DSC-EMPTY

- Page 4** **Construction compliant with EN50131, GRADE 3 version fitted with transformer of TRP / TRZ series / Empty**
- PARADOX
 - SATEL
 - SATEL – without transformer

- Page 5** **Flush-mounted, empty**
- Universal

Enclosures for expanders



- Page 6**
- Universal
 - SATEL
 - GRADE 3 (Universal, SATEL)

Enclosures for keypads



- Page 7**
- Surface-mounted
 - flush-mounted

Enclosures for GSM transmitters



- Page 8**
- EBS / PRONAL

Enclosures for Access Control Systems



- Page 9**
- BOSCH
 - NEDAP
 - DAHUA

Enclosures for batteries



- Page 10**
- Surface-mounted
 - DIN rail mounted

Accessories for RACK 19" cabinets



- Page 11**
- Vertical
 - Horizontal – sliding

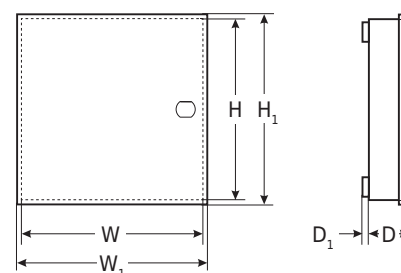
Accessories for enclosures for alarm control panel



- Page 13**
- Transformers
 - Batteries
 - Alarm cables
 - Sets for EMPTY enclosures
 - Tamperers
 - Locks

Enclosures for alarm control panels

fitted with transformer / with power supply *



Universal - dedicated for control panels: DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...

Code	Transformer / power supply unit	Power supply output	Recommended 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	250×252×81+8	256×256
AWO009			7Ah/12V	250×250×80+8	255×255
AWO150			7Ah/12V	280×292×81+8	286×296
AWO220			17Ah/12V	320×305×90+8	325×310
AWO200	TRP 40VA	16V/2,2A or 18V/2,0A	17Ah/12V	320×398×91+8	326×403
AWO250			17Ah/12V	320×400×120+8	325×405
AWO300	TRP 50VA	16V/3,0A or 18V/2,8A or 20V/2,5A	17Ah/12V		
AWO301			24Ah/12V	348×398×171+8	354×403

SATEL

AWO256	TRP 50VA	16V/3,0 or 18V/2,8A or 20V/2,5A	17Ah/12V	320×400×90+8	325×405
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PARADOX

AWO003	TRP 20VA	16V/1,2A or 18V/1,0A	7Ah/12V	250×252×81+8	256×256
AWO008			7Ah/12V		
AWO152			7Ah/12V	280×290×80+8	285×295
AWO232			17Ah/12V	320×305×90+8	325×310
AWO214			17Ah/12V	320×398×91+8	326×403

DSC

AWO171	TRP 40VA	16V/2,2A or 18V/2,0A	7Ah/12V	280×295×78+6	285×300
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KSENIA

AWO102	20W	15V / 1,7A	7Ah/12V	250×292×81+8	256×296
AWO195		15V / 3,4A	17Ah/12V	320×434×91+8	326×438

RISCO

AWO317	75W	14,4V/5A	17Ah/12V	320×400×90+8	325×405
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Universal - two-level version

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

Code	Transformer	Power supply output	Recommended battery	External dimensions of enclosure: W×H×D+D ₁ [± 2mm]	External dimensions of front panel: W ₁ ×H ₁ [± 2mm]	Mounting plate dimensions: W ₂ ×H ₂ [± 2mm]	Working depth: D ₂ / D ₃ [± 2mm]
AWO200K	TRP 50VA	16V/3,0A or 18V/2,8A or 20V/2,5A	17Ah/12V	348×433×141+8	354×438	310×135	62/75

* depending on model

Enclosures for alarm control panels

EMPTY



Universal - dedicated for control panels: DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...

Code	Recomended 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	320×398×91+8	326×403
AWO250PU	17Ah/12V	320×400×120+8	325×405
AWO301PU	24Ah/12V	348×398×171+8	354×403

Universal - EMPTY / DSC-EMPTY - dedicated for control panels: DSC, SATEL, PARADOX, RISCO, PYRONIX, CROW...

