



### Quick installation guide

Full manual is available on [www.satel.pl](http://www.satel.pl). Scan the QR code to go to our website and download the manual.



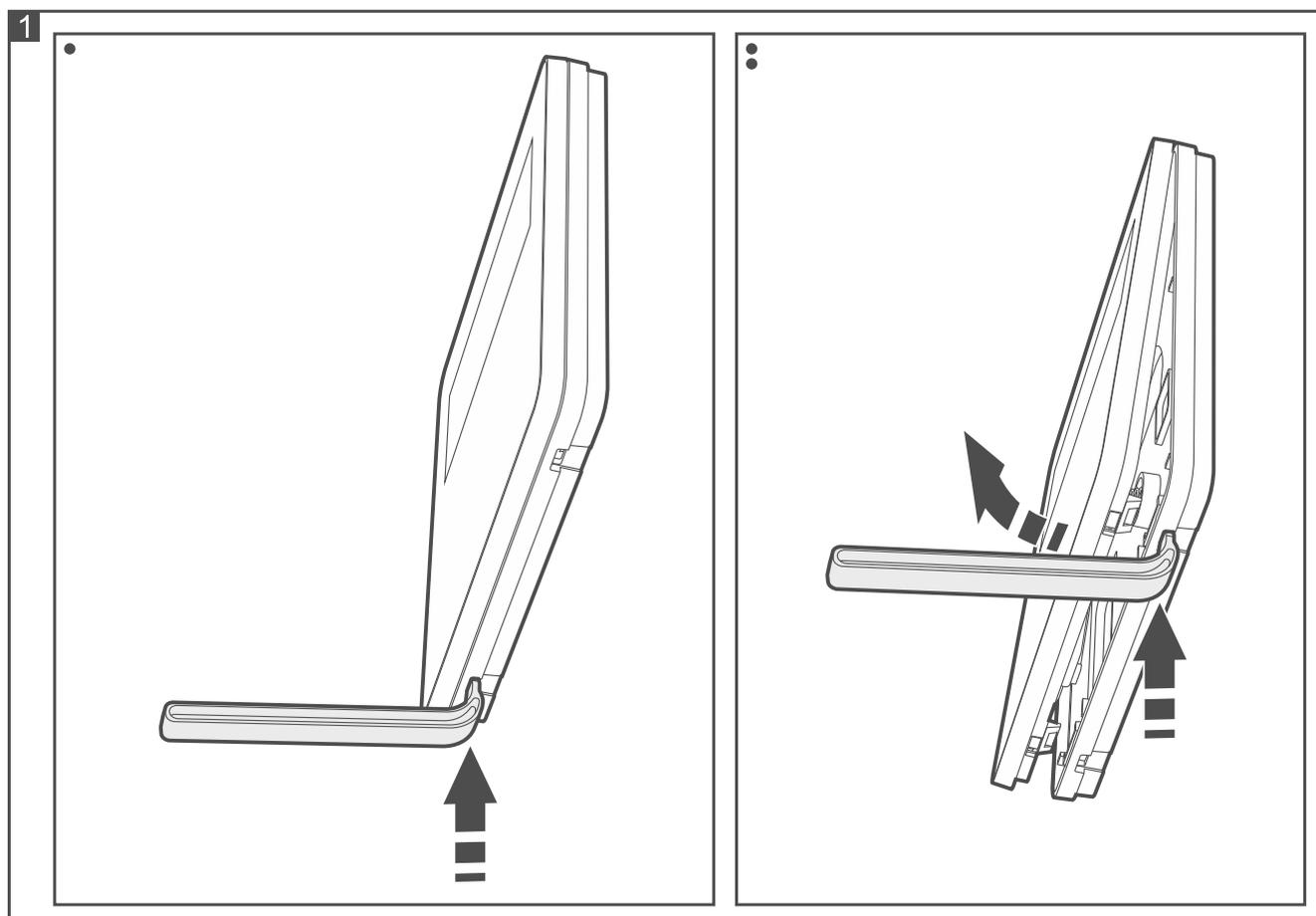
**The device should be installed by qualified personnel.**

