

Quick installation guide

Full manual is available on www.satel.pl. Scan the QR code to go to our website and download the manual.



The device should be installed by a qualified technician.

Changes, modifications or repairs not authorized by the manufacturer shall void your rights under the warranty.

Disconnect power before making any electrical connections.

Tips for installation

- The keypad should be installed indoors, in spaces with normal air humidity.
- Do not install the keypad outdoors.
- The place of installation should be readily accessible to the system users.
- Use the C/D bus to connect the keypad to the INTEGRA / PERFECTA 64 M / PERFECTA-IP 64 M / VERSA control panels.
- Use the RS bus to connect the keypad to the HYBRID / WIRE control panels.

C/D communication bus

- Use an unshielded non-twisted cable. If you use a twisted-pair cable, remember that CKM (clock) and DTM (data) signals must not be sent through a single twisted pair of wires.
- The wires must be run in one cable.
- The length of the cable must not exceed 300 m.

RS communication bus

- Use a UTP cable (unshielded twisted pair).
- The length of the bus must not exceed 1200 meters.
- If the device is connected at either end of the bus, place a $120 \Omega \pm 20\%$ resistor between the RSA and RSB terminals.
- Connect the COM terminals of all devices on the bus with an additional wire.

Power source

- The keypad requires 12 VDC power. It can be powered directly from the control panel, from an expander with power supply, or from an additional power supply.

Description of terminals

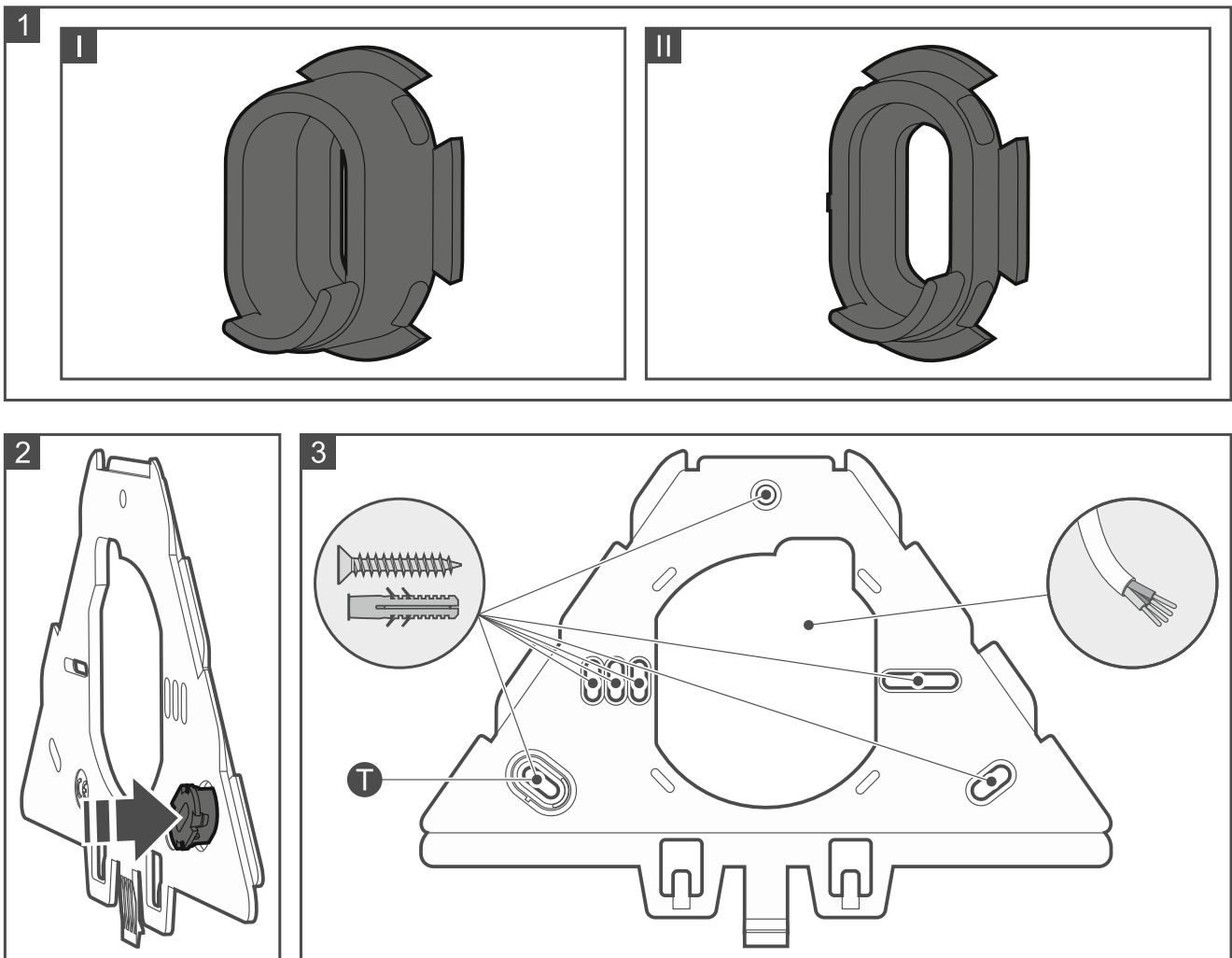
+12V	- power input.
COM	- common ground.
DTM	- data (C/D communication bus).
CKM	- clock (C/D communication bus).
RSA, RSB	- RS communication bus.
OT1, OT2	- terminals intended for future applications (outputs).
Z1, Z2	- zones.

