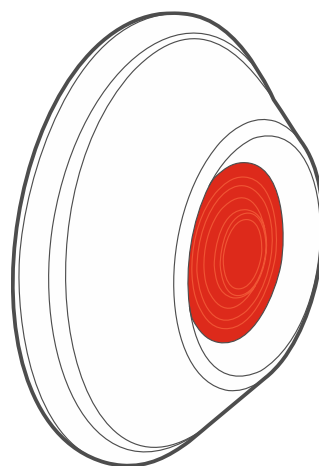




Panic Button
APB-200

Firmware version 1.01

EN



CE

apb-200_BW_en 01/26

IMPORTANT

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

Description of symbols on the device:



The device meets the requirements of the applicable EU directives.



The device must not be disposed of with other municipal waste. It should be disposed of in accordance with the existing rules for environment protection (the device was placed on the market after 13 August 2005).



The device is designed for indoor installation.



The device meets the technical regulations of the Eurasian Customs Union.

SATEL aims to continually improve the quality of its products, which may result in changes in their technical specifications and software. Current information about the changes being introduced is available on our website.

Please visit us at:
<https://support.satel.pl>

Hereby, SATEL sp. z o.o. declares that the radio equipment type APB-200 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

Signs in this manual



Caution – information on the safety of users, devices, etc.



Note – suggestion or additional information.

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The APB-200 button (Panic Button) is used to generate a panic alarm or call for help. It can be used to control the system. The manual applies to the button installed in the BE WAVE system.

1. Features

- Signal sent after a single push.
- Operation in the 868 MHz frequency band.
- AES encrypted two-way radio communication.
- Transmission channel diversity – 4 channels for automatic selection of the one that will enable transmission without interference with other signals.
- Remote settings programming.
- Remote firmware update.
- LED indicator.
- Powered by CR14250 3 V battery.
- Battery status control.
- Tamper protection against enclosure opening and removal from mounting surface.

2. Description

Electronics board

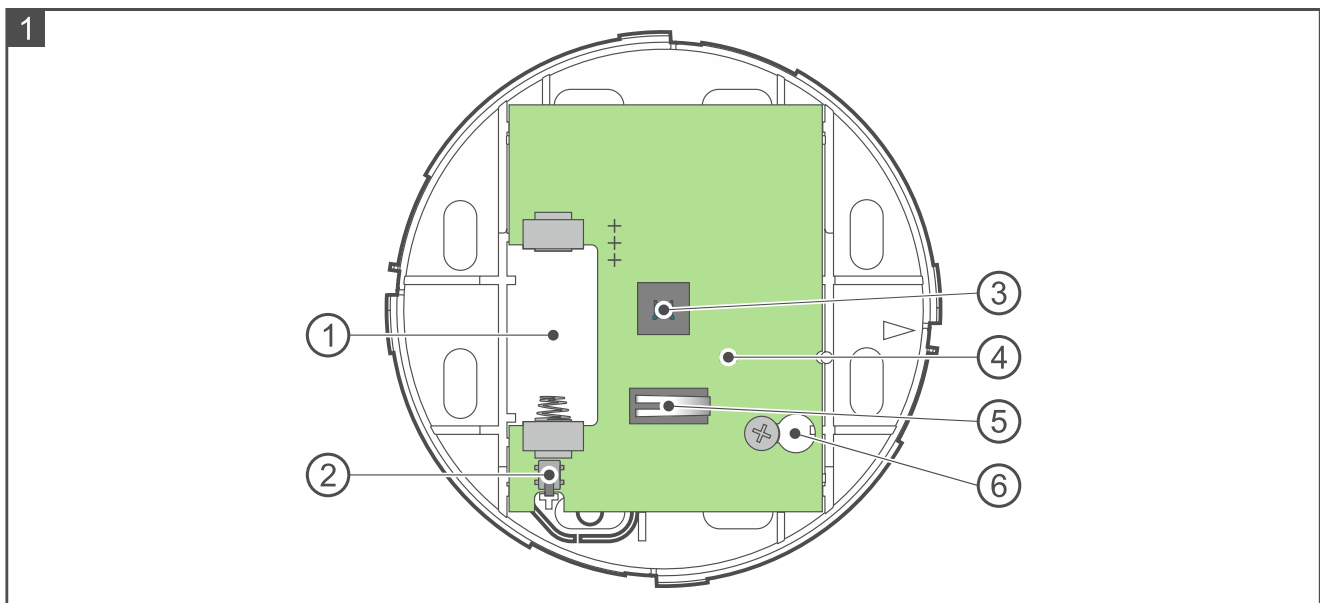


Figure 1 shows the inside of the button after removing the cover.

