INSTALLATION MANUAL
ENGLISH
Code: **AWO 622PW**
Name: **Enclosure DIN 2/90 with fan - flush mounted**
Metal enclosure for: Access Control Systems, IDS,....

IM622PW

IP20 RoHS

Edition: 3 from 01.03.2018
Supercedes edition: 2 from 09.01.2017

1. Application:

Due to its construction, the **AWO622PW** 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-15xxxx, PS-40xxxx, PS-60xxxx, PS-100xxxx, PS-150xxxx, PS-200xxxx**
   - **DINxxxx**
4. Built-in buffer power supplies of the following series:
   - **PSB-25xxxx, PSB-35xxxx, PSB-50xxxx, PSB-75xxxx, PSB-100xxxx, PSB-155xxxx**
   - **PSBOC25xxxx, PSBOC35xxxx, PSBOC50xxxx, PSBOC75xxxx, PSBOC100xxxx, PSBOC155xxxx**
5. Buffer power supply modules of the following series:
   - **MSRDxxxx**

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). The enclosure is lockable with the same MR027 code. Cables can be introduced into the enclosure through openings in the side walls (extrusion to clearance) or from the rear side, since there is 8mm distance between the bottom and wall.
The enclosure is fitted with removable, adjustable flange. Such solution allows:
- Protection of the flange during renovation and construction work;
- Easy and aesthetic installation even in case of uneven ground;
- Adjusting the depth of the housing.

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 External dimensions of the flange The number of DIN rails/ length / the number of „S" fields Distance of the TH35 DIN rail from the rear wall	**W=375, H=410, D+D_1=93+8 [-/+2mm]** **W_1=410, H_1=445 [+/-2mm]** **2/330mm/18** **D_2=8 [+/-2mm]**
Possibility to mount additional equipment	**Lock with a different code MR008**
Finish	**Electrolytic galvanized sheet DC01, 3µm zinc coating** **Corrosion protection: polyester paint, industrial use,** **color RAL9003 (white)**
Application	**Indoor/** **flush mounted**
Net weight	**~4.42 [kg]**
Gross weight	**~5.05 [kg]**
Warranty	**2 year from the production date**

Table 1.

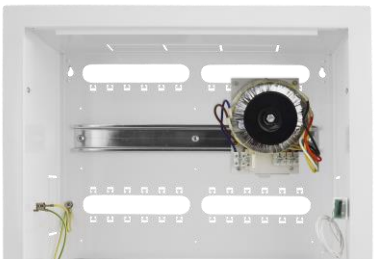
Technical parameters of transformers that can be mounted in the housing:									
CODE	**NAME**	**C**	**S**	**U**	**I**	**U1 or U2 or U3**	**I1 or I2 or I3**	**F**	**t**
AWT053	TRP 20/12/14	PC/ABS UL94 V-0 IP30	20VA	230V/AC	0,12A	12V or 14V	1,6A or 1,4A	T 200mA/250V	130°C
AWT050	TRP 20/16/18	PC/ABS UL94 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

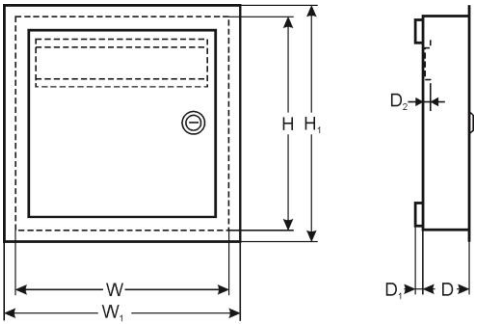
- Transformers of the following series: TRP, TRZ, TOR + AWO466 / AWO467



- 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: MSRDxxxx + TORxxxxx + AWO467



PRODUCENT / 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, sales@pulsar.pl
http:// www.pulsar.pl, www.zasilacze.pl