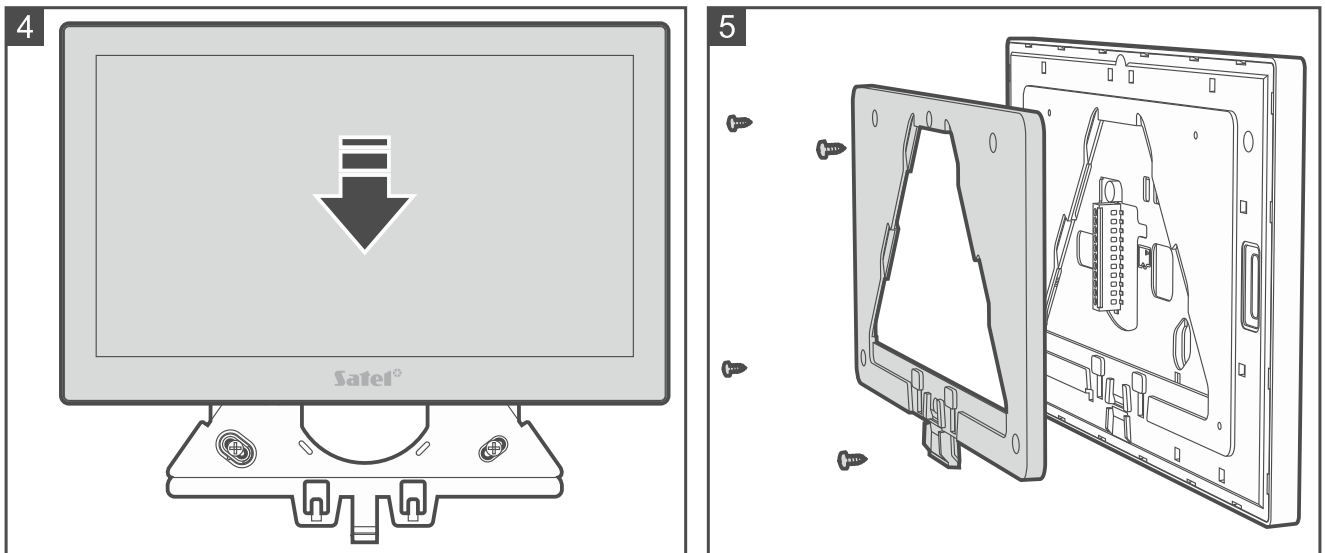
Mounting

Prior to mounting, remove the protective film from the keypad base.

Wall mounting

1. Install the large tamper insert (Fig. 1-I) on the bracket (Fig. 2).
2. Place the bracket against the wall and mark the location of the mounting holes (Fig. 3) and the hole in the tamper insert (the **T** symbol in Figure 3).
3. Drill the holes in the wall for wall plugs (anchors) in the marked spots. Use wall plugs specifically intended for the mounting surface (different for concrete or brick wall, different for plaster wall, etc.).
4. Run the cables through the hole in the bracket (Fig. 3).
5. Secure the bracket to the wall with screws.
6. Secure the tamper insert to the wall with a screw.
7. Screw the wires to the keypad terminals (see "Connecting").
8. Mount the keypad on the bracket (Fig. 4).





