MOUNTING ISTRUCTIONS
V1.0
Code: **AWO306S**
Name: **Casing 28/TRP80/SATEL/GRADE 3**

EN

IM306S
Edition I of 2025-01-21

DESTINATION

The AWO306S metal enclosures compliant with **EN50131-1 GRADE3** are designed as components (supplying) of intrusion systems, access control systems, security systems etc.

There are intended for installation:
- control panel optional with supplementary modules
- access control controllers with optional modules
- radio or GSM transmitter with optional PSU module
- other dedicated devices, components etc.

TECHNICAL DATA

Electrical parameters:

Power supply:	230 V AC / 50 Hz / 0.4 A
Fuse:	Fuse in 230 V AC circuit - T glass fuse 630 mA/250 V
Power supply output:	5 A / 16 V AC or 4.5 A / 18 V AC or 4 A / 20 V AC Output power: 80 VA
Standards:	Compliant with intrusion norm EN50131-1:2006 + A1:2009 + A2:2017 + A3:2020, Grade 1÷3
Protections:	SCP - short circuit protection - T glass fuse 630 mA / 250 V OLP - overload protection - T glass fuse 630 mA / 250 V OHP - thermal protection - non ressetable fuse 130°C Tamper protection - opening enclosure, removal from the wall (0.5A / 50 V DC, NC - normally closed)
Protection class EN 62368-1:	I (first)
Transformer:	TRP 80VA - IP 30, PC/ABS , UL 94 V-0

Mechanical parameters:

Dimensions:	460 x 550 x 175 [mm, +/-2] distance from surface: 20 mm
External dimensions of front panel:	455 x 555 [mm, +/-2]
Dimensions of battery space :	1 x 7Ah / 1 x 17Ah / 1 x 28Ah
Material:	steel DC01, 1mm, RAL9003 (white), metallic, protection anticorrosion
Closing:	bolted
Destination:	indoor
Weight:	9.33 / 9.65 [kg]
Warranty:	2 years
Declaration:	CE, IAS

Operating parameters:

Protection grade EN60529:	IP 20
Operating conditions:	-10°C ... +40°C
Storage temperature:	-20°C ... +60°C
Relative humidity:	20% ... 90% , without condensation
Sinusoidal vibrations during operation:	unacceptable
Impulse waves during operation:	unacceptable
Direct insolation:	unacceptable
Vibrations and impulse waves during transport:	PN-83/T-42106

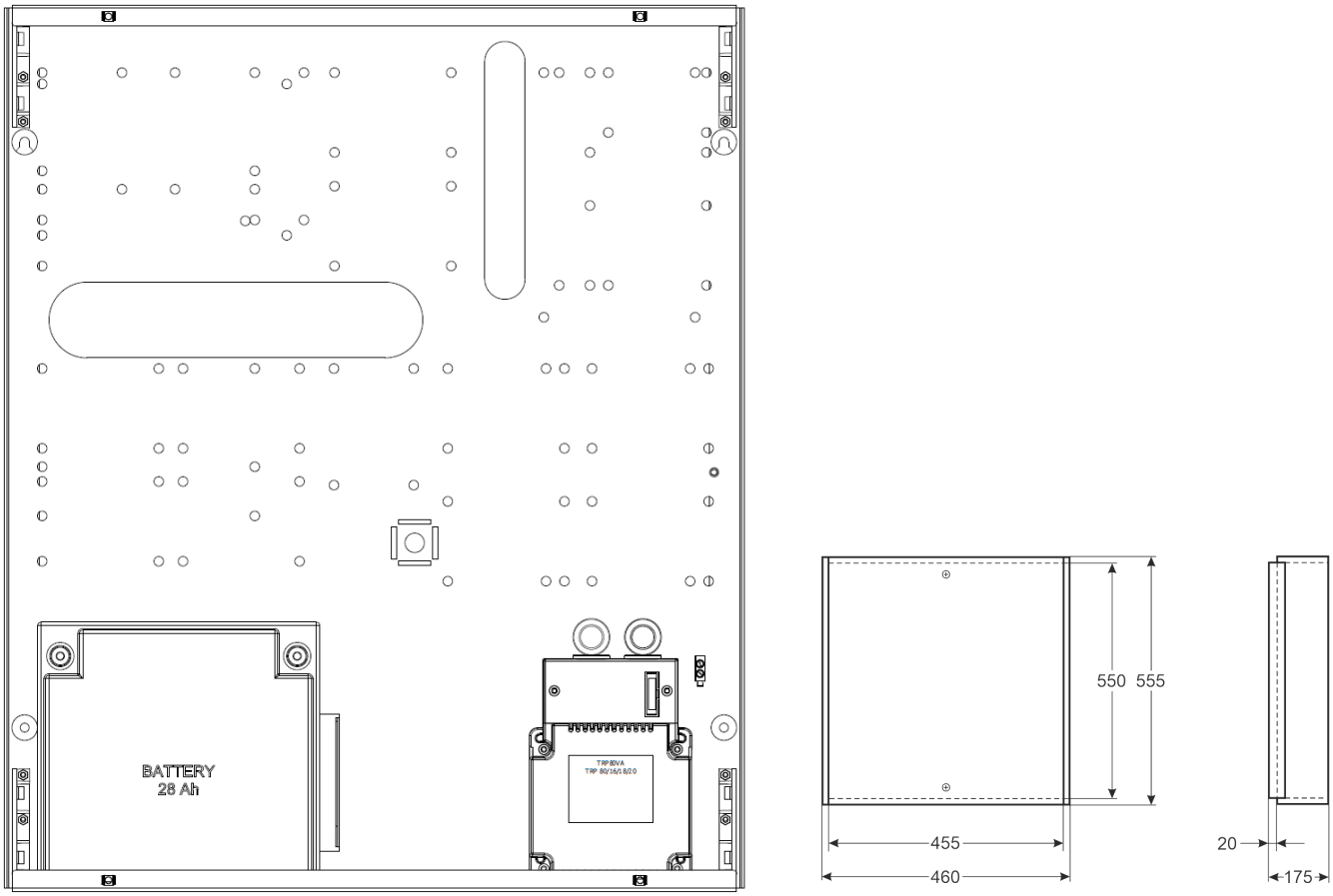
Panels which can be mounted in the casing:

