



INTALLATION MANUAL
ENGLISH
code: **AWO 630**
name: **Enclosure DIN3/Plate/RACK 19"**
metal enclosure for: SSWiN, KD,....

IM630



IP20



Edition: 2 for 30.09.2015
Supersedes the edition: 1 for 02.02.2012

1. Intended use:

Due to its design, the AWO630 enclosure can be used as an integrating part of installation systems, such as: CCTV, KD, SSWiN, LAN network, satellite TV, etc. The enclosure is to be used for mounting (depending on configuration):

- LEVEL 1:**
- 1) rack-mount devices (RACK 19), not too deep –12U high (with 3 rack mounting brackets, 4U high, which can be mounted on different depths or horizontally)
 - 2) system KD controller and additional modules or other devices adjusted for mounting on a TH35 (35mm) DIN rail
 - 3) alarm control units and optional modules (with additional AWO630PL mounting plate)
 - 4) transformer, series: TRP, TRZ, TOR
 - 5) enclosed power supply units, series: PS, PSB

- LEVEL 2:**
- 1) alarm control units and optional modules
 - 2) other devices, i.e.: switch, router, etc.

2. Product description:

The enclosure enables mounting the devices on 2 LEVELS, at the bottom and in the mounting plate.

LEVEL 1:

The enclosure, in its standard version, includes 3 DIN rails, of 480 mm, mounted to the bottom. There is also an option to add a DIN rail (AWO630DIN), max. 5 per enclosure. Instead of a DIN rail, a mounting plate (AWO630PL) of working dimensions: 485mm x 320mm can be fitted. The enclosure has an additional mounting plate used for installing transformers and power supply units.

LEVEL 2:

The enclosure is quipped with a hinged mounting plate of working dimensions: 410mm x 170mm. That facilitates the access to the devices mounted at the bottom of the enclosure (level1). 3 mounting plates (AWO630PLO) is a maximum for one enclosure. The enclosure accommodates a 65Ah/12V battery. Anti-tampering system indicates an unauthorized opening of the enclosure. There is also a possibility to mount an additional anti-tampering system, which prevents the PSU from being ripped off the wall (PKAZ005). The lock assembly has a different code (MR008). The door, either right or left-hand, can be easily dismantled.

The bottom part includes 2 rails that create a 35mm space between the enclosure and the wall for the cables of the device accommodated by the enclosure. This disables installing the anti-tampering system, which prevents the device from being ripped off the wall (PKAZ005).

3. Mounting:

The enclosure shall be mounted by a qualified installer with appropriate permissions and qualifications for 230V/AC installations and low-voltage installations (required and necessary for a given country). It shall be fitted in confined spaces, according to the environment class II, with normal air humidity (RH=90% max. without condensation) and the temperature from -10°C to +40°C.

4. Specifications

SPECIFICATIONS	
Fitting battery	65Ah/12V
Anti-tamper protection	1x – enclosure opening
TAMPER – output amcapacity (max)	500mA@50Vdc
Enclosure: IP	IP 20
Operating temperature	-10°C÷40°C
Relative humidity RH – max.	90 [%]
Internal dimensions (WxHxD)	450 x 645 x 177 [-/+2] [mm]
Additional accessories	AWO630PLO- tint metal sheet for DIN3 410mm x 170mm (max. 3 per enclosure) - LEVEL 2 AWO 630PL- sheet metal for DIN3 485mm x 320mm – LEVEL 1 AWO630DIN- rail for DIN3 480mm - LEVEL 1 (max. 5 per enclosure) AWO630RACK- bracket for DIN3 RACK 4U (1 set) (max. 6 sets per enclosure) RAS4- M6 screw set RACK 4 pcs Lock assembly, same code MR027 Lock assembly, different code MR008 Insulating gland M20x1,5 - ML145 TAMPER, against ripping off the wall PKAZ005
Materials	Electrolytic galvanized sheet DC01, 3µm zinc coating Corrosion protection: polyester paint, industrial use, color RAL 7035 (grey)
Use	Inside/ Surface-mounted
Net weight	~14.65 [kg]
Gross weight	~15.00 [kg]

Specifications of transformers that can be mounted in the enclosure:

CODE	NAME	C	S	U	I	U1 or U2 or U3	I1 or I2 or I3	F	t
AWT053	TRP 20/12/14	PC/ABS UL94 V-0 IP30	20VA	230V/AC	0,12A	12V or 14V	1,6A or 1,4A	T 200mA/250V	130°C
AWT050	TRP 20/16/18	PC/ABS UL94 V-0 IP30	20VA	230V/AC	0,12A	16V or 18V	1,2A or 1,0A	T 200mA/250V	130°C
AWT268	TRZ 20/16/18	PC/ABS UL94 V-0 IP43	20VA	230V/AC	0,12A	16V or 18V	1,2A or 1,0A	T 200mA/250V	130°C
AWT150	TRP 40/16/18	PC/ABS UL94 V-0 IP20	40VA	230V/AC	0,20A	16V or 18V	2,2A or 2,0A	T 315mA/250V	130°C
AWT468	TRZ 40/16/18	PC/ABS UL94 V-0 IP43	40VA	230V/AC	0,20A	16V or 18V	2,2A or 2,0A	T 315mA/250V	130°C
AWT 5161820	TRZ 50/16/18/20	PC/ABS UL94 V-0 IP43	50VA	230V/AC	0,25A	16V or 18V or 20V	3,0A or 2,8A or 2,5A	T 500mA/250V	130°C
AWT 5172430	TRZ 50/17/24/30	PC/ABS UL94 V-0 IP43	50VA	230V/AC	0,25A	17V or 24V or 30V	2,9A or 2,1A or 1,7A	T 500mA/250V	130°C
AWT 8161820	TRZ 80/16/18/20	PC/ABS UL94 V-0 IP43	80VA	230V/AC	0,4A	16V or 18V or 20V	5,0A or 4,5A or 4,0A	T 630mA/250V	130°C
AWT 8172430	TRZ 80/17/24/30	PC/ABS UL94 V-0 IP43	80VA	230V/AC	0,4A	17V or 24V or 30V	4,7A or 3,3A or 2,7A	T 630mA/250V	130°C
AWT037	TOR 50/16/18/20	-	50VA	230V/AC	0,25A	16V or 18V or 20V	3,0A or 2,8A or 2,5A	T 500mA/250V	130°C
AWT049	TOR 50/17/24/30	-	50VA	230V/AC	0,25A	17V or 24V or 30V	2,9A or 2,1A or 1,7A	T 500mA/250V	130°C
AWT039	TOR 80/16/18/20	-	80VA	230V/AC	0,4A	16V or 18V or 20V	5,0A or 4,5A or 4,0A	T 630mA/250V	130°C
AWT048	TOR 80/17/24/30	-	80VA	230V/AC	0,4A	17V or 24V or 30V	4,7A or 3,3A or 2,7A	T 630mA/250V	130°C