Mounting to the junction box

1. Mount the junction box on the wall and run the cables into the box.
2. Remove the screws and remove the enclosure base (Fig. 5).
3. Install the small tamper insert (Fig. 1-II) on the bracket (Fig. 2).
4. Place the bracket against the junction box so that the holes in the bracket align with the mounting holes in the junction box. Mark the location of the hole in the tamper insert on the wall (the **T** symbol in Figure 3).
5. Drill a hole in the wall for a wall plug (anchor) in the marked spot. Use a wall plug specifically intended for the mounting surface (different for concrete or brick wall, different for plaster wall, etc.).
6. Run the cables through the hole in the bracket (Fig. 3).
7. Secure the bracket to the junction box with screws.
8. Secure the tamper insert to the wall with a screw.
9. Screw the wires to the keypad terminals (see "Connecting").
10. Mount the keypad on the bracket (Fig. 4).

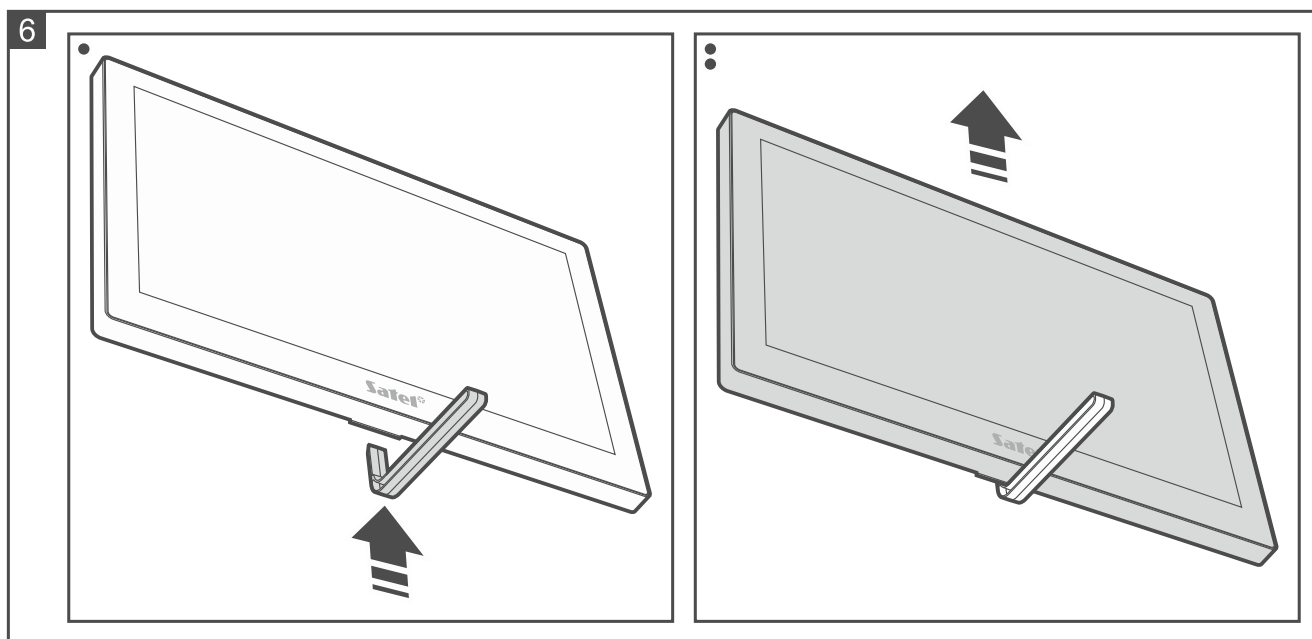
Connecting

1. Screw the communication bus wires to the keypad terminals.
2. If detectors are to be connected to the keypad zones, connect the wires to the Z1, Z2 and COM terminals (**the keypad COM terminal must be used**). Connect the detectors in the same way as to the control panel onboard zones.
3. Screw the power wires to the +12V and COM terminals.

Start-up

1. Power on the keypad.
2. If required, set the keypad address (see full installation manual).
3. Depending on the requirements of the system in which the keypad has been installed, identify the keypad or add it to the system (see full installation manual).

Removing the keypad from the bracket



To remove the keypad from the bracket, use the tool supplied with the keypad (Fig. 7).



If the alarm system is at work, start the service mode (INTEGRA / PERFECTA / VERSA) / diagnostic mode (BE WAVE) before you remove the keypad from the bracket. Otherwise you will generate a tamper alarm by removing the keypad from the bracket.

The declaration of conformity may be consulted at www.satel.pl/ce