Code	Dedicated for control panels	Recomended battery	External dimensions of enclosure: W×H×D+D ₁ [+/- 2mm]	External dimensions of front panel: W ₁ ×H ₁ [+/- 2mm]
AWO000EMT	Universal	7Ah/12V	250×250×80+8	255×255
AWO150EMT		7Ah/12V	280×290×80+8	285×295
AWO220EMT		17Ah/12V	320×305×90+8	325×310
AWO200EMT		17Ah/12V	320×398×91+8	326×403
AWO250EMT		17Ah/12V	320×400×120+8	325×405
AWO171EMT	DSC	7Ah/12V	280×295×78+6	285×300

Accessories:

PKAZ158

Mounting set is intended to EMPTY enclosures

PKAZ196

Mounting set is intended to DSC EMPTY enclosures

PKAZ066 / PKAZ067

Tamper switch detachment from surface 8mm / 14 mm with wires

MRO08 / MRO27

MR008 (various code) MR027 (same code)

TRANSFORMERS TRP - IP30, ABS/PC

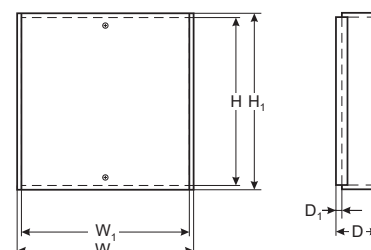
Power: 20VA / 40VA Power: 50VA/ 80VA

TRANSFORMERS TRZ - IP43, ABS/PC, CAST RESIN

Power: 40VA / 60VA Power: 80VA

Enclosures for alarm control panels

Construction compliant with EN50131, GRADE 3 version
fitted with transformer of TRP / TRZ series / Empty *



PARADOX

Code	Transformer	Power supply output	Recommended 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		

SATEL

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	TRZ 75VA	20V/3,75A	17Ah/12V		
AWO306	TRP 80VA	16V/5,0A or 18V/4,5A or 20V/4,0A	28Ah/12V	460×550×175 (20)	455×555

SATEL - without transformer

AWO269PU	–	–	17Ah/12V	340×400×130 (15)	335×405
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* depending on model

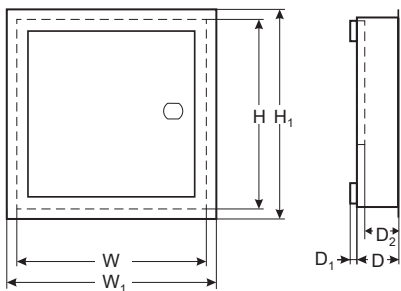
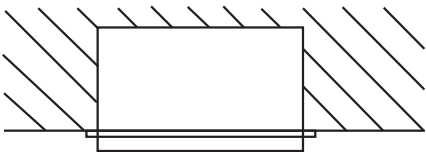
Accessories - AWO269PU:



Enclosures for alarm control panels

Flush-mounted, empty

Universal



Code	Recommended battery	External dimensions of enclosure: $W \times H \times D + D_1$ [± 2mm]	External dimensions of flange: $W_1 \times H_1$ [± 2mm]	Working depth: D_2 [± 2mm]
AWO500PU	17Ah/12V	310×305×100+8	345×355	95
AWO510PU	17Ah/12V	345×395×100+8	380×450	
AWO520PU	28Ah/12V	350×395×180+8	380×430	175

Accessories:

MR008 / MR027



MR008
(various code)

MR027
(same code)

TRANSFORMERS TRP - IP30, ABS/PC



Power: 20VA / 40VA



Power: 50VA/ 80VA

TRANSFORMERS TRZ - IP43, ABS/PC, CAST RESIN



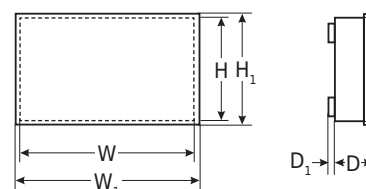
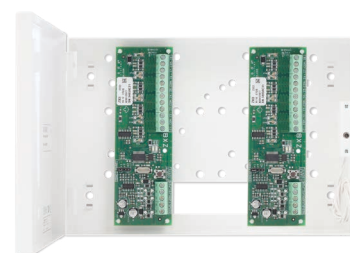
Power: 40VA / 60VA