- ① battery holder (CR14250 3V).
- ② tamper switch activated by removal from mounting surface.
- ③ button.
- ④ LED indicator. It is flashing for about 5 seconds after inserting the battery (button warm-up). After that, it is only enabled while the diagnostics mode is started in the system. It indicates:
 - periodical communication – short flash.
 - button pressed – ON for 2 seconds.

- ⑤ tamper switch activated by enclosure opening.
- ⑥ fixing screw hole.

3. Installation



There is a danger of battery explosion when using a different battery than recommended by the manufacturer, or handling the battery improperly.

Do not crush the battery, cut it or expose it to high temperatures (throw it into the fire, put it in the oven, etc.).

Do not expose the battery to very low pressure due to the risk of battery explosion or leakage of flammable liquid or gas.

Be particularly careful during installation and replacement of the battery. The manufacturer is not liable for the consequences of incorrect installation of the battery.

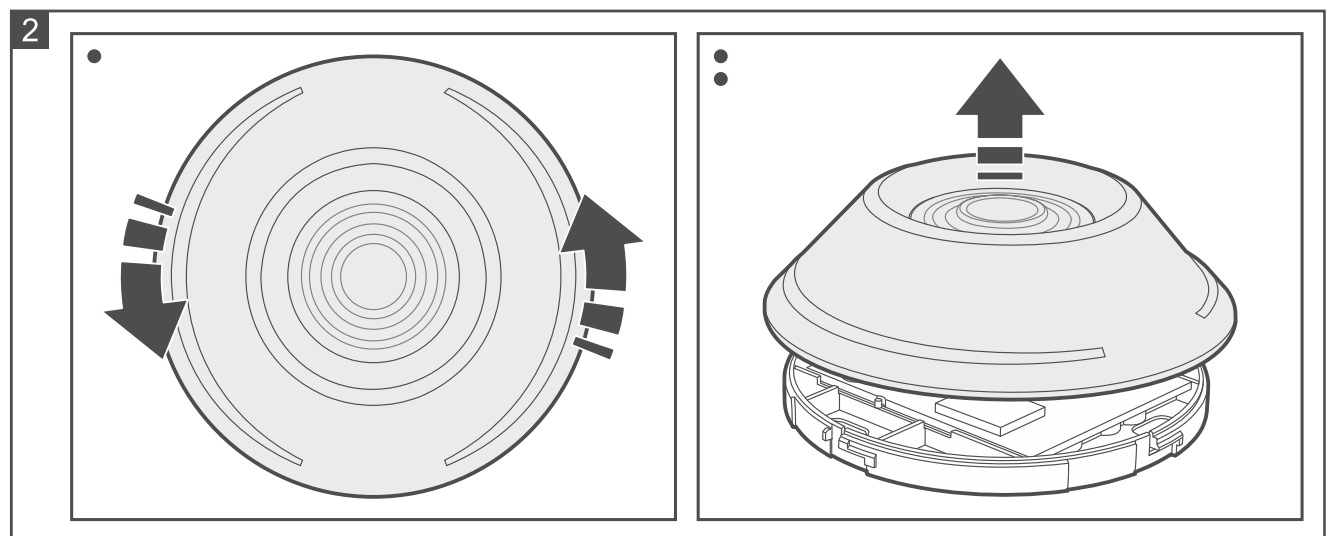
If the device is mounted higher than 2 meters above the ground, it may cause harm if it falls off.

