



## INSTALLATION MANUAL

ENGLISH

Code: **AWO 613**

Name: **Surface mounted DIN 3/145 enclosure**

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

**IM613**



**IP20**



Edition: 4 from 01.03.2018

Supercedes edition: 3 from 30.09.2015

### 1. Application:

Due to its construction, the **AWO613** 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 3 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	<b>2 x 17Ah/12V</b>
Tamper protection	<b>1x – enclosure opening</b>
TAMPER output load- max	<b>500mA@50Vdc</b>
Enclosure: IP	<b>IP 20</b>
Operation temperature	<b>-10°C÷40°C</b>
Relative humidity RH – max.	<b>90 [%]</b>
External dimensions of the enclosure	<b>W=375, H =585, D+D<sub>1</sub>=145+8 [-/+2mm]</b>
External dimensions of the front panel	<b>W1=382, H1=590 [+/- 2mm]</b>
Distance of the TH35 DIN rail from the rear wall	<b>D<sub>2</sub>=8 [+/- 2mm]</b>
The number of DIN rails/ length / the number of „S” fields	<b>3/330mm/18</b>

Possibility to mount additional equipment	<b>Lock with the same code MR027</b> <b>Lock with a different code MR008</b>
Finish	<b>Electrolytic galvanized sheet DC01, 3µm zinc coating</b> <b>Corrosion protection: polyester paint, industrial use, color RAL 7035 (grey)</b>
Application	<b>Indoor/ Surface mounted</b>
Net weight	<b>~6.05 [kg]</b>
Gross weight	<b>~6.70 [kg]</b>

**Table 1.**

<b>Technical parameters of transformers that can be mounted in the housing:</b>									
<b>CODE</b>	<b>NAME</b>	<b>C</b>	<b>S</b>	<b>U</b>	<b>I</b>	<b>U1 or U2 or U3</b>	<b>I1 or I2 or I3</b>	<b>F</b>	<b>t</b>
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

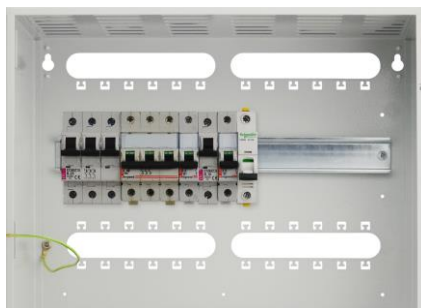
**I1 or I2 or I3** – Nominal output current

**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)



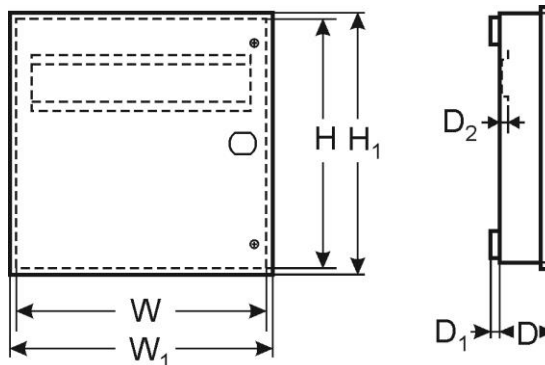
- Buffer power supply modules of the following series: MSRDxxx + TORxxx + AWO467



- 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



**PRODUCER**  
**Pulsar**  
 Siedlec 150, 32-744 Łapczyca, Poland  
 Tel. (+ 48) 14-610-19-40, Fax (+ 48) 14-610-19-50  
 E-mail: [biuro@pulsar.pl](mailto:biuro@pulsar.pl), [sales@pulsar.pl](mailto:sales@pulsar.pl)  
 http:// [www.pulsar.pl](http://www.pulsar.pl), [www.zasilacze.pl](http://www.zasilacze.pl)