Power: 80VA

Enclosures for expanders

Universal / SATEL / GRADE 3



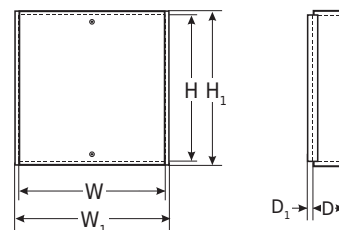
Universal

Code	Destination	External dimensions of enclosure: $W \times H \times D + D_1$ [± 2mm]	External dimensions of front panel: $W_1 \times H_1$ [± 2mm]
AWO452	DSC, SATEL, PARADOX, RISCO	218×150×50+8	222×155
AWO453		262×172×49+8	267×176

SATEL

Code	Destination	Recommended battery	External dimensions of enclosure: $W \times H \times D + D_1$ [± 2mm]	External dimensions of front panel: $W_1 \times H_1$ [± 2mm]
AWO224	SATEL	17Ah/12V	320×304×101+8	326×308

GRADE 3 version



Universal

Code	Destination	External dimensions of enclosure: $W \times H \times D (D_1)$ [± 2mm]	External dimensions of front panel: $W_1 \times H_1$ [± 2mm]
AWO454	DSC, SATEL, PARADOX, RISCO, ZKTeco	299×203×67 (16)	292×207

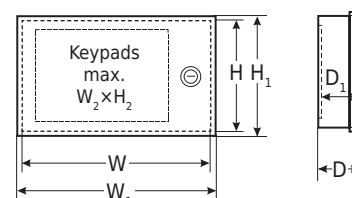
SATEL

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

Enclosures for keypads

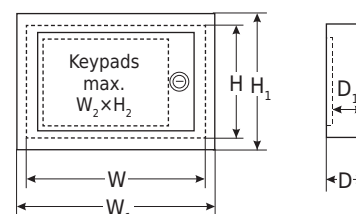
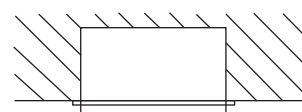
Surface-mounted and flush-mounted

Surface-mounted



Code	Destination	LED / LCD	Control window	External dimensions of enclosure: $W \times H \times D$ [± 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, NETWORKX, GALAXY, PARADOX	LED	—	169×190×50	177×195	110×185×41
AWO351	DSC, FBII, SCANTRONIC, ROKONET, PARADOX, NAPCO, SUMMIT, SATEL, CADDX NETWORKX, PULSON	LCD	—	235×135×42	242×140	185×130×32
AWO353	SATEL, PARADOX, GALAXY, VISONIC, PYRONIX, CADDX NETWORKX, ROKONET, ELKRON, ADEMCO, PIMA, FBII	LCD	—	215×150×50	223×155	160×145×42
AWO360	SATEL, PARADOX, GALAXY, VISONIC, PYRONIX, CADDX NETWORKX, ROKONET, ELKRON, ADEMCO, PIMA, FBII	LCD	✓	215×149×50	223×158	

Flush-mounted



Code	Destination	LED / LCD	External dimensions of enclosure: $W \times H \times D$ [± 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 NETWORKX, GALAXY, VISONIC, PYRONIX, ELKRON, ADEMCO, PIMA, SUMMIT	LED	250×162×61	276×193	185×142×52

Enclosures for GSM transmitters



Code	Destination	Transformer	Power supply output	Recomended battery	External dimensions of enclosure: W×H×D+D ₁ [+/- 2mm]	External dimensions of front panel: W ₁ ×H ₁ [+/- 2mm]
AW0040	EBS / PRONAL	TRP 20VA	14V/1,4A or 18V/1,0A	7Ah / 12V	250×250×80+8	255×255



Pre-embossed for antenna

Accessories:

PKAZ066

Tamper switch detachment from surface 8mm with wires

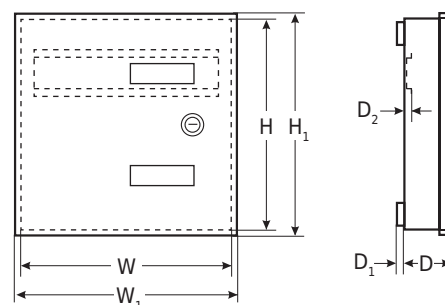
MR008 / MR027

MR008 (various code) MR027 (same code)