3.1 Tips for installation

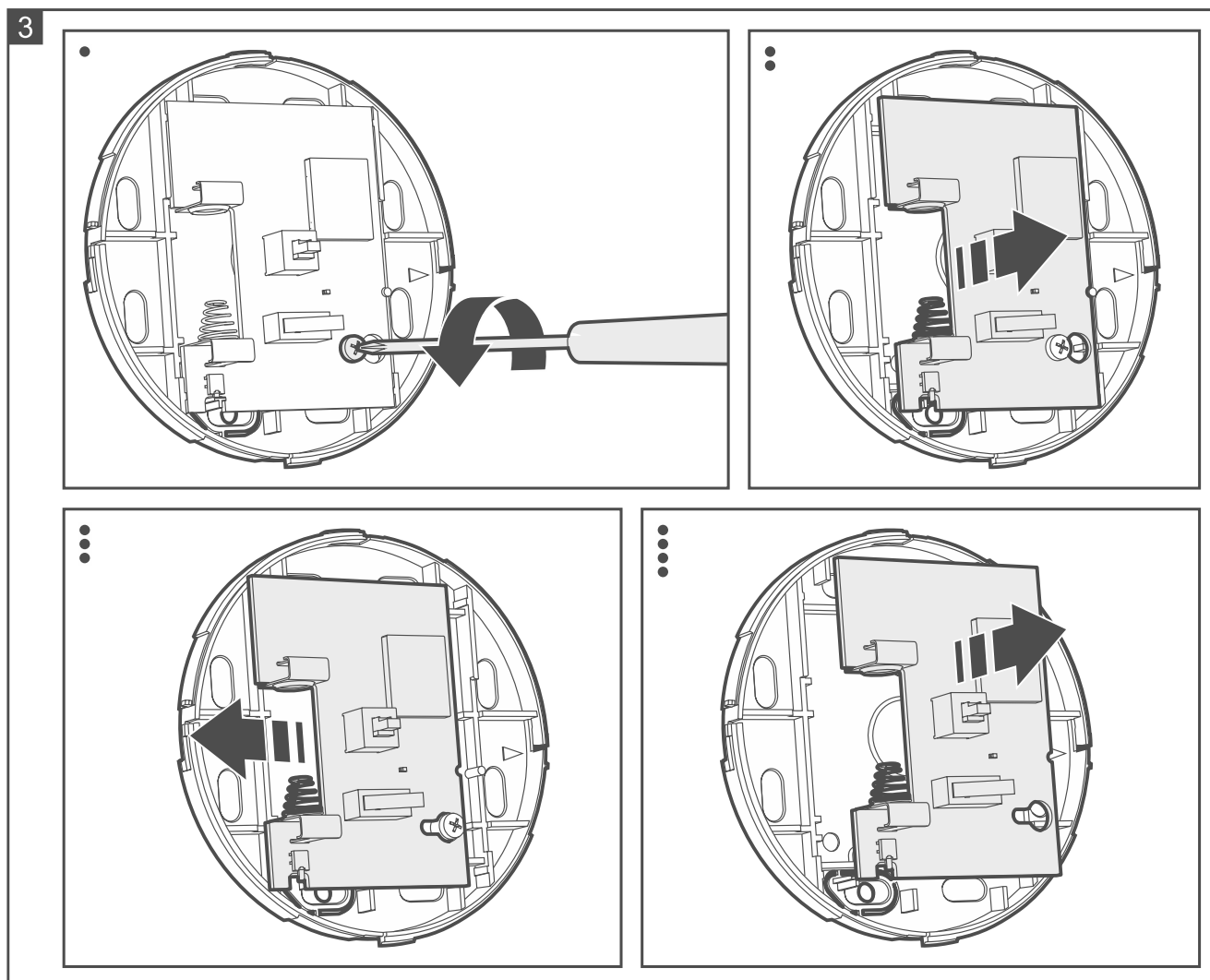
- The button should be installed indoors, in spaces with normal air humidity.
- Do not install the button outdoors.
- When selecting a place of installation, consider the radio communication range.
- Thick walls, metal partitions, etc. reduce the range of the radio signal.

3.2 Mounting

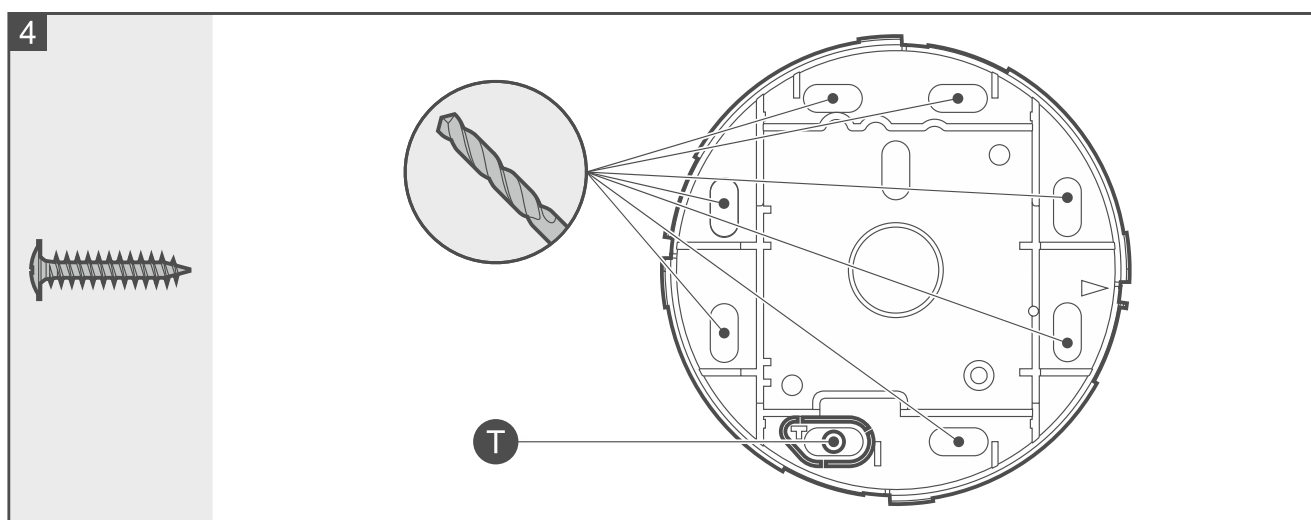
1. Remove the button cover (Fig. 2).



