OPU-3 P

MULTIPURPOSE HOUSING

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The OPU-3 P multipurpose housing is designed for indoor installation. It can accommodate alarm control panels, expanders with or without power supply unit, and other modules manufactured by the SATEL Company. In order to use devices with power supply, you need to purchase and install a suitable transformer (two transformer types are supported: 230 V/18 V AC, capacity 40 VA, and 230 V/20 V, capacity 60 VA).

The housing is made of white polystyrene. Its design, both modern and discreet, enables it to be used in public and living spaces. Fastening of its cover with four screws from the front, without hinges, facilitates access to the interior of the housing. The housing base can be built into the wall, thus making the cover only visible from the outside.

The housing has two tamper contacts which react to opening the cover and pulling off the housing from its mounting surface. Space is provided inside for a 12 V/7 Ah or 12 V/17 Ah battery. A special metal plate protects the battery against sliding out during installation. Furthermore, additional holders make it possible to secure the battery to the housing with a binding clip. Two plastic inserts with holes spaced suitably for plastic plugs fastening the electronics boards enable several modules to be installed inside the housing, e.g. the control panel and a few expanders without power supply. Its fastening enables the upper insert to be swung aside after its right- or left-hand side is released at catches. This feature ensures access to the board mounted on the lower insert. A special holder for GSM antenna enables a communication module to be installed without any need to place the antenna outside the housing.

1. Housing installation

A plastic bag, containing two tamper contacts, expansion plugs, two cables for transformer connection and two extra screws, is provided inside the housing. As the housing is protected for the time of transportation, it must be preliminarily prepared before the security alarm system devices can be installed.

1. Unscrew the two bolts fastening the metal plate which protects the battery against sliding out. Instead of bolts, use screws to secure the housing to the mounting surface during installation.
2. Remove the first plastic insert, which is catch-mounted.
3. Remove the two screws which fasten the second (lower) insert and remove it from the housing.
4. Pull the cables through holes in the housing base and secure the base to the mounting surface with four screws. Fasten the battery protecting plate under the two lower screws. Using another screw, attach to the surface (above the transformer place) the tamper element.
5. Arrange the layout of modules (see Figure 1 and Table 1) and insert the plastic plugs for fastening the electronics boards in their respective holes (make sure that the plugs do not slide out). It is recommended to place the board with power supply on the lower insert, tightly fastened to the base.
6. Using four screws, fasten the lower insert to the base (two extra screws are provided in the plastic bag).

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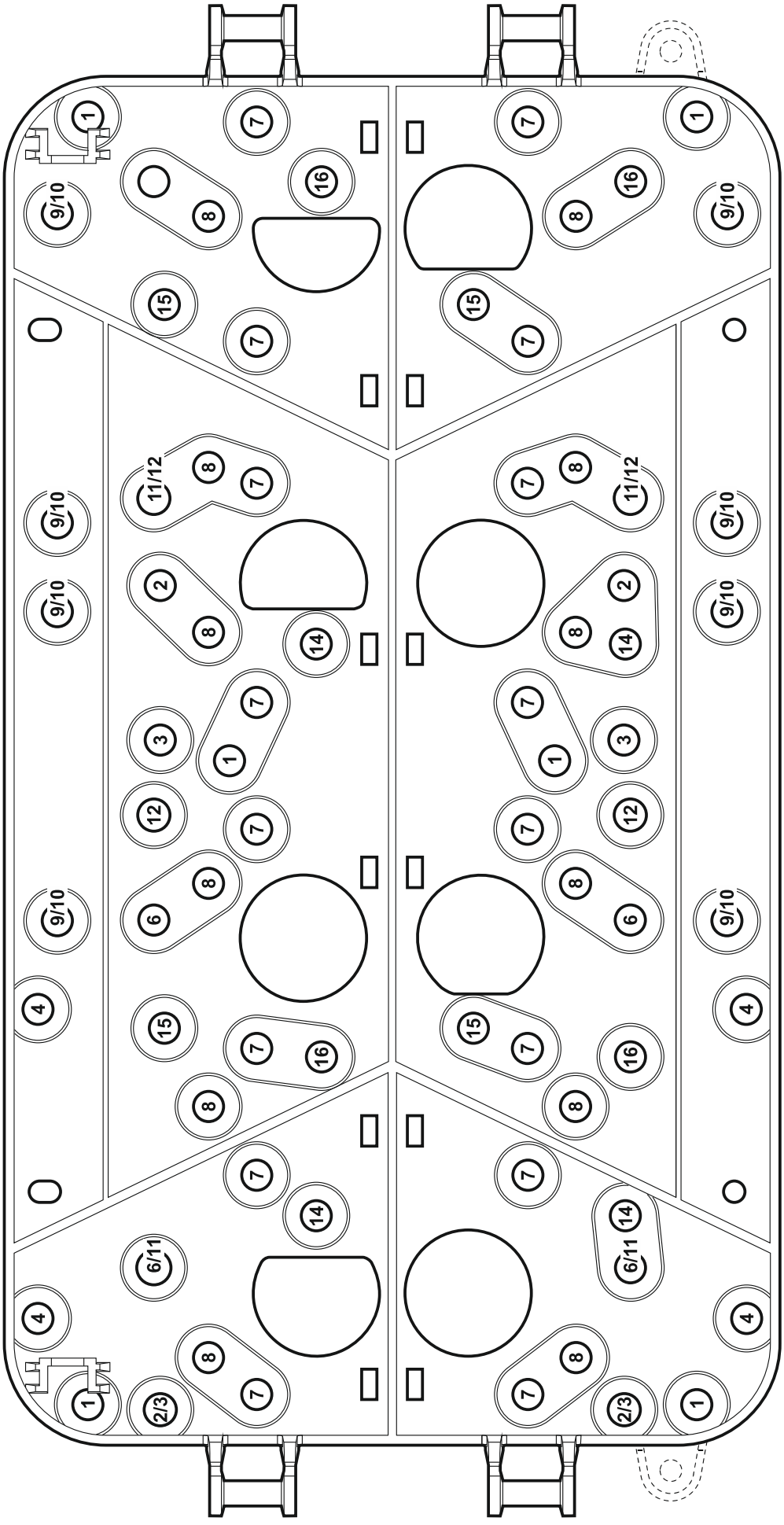