Enclosures for Access Control Systems

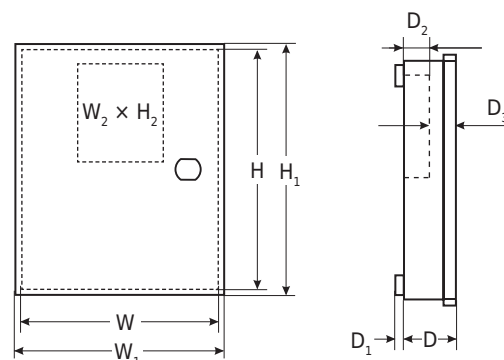
BOSCH / NEDAP / DAHUA

BOSCH



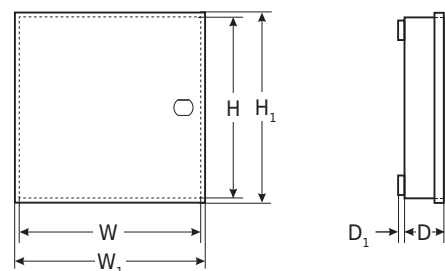
Code	Number of DIN rails / length / number of „S” fields / D_2	Recommended batteries	Control window	External dimensions of enclosure: $W \times H \times D + D_1$ [± 2mm]	External dimensions of front panel: $W_1 \times H_1$ [± 2mm]
AW0513	1 / 380mm / 21 / 18mm	2×7Ah / 12V	1	405×320×90+14	412×323
AW0514	2 / 380mm / 21 / 18mm		2	405×520×90+14	412×523

NEDAP



Code	Recommended battery/batteries	Mounting plate dimensions: $W_2 \times H_2$ [± 2mm]	Enclosure dimensions: $W \times H \times D + D_1$ [± 2mm] $W_1 \times H_1$ [± 2mm]
AWO601W	2×7Ah, 1×17 / 12V	82×121	230×372×80+8 235×375
AWO602	2×17Ah / 12V	—	340×550×170+14 345×555

DAHUA



Code	Output voltage	Total output current with charging	Battery charging current	Recommended battery	Number of DIN rails / length / number of „S” fields	Dimensions $W \times H \times D + D_1$ [± 2mm]
AWZ637	13,8 V DC	7A	1,0A / 2,0A	17Ah	1 / 185mm / 10	320×397×92+8

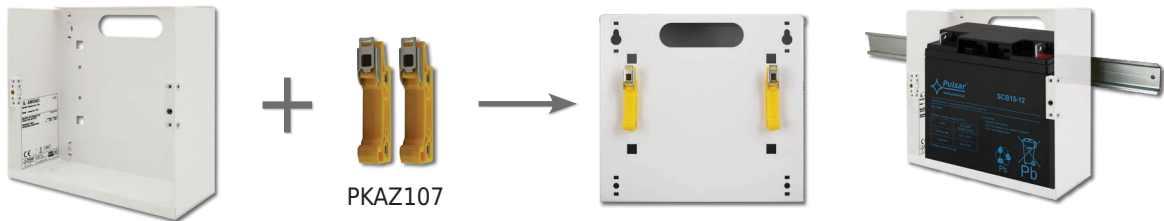
Enclosures for batteries

Surface-mounted, DIN rail mounted



Code	Recomended battery/batteries					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				
AWO401	1×	1×	—	—	—	✓	✓	205×190×81+8	209×189
AWO402	2×	2×	1×	1×	—	✓	—	230×202×173+8	234×201
AWO403	4×	4×	2×	1×	1×	✓	—	390×202×173+8	394×201

Sample product: AWO401



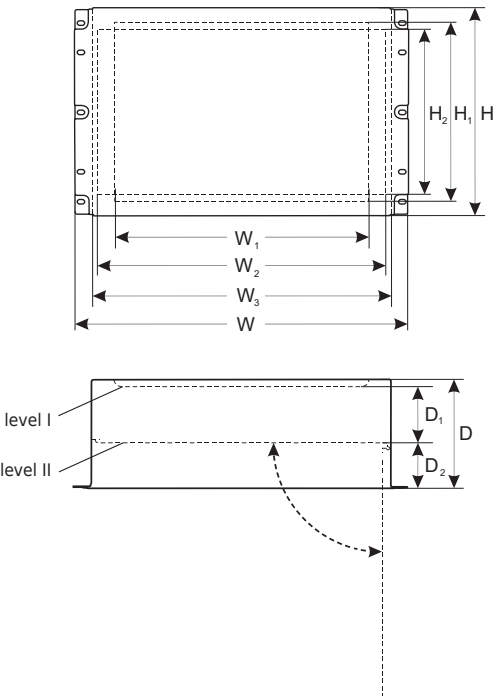
Accessories:



Accessories for RACK 19" cabinets

Vertical

RACK 19"



Code	Static load	Mounting dimensions W×H	Dimensions W / W ₃ / H / D [± 2mm]	Mounting plate (level I) W ₁ ×H ₁ ×D ₁ [± 2mm]	Hinged mounting plate (level II) W ₂ ×H ₂ ×D ₂ [± 2mm]
RAW07	20kg	19"×7U	483 / 431 / 310 / 152	350×268×85	400×262×55



Possible to be mounted inside enclosure:



Transformer



Battery



Alarm control panel



Modules

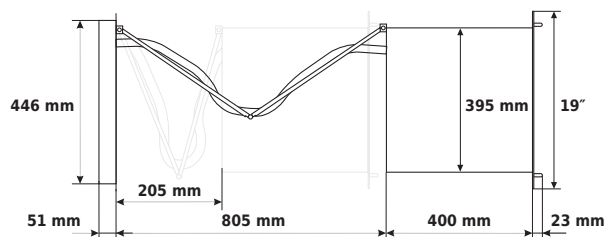
Accessories:



Accessories for RACK 19" cabinets

Horizontal - sliding

RACK 19"



Code	Signal wires (pairs × cross-section)	Number of PCB boards	Maximum current	Recomended battery	Mounting dimensions W×H	Mounting plate (level I)	Hinge mounting plate (level II)
ARAD-S2	24×0,5	3	1,5A / 30 V DC	7Ah / 12V	19"×2U	250×260 (358×330)	n/a
ARAD-S4	48×0,5	6	1,5A / 30 V DC	17Ah / 12V	19"×4U	155×278 (360×342)	370×284 (370×352)

Sample product: ARAD-S4



Level I



Level II



Sliding enclosure



Possible to be mounted inside enclosure:



Transformer



Battery



Alarm control
panel



Modules



Fan ARAW45

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

Accessories:

**ARAS800 /
ARAS1000**



**MMO19 / MMO20
/ MMO64**



**ARAP16P /
ARAP21P**



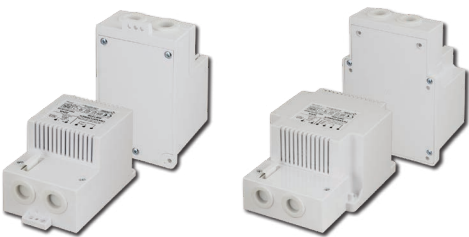
ARAW45



Accessories for enclosures for alarm control panel

Transformers

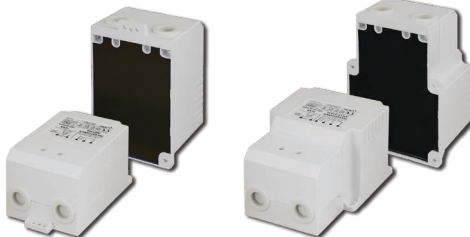
TRP series - IP30, ABS/PC



IP30

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
AWT800	80VA	16V/5A or 18V/4,5A or 20V/4A

TRZ series - IP43, ABS/PC, cast resin



IP43

Code	Power	Output voltage
AWT468	40VA	16V/2,2A or 18V/2A
AWT682	60VA	18V/3,3A or 20V/3,0A
AWT8161820	80VA	16V/5A or 18V/4,5A or 20V/4A
AWT8172430	80VA	17V/4,7A or 24V/3,3A or 30V/2,7A

Batteries



Alarm cables



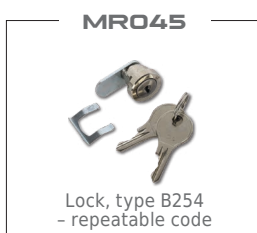
Set for EMPTY enclosures



Tampers



Locks



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