2. Remove the electronics board (Fig. 3).



3. Drill the holes for screws in the enclosure base (Fig. 4). We recommend to mount the enclosure base to the surface with 3 screws.



4. Use screws to mount the enclosure base to the surface. If necessary, select appropriate wall plugs (anchors) based on the type of the mounting surface (different for concrete or brick wall, different for plaster wall, etc.).

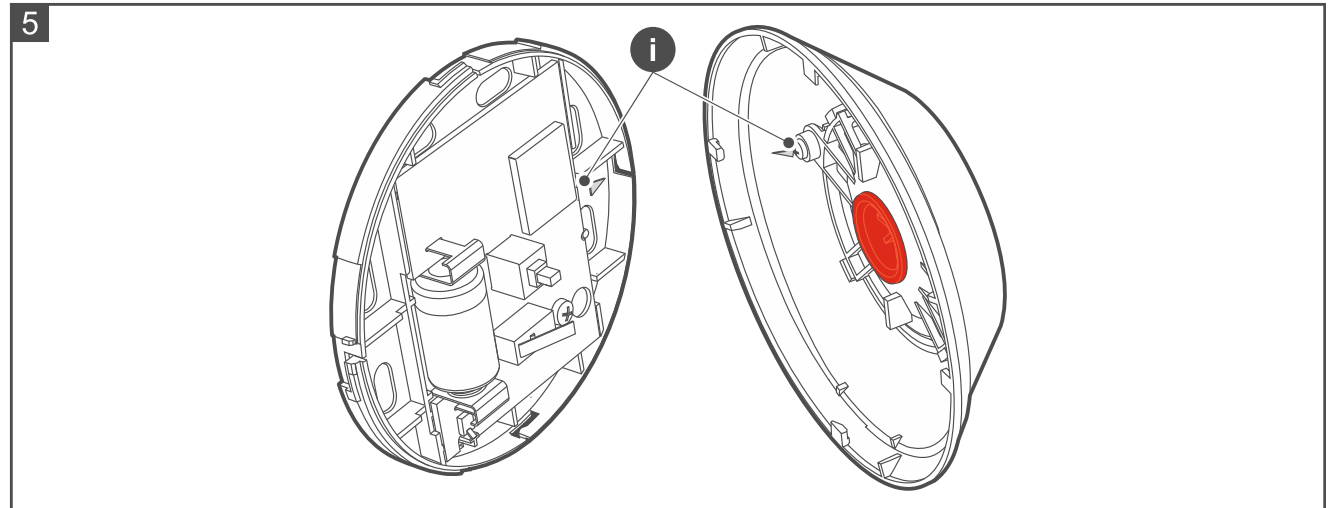


*In order for the detector to detect removal from the surface, fasten the screw in the place marked with the **T** symbol in the figure 4.*

5. Fasten the electronics board.
6. Add the button to the system (see the manual for the BE WAVE system controller or the BE WAVE Hybrid system control panel). When a request to turn on the device will be displayed, install the battery in the button.
7. Replace the button cover (Fig. 5).



The marks indicated by the **i** symbol in the figure 5 will help you close the enclosure.



4. Test

1. Enable the diagnostics mode in the system (see the manual for the BE WAVE system controller or the BE WAVE Hybrid system control panel).
2. Press the button to see if the LED indicator turns ON.
3. Disable the diagnostics mode.

5. Battery replacement



The used batteries must not be discarded, but should be disposed of in accordance with the existing rules for environment protection.

The Be Wave app will indicate that the battery in the button is low. The low battery should be replaced as soon as possible.

1. In the Be Wave app / BE WAVE Soft program, tap / click the room in which the button is installed.
2. Tap / click the button name.
3. Start the *Battery replacement* function.
4. Remove the button cover (Fig. 2).
5. Remove the low battery.
6. Wait 1 minute.
7. Install the new battery.
8. Replace the button cover.
9. Start the *Unbypass device* function in the Be Wave app / BE WAVE Soft program.

6. Specifications

Operating frequency band.....	868.0 MHz ÷ 868.6 MHz
Radio communication range (in open area)	up to 1200 m
Battery.....	CR14250 3 V
Battery life expectancy	up to 2 years
Standby current consumption	55 µA
Low battery voltage threshold	2,75 V
Environmental class according to EN 50130-5	II
Operating temperature range.....	-10°C...+55°C
Maximum humidity	93±3%
Dimensions	ø97 x 29 mm
Weight.....	73 g