



INSTALLATION MANUAL

ENGLISH

Code: **AWO 612**

Name: **Surface mounted DIN 2/145 enclosure**

Metal enclosure for: Access Control Systems, IDS....

IM612



IP20



Edition: 4 from 01.03.2018
Supercedes edition: 3 from 30.09.2015

1. Application:

Due to its construction, the **AWO612** enclosure can be used as an element integrating electrical systems, automation systems, CCTV, Access Control Systems, IDS, etc. It is dedicated to equipment mounted on a DIN rail (TH35mm). The devices that can be mounted in the enclosure (depending on the configuration) are listed below:

1. Electric fuses of the „**S**” type
2. Transformers of the following series: **TRP, TRZ, TOR**
3. Power supplies of the following series:
 - **PS-15xxx, PS-40xxx, PS-60xxx, PS-100xxx, PS-150xxx, PS-200xxx**
 - **DINxxx**
4. Built-in buffer power supplies of the following series:
 - **PSB-25xxx, PSB-35xxx, PSB-50xxx, PSB-75xxx, PSB-100xxx, PSB-155xxx, PSB-300xxx**
 - **PSBOC25xxx, PSBOC35xxx, PSBOC50xxx, PSBOC75xxx, PSBOC100xxx, PSBOC155xxx, PSBOC300xxx**
5. Buffer power supply modules of the following series:
 - **MSRDxxx**
6. MEAN WELL power supplies for DIN rail of the following series:
 - **MDR, DR-I isolation class, DR-II isolation class**
 - **DRP, DRH, SDR, WDR, DRH**
 - **DR-UPS40 (buffer module)**
7. MEAN WELL built-in power supplies of the following series:
 - **RS-xx-xx**

2. Product description

The enclosure is fitted with 2 DIN rails with a length of 330mm, which corresponds to 18 fields of the "S" fuse. Battery space for two 17Ah / 12V batteries.

Tamper protection (opening of the housing) included. In the standard version, the housing is screwed with 2 screws from the front. The front of the housing is fitted with an opening for the lock which allows installation of a lock with the same code MR027 or with a different code MR008. The 8mm distance from the wall at the bottom makes the wires easier to connect to the devices mounted in the enclosure.

3. Mounting:

The enclosure is to be mounted by a qualified installer, holding relevant permits and licenses (applicable and required for a given country) for 230V/AC in and low-voltage installations.

The enclosure should be mounted in confined spaces with normal relative humidity (RH=90% maximum, no condensation) and temperature range from -10°C up to +40°C.

4. Technical parameters

TECHNICAL PARAMETERS	
Battery space	2 x 17Ah/12V
Tamper protection	1x – enclosure opening
TAMPER output load- max	500mA@50Vdc
Enclosure: IP	IP 20
Operation temperature	-10°C÷40°C
Relative humidity RH – max.	90 [%]
External dimensions of the enclosure	W=375, H =410, D+D₁=145+8 [-/+2mm]
External dimensions of the front panel	W1=382, H1=415 [+/- 2mm]
Distance of the TH35 DIN rail from the rear wall	D₂=8 [+/- 2mm]
The number of DIN rails/ length / the number of „S” fields	2/330mm/18

Possibility to mount additional equipment	Lock with the same code MR027 Lock with a different code MR008
Finish	Electrolytic galvanized sheet DC01, 3µm zinc coating Corrosion protection: polyester paint, industrial use, color RAL 7035 (grey)
Application	Indoor/ Surface mounted
Net weight	~4.48 [kg]
Gross weight	~5.00 [kg]

Table 1.

Technical parameters of transformers that can be mounted in the housing:									
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
AWT500	TRP 50/16/18/20	PC/ABS UL94 V-0 IP30	50VA	230V/AC	0,25A	16V or 18V or 20V	3,0A or 2,8A or 2,5A	T 500mA/250V	130°C
AWT524	TRP 50/17/24/30	PC/ABS UL94 V-0 IP30	50VA	230V/AC	0,25A	17V or 24V or 30V	2,9A or 2,1A or 1,7A	T 500mA/250V	130°C
AWT800	TRP 80/16/18/20	PC/ABS UL94 V-0 IP30	80VA	230V/AC	0,4A	16V or 18V or 20V	5,0A or 4,5A or 4,0A	T 630mA/250V	130°C
AWT824	TRP 80/17/24/30	PC/ABS UL94 V-0 IP30	80VA	230V/AC	0,4A	17V or 24V or 30V	4,7A or 3,3A or 2,7A	T 630mA/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- Transformer enclosure

S - Power

U - Supply voltage

I - Current draw at nominal load with 230V AC mains

U1 or U2 or U3 - Secondary voltage

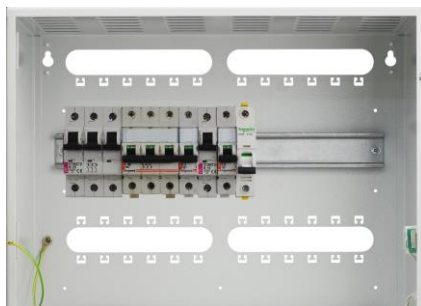
I1 or I2 or I3 - Nominal output current

F - F fuse in the transformer primary circuit

t- 130°C non-resettable thermal fuse

Sample Configurations:

- Electric fuses of the: „S” type



- Transformers of the following series: TRP, TRZ, TOR + AWO466 / AWO467



- Power supplies of the following series: PSxxx + PSDIN1 / PSDIN2, DINxxx



- Built-in buffer power supplies of the following series:
PSB, PSBOC + PSDIN1 / PSDIN2 + batteries (2x7Ah, 2x17Ah)



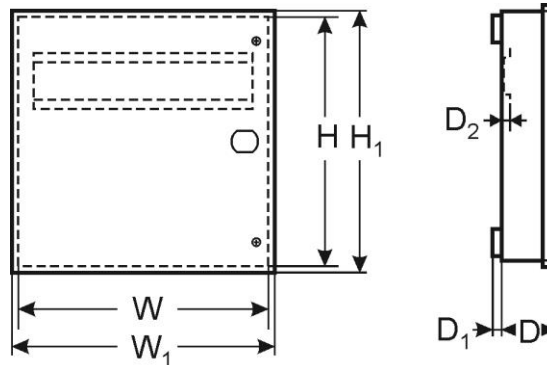
- Buffer power supply modules of the following series: MSRDxxx + TORxxx + AWO467



- MEAN WELL power supplies for DIN rail of the following series:
 - MDR, DR-I isolation class, DR-II isolation class
 - DRP, DRH, SDR, WDR, DRH
 - DR-UPS40 (buffer module)



- MEAN WELL built-in power supplies of the following series: RS-xxxx + PSDIN1 / PSDIN2



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