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

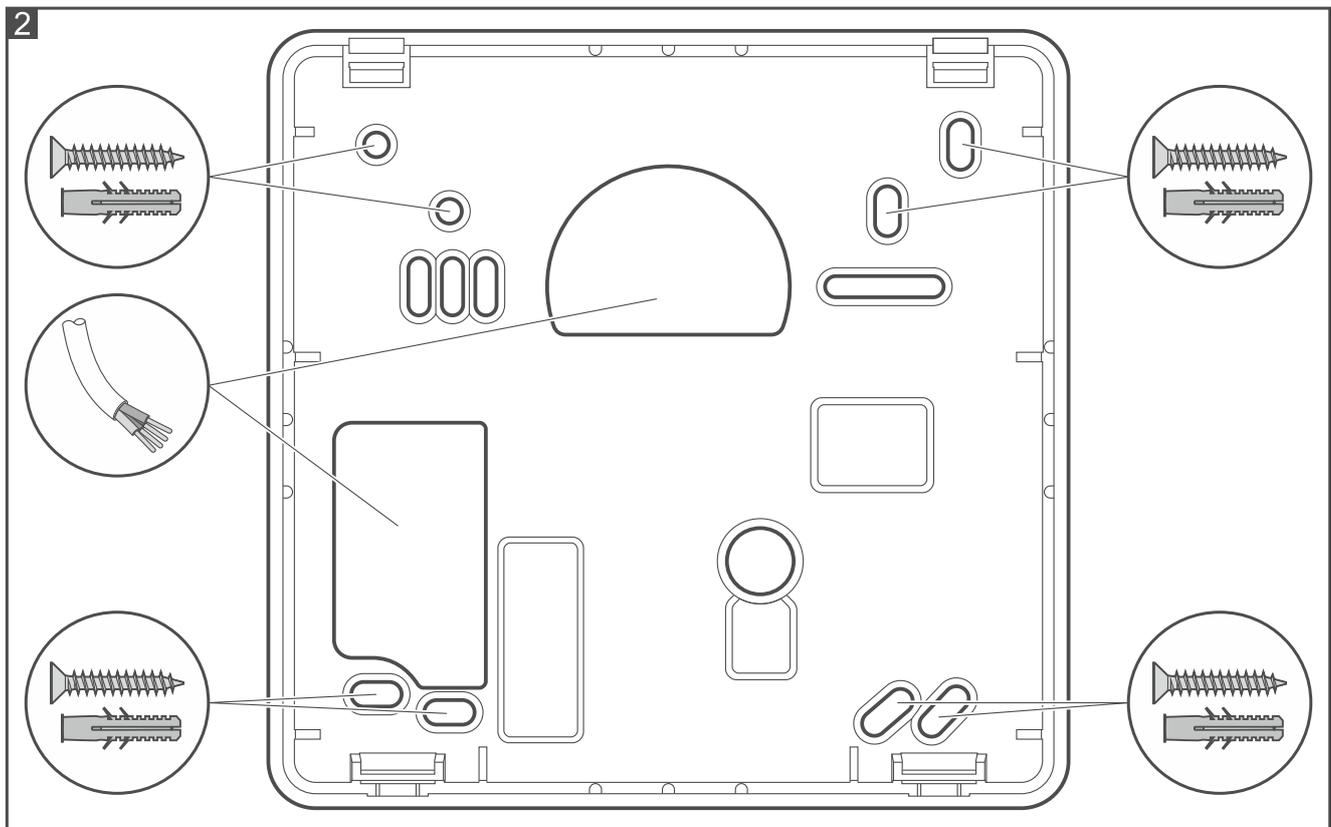
**Disconnect power before making any electrical connections.**

The keypad is designed for indoor installation. The place of installation should be readily accessible to the system users.