SATEL:

Alarm control panels:
- Integra24, Integra32, Integra64, Integra64+, Integra128, Integra128+, Integra256+
- Versa Plus, Versa IP

Modules:
- INT-E, INT-ADR, INT-GSM, INT-KNX-2, INT-FI, INT-VG, INT-AV, INT-RS Plus (max. 15 pieces)
- INT-PP, INT-O, INT-R, INT-VMG, ETHM-1 Plus (max. 5 pieces)
- ACCO-KP, ACCO-KPWG (max. 1 piece)

Documentation shows which devices can be installed in a given enclosure. It does not define how many different devices can be installed in one enclosure. Number of installed devices depends on their size and arrangement.



Installation:

Metal enclosure must be installed by a qualified installer, holding relevant certificates, with necessary permits and authorisations (required in installation country) to connect (interfere) with ~230 V mains supply

Because the transformer is designed for the continuous operation and is not equipped with ON/OFF switch, the power supply circuit should have the appropriate overload protection. Moreover, the user shall be informed about the method of unplugging (most frequently through separating and assigning an appropriate fuse in the fuse-box). The electrical system shall follow valid standards and regulations. Enclosure shall follow mounted so as to ensure free, convection air flow through the vents.

Enclosure should be installed indoor, where the air humidity is normal (RH=90% max. without condensation) and temperature in the range of -10°C to +40°C.

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

It is required to install in the supply circuits, in addition to power supply, circuit breaker with 6 A nominal current.

1. Mountthe the module in enclosure with dedicated holes (using pins, screws etc.).
2. Mount enclosure in a dedicated location, lead the connection wires ~230 V and signal cables through the through suitable holes.
3. Supply conductors ~230 V should be connected to **230 V AC L-N** terminals of the transformer. Connect ground wire to terminal marked with grounding symbol: ⏚. Use a three-core cable (with a yellow and green protection wire) to make connection

Shock protection circuit shall be done with a particular care: yellow and green wire coat of power cable should be connected to terminal marked with the grounding symbol on enclosure ⏚. Operation of PSU without the properly made and fully operational shock protection circuit is UNACCEPTABLE! It can cause damage to equipment or an electric shock.

4. Connect transformer output to module power supply terminals, using installed cables.
   Notes: connect required voltage U1 or U2 for the correct device.
5. If necessary, make other connections required for correct type of system/device.
   Notes: consistent with requirements and recommendation of equipment producer.
6. Start system (switch on ~230 V, battery), adjust or configure: according to procedure of producer's system.
7. After installing and checking the proper operation of the system, close enclosure.

WEEE MARK
Waste electrical and electronic equipment must not be disposed of with normal household waste. According to EU WEE Directive – It is required not to dispose of electric or electronic waste as unsorted municipal waste and to collect such WEEE separately.

Device works with a lead-acid battery (SLA). After the operation period it must not be disposed of but recycled according to the applicable law.

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