C - Enclosure of a transformer
S – Supply power
U – Mains supply
I - Current consumption at ~230V nominal load
U1 or U2 or U3 – Secondary voltage
I1 or I2 or I3 – Nominal output current
F – F fuse in the primary circuit of the transformer
t - Thermal fuse 130°C, not resettable

Specifications of power supply units that can be mounted in the enclosure:

CODE	Current	Supply power	Output voltage	PSU type
PS251220	12V/2A	25W	12V±15VDC	Switch mode
PS401230	12V/3A	40W	12V±15VDC	Switch mode
PS601250	12V/5A	60W	12V±15VDC	Switch mode
PS1001270	12V/7A	100W	12V±15VDC	Switch mode
PS15012100	12V/10A	150W	12V±15VDC	Switch mode
PS2001214	12V/14A	200W	12V±15VDC	Switch mode
PS402418	24V/1,8A	40W	24V±28VDC	Switch mode
PS1002435	24V/3,5A	100W	24V±28VDC	Switch mode
PS2002470	24V/7A	200W	24V±28VDC	Switch mode
PS602425	24V/2,5A	60W	24V±28VDC	Switch mode
PS1502450	24V/5A	150W	24V±28VDC	Switch mode
PSB351225	13,8V/2,5A	35W	12V±14VDC	Buffer, switch mode
PSB501235	13,8V/3,5A	50W	12V±14VDC	Buffer, switch mode
PSB1001270	13,8V/7A	100W	12V±14VDC	Buffer, switch mode
PSB15512110	13,8V/11A	155W	12V±14VDC	Buffer, switch mode
PSB352413	27,6V/1,3A	35W	24V±28VDC	Buffer, switch mode
PSB502418	27,6V/1,8V	50W	24V±28VDC	Buffer, switch mode
PSB1002435	27,6V/3,5A	100W	24V±28VDC	Buffer, switch mode
PSB1552455	27,6V/5,5A	155W	24V±28VDC	Buffer, switch mode

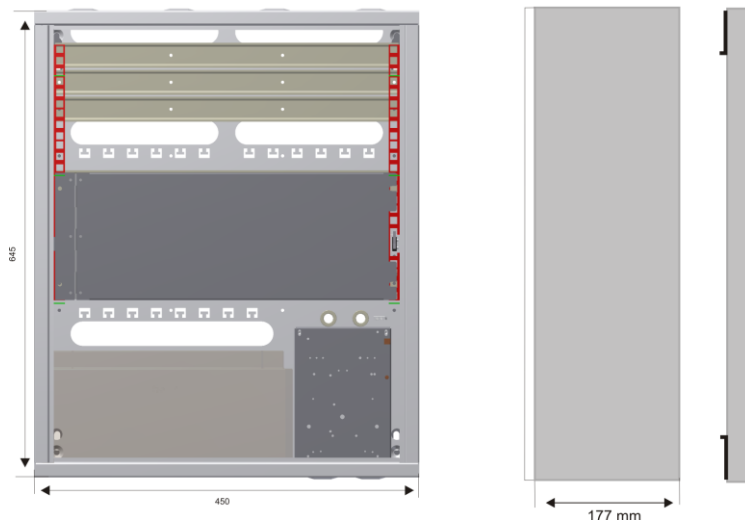


Fig.1 Examples of possible configurations

AWO630 enclosure enables mounting RACK 4U mount-rack brackets in the following positions:



Frontal

Adjustable height of the DIN rail



Rear

The enclosure is equipped with a hinged mounting AWO630PLO (max. 3 per enclosure).
LEVEL 2



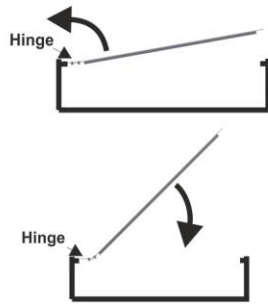
Horizontal

Examples of possible configurations:

- on a hinged mounting plate
- in RACK 19" mount-rack brackets
- on a DIN rail
- 40Ah battery
- a power supply unit, series: PSB



A mounting plate AWO620PL can be fitted.



The enclosure is equipped with a hinged mounting plate max. 3 pcs.
LEVEL 2.

A rail creating a 35mm space between the enclosure and the wall can be fitted.



Empty mounting plate



Enclosed PSU series: PS..., PSB...



Transformers series: TOR...



Transformers series: TRP...



Transformers series: TRZ...

WARRANTY :

The manufacturer grants a two-year warranty for the equipment, counted from the device's production date.

PRODUCENT / PRODUCER

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