ASSEMBLY INSTRUCTION
ENGLISH
v1.2
Code: **AWO532W**
Name: **RACK 3U vertical withe housing**

IM532W

Edition: 3 from 23.06.2022
Supersedes edition: 2 from 14.03.2022

1. Product description.

Vertical surface-mounted RACK 3U enclosure is universal solution for organizing and protecting against unauthorized access or theft of devices in RACK 19" standard with total height of up to 3U. It has special system for hanging devices with possibility of choosing 3 mounting heights and convenient way to remove devices from enclosure. There are also special holders for mounting straps for devices without RACK mounting standard. Inside is double ~ 230 V power socket with power connector equipped with glass fuse.

Enclosures construction is compliant with requirements of General Data Protection Regulation (GDPR), as personal data must be protected and stored securely (possibility of installing two locks with different codes).

Possibility of install inside:

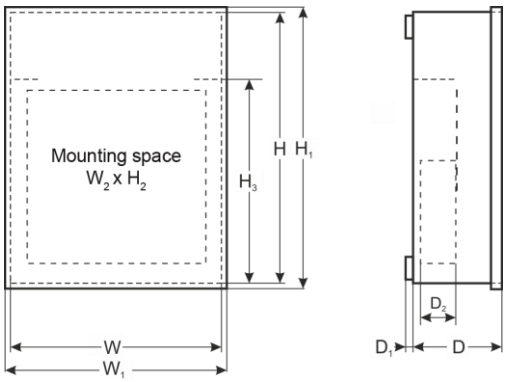
- Switche PoE – adapter RAPDS / RACK brackets
- Recorder – back enclosure – straps – ZPR / RACK bracket
- Power supply units: PS-12V10A, PS-12V15A, PS-48V3A, PSB-12V10A, PSB-12V15A, PSB-24V5A, PSB-24V7A, PSB-48V3A.
- Batteries
- **Mounting space:** 530x380x155 [mm +/-2] (WxHxD)

Main features:

- Surface mounted construction - compact and convenient solution
- Removable door (convenient installation of wiring and other equipment)
- RACK brackets – 3U, ith adjustable mounting height on 3 levels
- Knock-outs and holes in back of enclosure.
- Enclosure screwed with M4 screws or closed with key locks (option)

2. Technical parameters

External dimensions of enclosure	**W=535, H=540, D+D_1=163+14 [-/+2mm]**
External dimensions of front panel	**W_1=541 H_1=545 [-/+2mm]**
Mounting space	**W_2=530 H_2=380, D_2=155 [-/+2mm]**
Position of RACK 19" profiles	**H_3=380 or 324 or 268 [-/+2mm]**
Fitting battery	**4x7 Ah; 2x17 Ah**
Net/Gross weight	**8,16 / 9,14 [kg]**
Operation conditions	**Temperature: -10°C ÷ +40°C relative humidity 20%...90%, without condensation**
Material	**DC01 sheet, thickness: 1mm, colour: RAL9003 (white) - anticorrosion protection**
Antisabotage protection	**1 x microswitch: enclosure opening 0,5 A; 50 V DC max. NC – normally closed contacts Optionally: 1 x microswitch: detachment form wall, 0,5A; 50 V DC (required PKAZ067)**
Destination	**Inside**
Components	**2x bracket RACK 3U**
Declarations, warranty	**CE, 2 years from production date**
Notes	**Optional: possibility of installing two locks (MR008 - different code), distance from wall (mounting sourface) – 14mm RACK brackets – 3U**