Hole marking	Devices mounted in the holes
1	CA-64 P, INTEGRA 64, INTEGRA 128, INTEGRA 256
2	CA-10 P, CA-64 PTSA, INTEGRA 32, INTEGRA 128-WRL, STAM-1 PTSA, VERSA IP, VERSA Plus
3	APS-30, CA-6 P, CA-64 OPS, CA-64 PP, INTEGRA 24
4	ACCO-KP-PS, ACX-201, CA-5
6	CA-4V1
7	CA-10 E, MST-1, ZB-2
8	CA-64 E, CA-64 SM, GPRS-T1, GPRS-T2, GPRS-T4, INT-ADR, INT-AV, INT-E, INT-FI, INT-KNX-2, INT-RS, INT-RS Plus, INT-VG, ISDN-SEP, MDM56 BO
9	CA-64 ADR, CA-64 EPS
10	CA-64 DR, CA-64 O, CA-64 SR, ETHM-1, ETHM-1 Plus, INT-O, INT-PP, INT-R, INT-VMG, MP-1, VIVER, VMG-16
11	GSM-4, GSM-5
12	ACCO-KP, ACU-100, ACU-120, ACX-200, GSM LT-1S, GSM LT-2S
14	ETHM-2, GPRS-T6, MICRA, VERSA 5
15	ACCO-NT, PERFECTA 16, PERFECTA 16-WRL, PERFECTA 32, PERFECTA 32-WRL, VERSA 10
16	VERSA 15

Table 1. List of devices fitting to the holes in plastic inserts of the OPU-3 P housing according to the Figure 1.

7. Using three screws, attach the transformer to the base (when a module with power supply is being installed). Connect the 230 V AC power leads to the corresponding transformer terminals.

Never connect two devices with power supply unit to one transformer.

Before connecting transformer to a circuit from which it will be powered, make sure the circuit is de-energized.

Transformer capacity must match the DC power supply output capacity.

When mounting several devices in one housing, draw up a load balance so as not to cause overloading of the power supply used. The sum of maximum currents consumed by the modules and the battery charging current must not exceed the power supply output current.

8. Solder the leads to the tamper contacts. The contact on electronics board is to be screwed from above to the post inside the housing so as to be closed after replacement of the cover. The other contact is to be snapped in the housing base catch so that the metal plate is pressed against the tamper element attached to the mounting surface.
9. Mount the electronic board(s) on plastic plugs of the lower insert and connect the leads to suitable terminals. The low-voltage output of the transformer (if installed) connect with two wires to the power supply AC inputs on the electronics board.

10. If the APS-30 power supply is to be mounted in the housing, secure the board with LED indicators to the top part of the post inside the housing, using the two screws supplied in the plastic bag. Drill three holes in the cover so as to accommodate the LEDs when the cover is closed.
11. Place the upper insert with electronics boards in the catches and connect the leads to the terminals. Make sure that the length of cables connected to the modules is sufficient for the insert to be swung aside. Attach the cables to the insert, using binding clips.
12. Replace the cover and secure it with four screws to the housing base. Stop the screw holes with special hole plugs included in the delivery set. Please note that two right-hand and two left-hand hole plugs are provided. When inserted in the holes and pressed from above, the hole plugs should not protrude above the cover surface.

2. Specifications

Dimensions ..... 324x382x108 mm
Weight ..... 1850 g