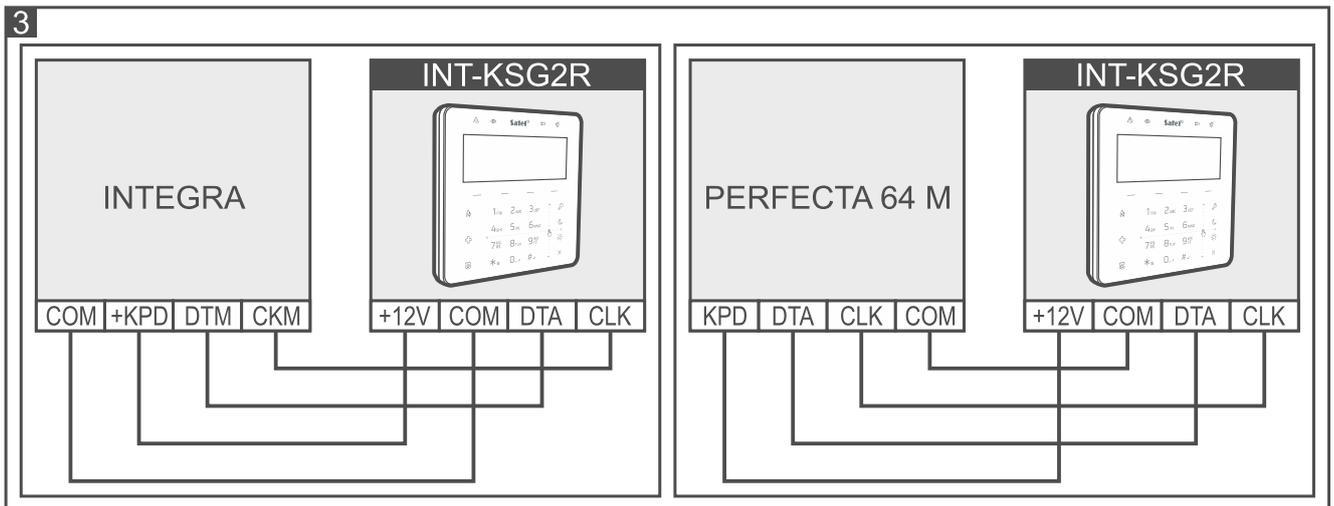
1. Open the keypad enclosure (Fig. 1). The enclosure opening tool, shown in the illustration, is included in the keypad delivery set.



2. Place the enclosure base against the wall and mark location of the mounting holes (Fig. 2).
3. Drill the holes in the wall for wall plugs (anchors).
4. Pass the cables through the opening in the enclosure base (Fig. 2).



5. Use wall plugs (anchors) and screws to secure the enclosure base to the wall. Proper wall plugs must be selected for the type of mounting surface (different for concrete or brick wall, different for plaster wall, etc.).
6. Connect the DTA, CLK and COM keypad terminals to the appropriate terminals of the control panel communication bus (Fig. 3). To make the connection, use an unshielded non-twisted cable. If you use the twisted-pair type of cable, remember that CLK (clock) and DTA (data) signals must not be sent through one twisted-pair cable. The wires must be run in one cable. The length of wires must not exceed 300 m.
7. If you wish to connect any detectors to the Z1 and Z2 zones, connect the wires to the terminals. Connect the detectors in the same way as to the control panel onboard zones (**use the keypad COM terminal**).
8. Connect the supply wires to the +12V and COM terminals. The keypad can be powered directly from the control panel or from an additional power supply unit.
9. Place the front panel onto the catches, snap close the enclosure.
10. Turn on the power supply, set the address and identify the keypad (see the full installer manual).



### Description of terminals

- +12V** - power supply input.
- COM** - common ground.
- DTA** - data.
- CLK** - clock.
- RSA, RSB** - RS-485 bus.
- OC1, OC2** - terminals provided for future applications.
- Z1, Z2** - zones.

Hereby, SATEL sp. z o.o. declares that the radio equipment type INT-KSG2R is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.satel.pl/ce](http://www.satel.pl/ce)