3. View of enclosures

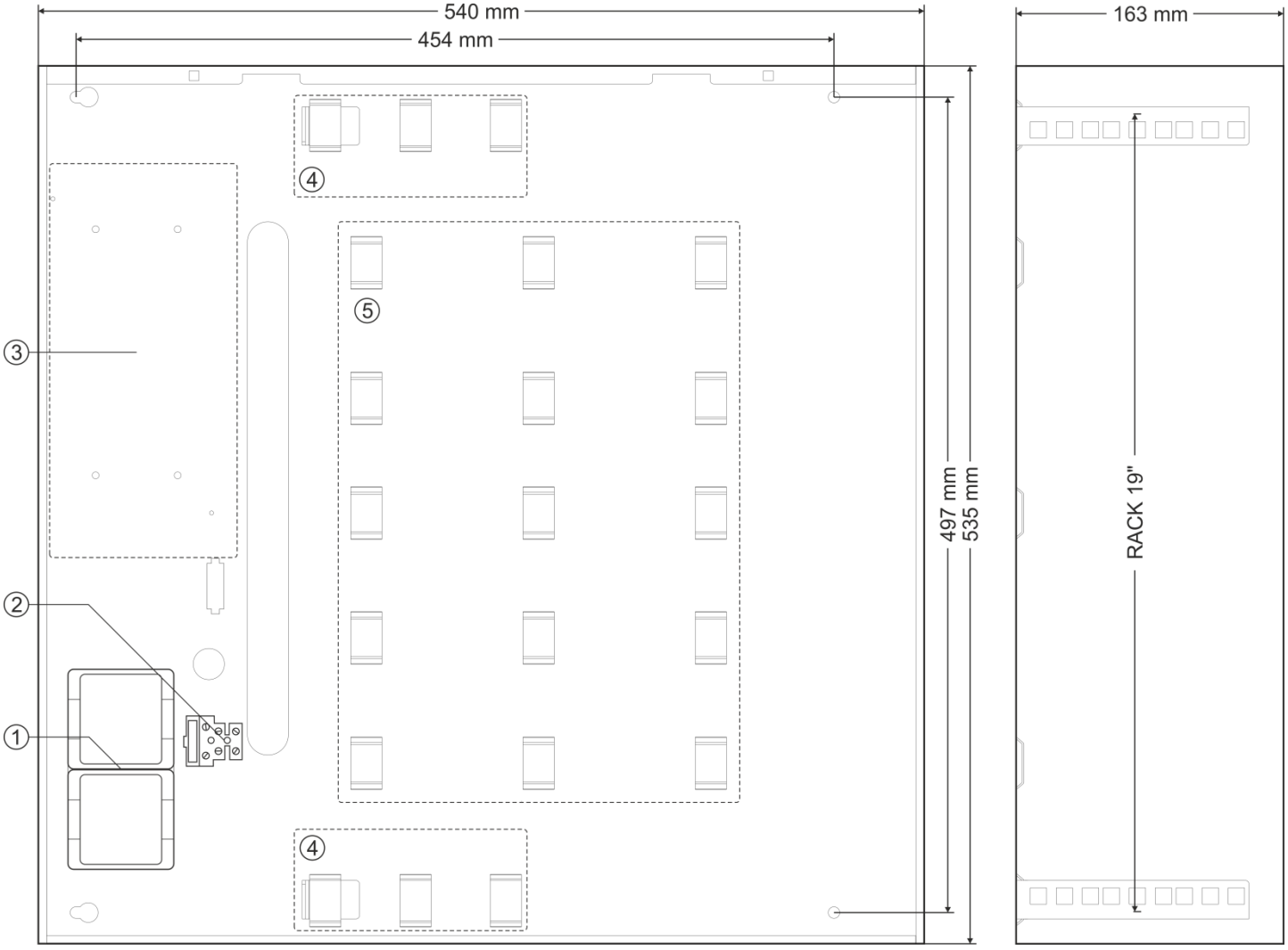


Fig. 1. The enclosure view

Table 2. (See Fig. 1)

Component No. (Fig. 1)	Description
[1]	Power Socket of ~230 V
[2]	Power supply connector – L, N Protective conductor connector
[3]	Space for power supply (see: possibility of install inside)
[4]	Brackets for mounting RACK
[5]	Holders for mounting straps

4. Installation.

4.1 Requirements.

Enclosure should be mounted by a qualified installer, holding relevant permits and licenses (applicable and required fora given country) for 230 V and low-voltage installations. Device shall be mounted in confined spaces with normal air humidity (RH=90% max. without condensation) and temperature from -10°C to +40°C. Enclosure shall work in a vertical position that guarantees sufficient convectional air-flow through ventilating holes of enclosure.

4.2 Installation procedure

Before installation, cut off voltage in the 230 V power-supply circuit.
To switch power off, use an external switch, in which the distance between the contacts of all poles in disconnection state is not less than 3mm.

1. Mount PSU in a selected location and connect wires.
2. Connect power cables (230 V) to L-N clips of PSU.

Shock protection circuit shall be performed with a particular care, i.e. yellow and green wire coat of power cable shall stick of terminal - marked with '⏚' symbol on PSU enclosure. Operation of PSU without properly made and fully operational shock protection circuit is UNACCEPTABLE! It can cause a device failure or an electric shock.

3. Connect ground wire to terminal marked with ⏚ symbol (power supply module connector). Use a three-core cable (with a yellow and green ⏚ protection wire) to make connection. Lead the cables to the appropriate clips through insulating bushing of the connection board
4. Screw brackets to devices and install them inside enclosure. Remember to place devices starting from rear of enclosure.
5. Make necessary electrical connections.
5. Connect the power (230 V).
6. After installing and checking proper working, enclosure can be closed.

5. Examples of configurations.

(presented devices are not part of equipment).

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