



INTALLATION MANUAL
ENGLISH
 code: **AWO 610**
 name: **Enclosure DIN1**
 metal enclosure for: SSWiN, KD,....



IP20



IM610

Edition: 3 for 01.03.2018
 Supercedes the edition: 2 for 30.09.2015

1. Intended use:

Due to its design, the AWO610 enclosure can be used as an integrating part of installation systems, such as: CCTV, KD, SSWiN, etc. The enclosure is to be used for mounting (depending on configuration):

- system KD controller and additional modules or other devices adjusted for mounting on a TH/TS35 (35mm) DIN rail
- transformer, series: TRP, TRZ, TOR
- enclosed power supply units, series: PS, PSB

2. Product description:

The enclosure includes a 315mm-long DIN rail mounted to the bottom. It is equipped with a mounting plate, for transformers or power supply units. The enclosure accommodates a 17Ah/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 would prevent the device from being ripped off the wall (PKAZ005). In a basic version, the enclosure is bolted in the faceplate with 2 screws. The faceplate is embossed so that a lock assembly can be fitted. The lock can have the same code: MR027, or a different one: MR008.

There is an 8mm space between the enclosure and the wall for the cables of the device accommodated by the enclosure.

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	17Ah/12V
Anti-tamper protection	1x – enclosure opening
TAMPER – output ampacity (max)	500mA@50V DC
Enclosure: IP	IP 20
Operating temperature	-10°C ÷ 40°C
Relative humidity RH – max.	90 [%]
External dimensions of the enclosure: External dimensions of the front panel: The number of DIN rails / length / the number of „S” fields: Distance of the TH35 DIN rail from the rear wall:	W=350, H=360, D+D₁=92+8 [+/- 2mm] W₁=358, H₁=365 [+/- 2mm] 1 / 320mm / 18 D₂=7 [+/- 2mm]
Additional accessories	Lock assembly, same code: MR027 Lock assembly, different code: MR008 Insulating gland M20x1,5 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	~3.80 [kg]
Gross weight	~4.10 [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 IP30	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

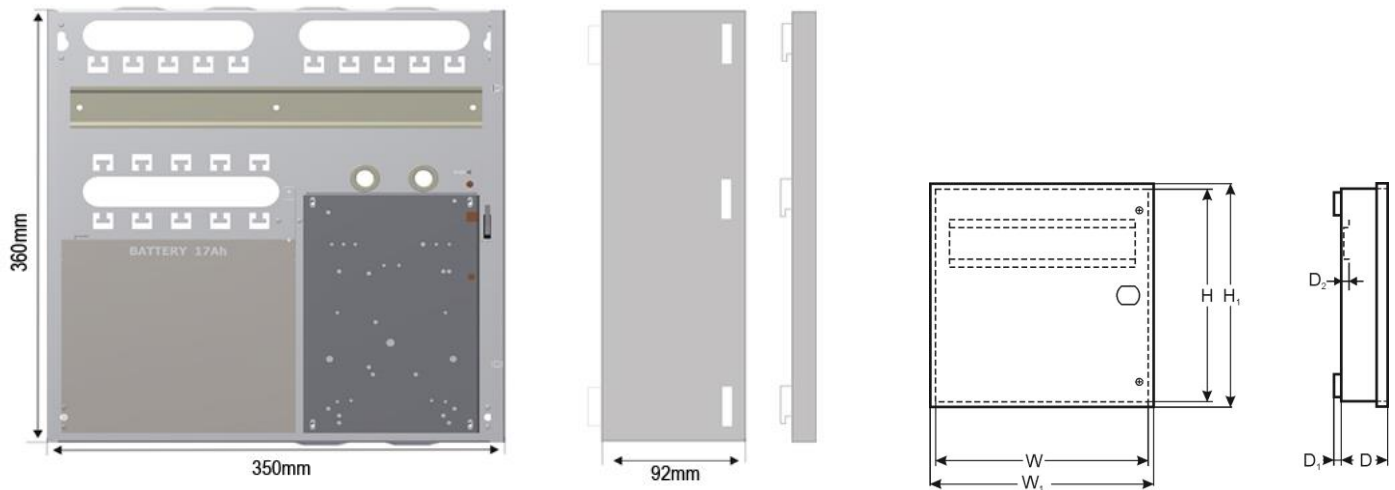
t - Thermal fuse 130°C, not resettable

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+15V DC	Switch mode
PS401230	12V/3A	40W	12V+15V DC	Switch mode
PS601250	12V/5A	60W	12V+15V DC	Switch mode
PS1001270	12V/7A	100W	12V+15V DC	Switch mode
PS15012100	12V/10A	150W	12V+15V DC	Switch mode
PS2001214	12V/14A	200W	12V+15V DC	Switch mode
PS402418	24V/1,8A	40W	24V+28V DC	Switch mode
PS1002435	24V/3,5A	100W	24V+28V DC	Switch mode
PS2002470	24V/7A	200W	24V+28V DC	Switch mode

PS602425	24V/2,5A	60W	24V+28V DC	Switch mode
PS1502450	24V/5A	150W	24V+28V DC	Switch mode
PSB351225	13,8V/2,5A	35W	12V+14V DC	Buffer, switch mode
PSB501235	13,8V/3,5A	50W	12V+14V DC	Buffer, switch mode
PSB1001270	13,8V/7A	100W	12V+14V DC	Buffer, switch mode
PSB15512110	13,8V/11A	155W	12V+14V DC	Buffer, switch mode
PSB352413	27,6V/1,3A	35W	24V+28V DC	Buffer, switch mode
PSB502418	27,6V/1,8V	50W	24V+28V DC	Buffer, switch mode
PSB1002435	27,6V/3,5A	100W	24V+28V DC	Buffer, switch mode
PSB1552455	27,6V/5,5A	155W	24V+28V DC	Buffer, switch mode

Fig.1 Examples of possible configurations:



Can be used for mounting transformers or power supply units:



Empty mounting plate



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



Transformers series: TOR...



Transformers series: TRP...



Transformers series: TRZ...

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