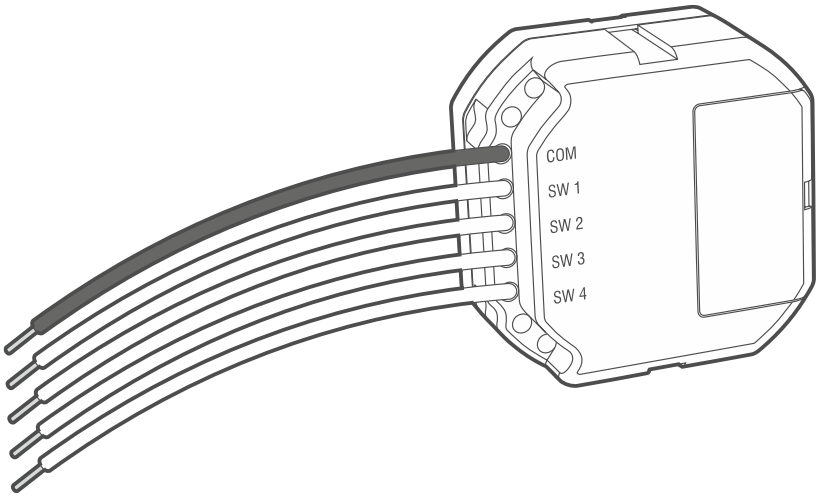
Smart Switch Controller

ATX-200

EN

Firmware version 1.00



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IMPORTANT

The device should be installed by qualified personnel.

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.

Prior to installation, please read carefully the manual.

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 ATX-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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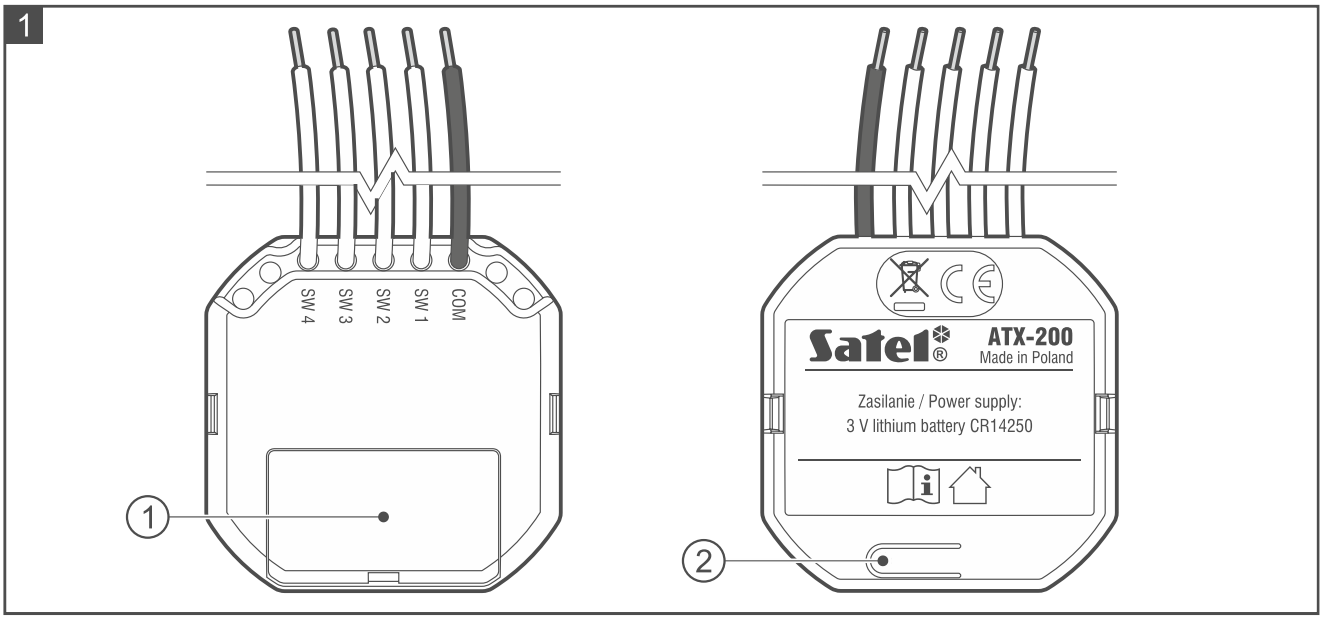
The ATX-200 module (Smart Switch Controller) enables electrical switches to be used to control the system. The manual applies to the detector installed in the BE WAVE system.

1. Features

- 4 control inputs:
  – capability to operate a push-button or a switch,
  – capability to control any device in the system.
- 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.
- Powered by CR14250 3 V battery.
- Battery status control.
- Installed in a flush- or surface-mounted junction box with a minimum diameter of 60 mm.

2. Description



① battery holder cover (CR14250 3 V). Use a screwdriver to remove the cover (Fig. 2).

② button used to:
  – register the module in the system – press while adding the module to the system,
  – block / unblock the registration – press and hold for 10 seconds to block / unblock the capability to add the module to the system.

Wires

COM [black] - common ground.
SW1 [white] - control input 1.
SW2 [white] - control input 2.
SW3 [white] - control input 3.

SW4 [white] - control input 4.

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.

3.1 Installation tips

- The module should be installed indoors, in spaces with normal air humidity.
- Do not install the module outdoors.
- When selecting a place of installation, consider the radio communication range.
- Thick walls, metal partitions, etc. reduce the range of the radio signal.
- Install the module in an electrical junction box (a deep junction box with a diameter of at least 60 mm).
- To connect the wires, use screw terminal blocks, splicing connectors, etc.
- You can connect a push-button or a switch to the controller inputs. The push-button is the preferred choice. It provides more functionality.

3.2 Mounting

1. Open the electrical junction box in which the module is to be installed.
2. Connect the push-buttons / switches to the module inputs (Fig. 2).
3. Add the module 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 module (Fig. 3).
4. Place the module in the junction box. Make sure the wires are behind the module enclosure.
5. Close the junction box.

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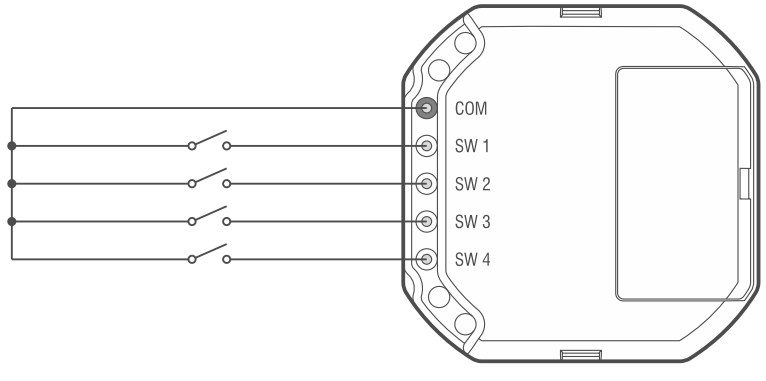

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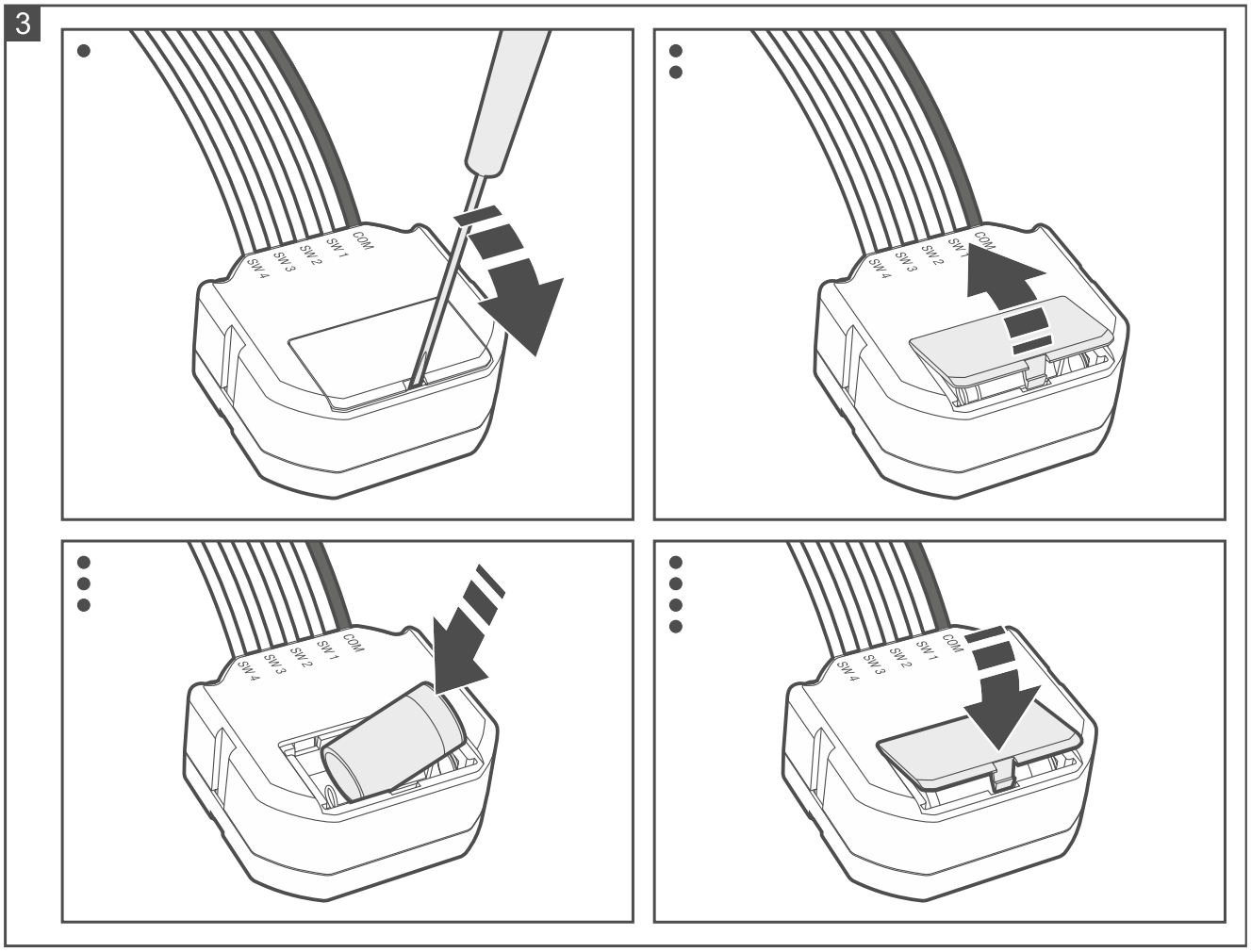

4. Battery replacement

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 detector is low. The low battery should be replaced as soon as possible.

1. Open the electrical junction box in which the module is installed.
2. Remove the battery holder cover.
3. Remove the low battery.
4. Wait 1 minute.
5. Install the new battery.
6. Replace the battery holder cover.
7. Close the junction box.

5. Specifications

Operating frequency band..... 868.0 MHz ÷ 868.6 MHz
Radio communication range (in open area) ..... up to 1700 m
Battery..... CR14250 3 V
Battery life expectancy..... up to 3 years
Standby current consumption ..... 7 µA

Low battery voltage threshold	2.75 V
Complied with standards	EN 50130-4, EN 50130-5
Environmental class according to EN50130-5	II
Operating temperature range	-10°C...+55°C
Maximum humidity	93±3%
Dimensions	47 x 47 x 22 mm
Weight	40 g