

Pandora PIR-100BT

INFRARED MOTION SENSOR

Wireless peripheral device designed to work with Pandora security systems.
The sensor recognizes the thermal movement in the internal space of the protected area.

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SPECIFICATIONS

Radio interface: 2.4-2.5 GHz (BT 5.0)

Motion Sensor: Passive infrared

- detection angle: 120°

- operation distance: 6 m

Removal sensor: magnetic field sensor (Hall)

Battery: CR123A, 3 V

Average battery life: 12 months

Operating range*: from -10°C to +40°C

Degree of protection*: IP40

Dimensions: Ø55x21 mm

Weight: 18 g

Compatibility: Pandora security systems with BT 5.0 interface with software version v4.24 and higher

* **WITHOUT BATTERY.**



THE MANUFACTURER RESERVES THE RIGHT TO CHANGE THE PRODUCT CONFIGURATION AND DESIGN IN ORDER TO IMPROVE ITS TECHNICAL AND OPERATIONAL PARAMETERS WITHOUT NOTIFYING THE CONSUMER.

SENSOR SETTING AND INSTALLATION

Before starting the installation of the sensor, insert the battery (see the «Installing/Replacing the battery» section), update the sensor software using the Pandora Specialist application.

Pairing the sensor with the system

The security system supports simultaneous operation of up to 4 sensors. Each sensor must be stored in a separate memory cell using the Programming menu or the Pandora Specialist app.

- Enter the programming level № 10.17.1/10.17.2/10.17.3/10.17.4 or use the Pandora Specialist app to switch system to pairing mode:

- **Android (BT connection)** -> Advanced mounting -> Bluetooth -> Pairing, unpairing devices -> PIR sensor 1/2/3/4;

- **Windows/Mac (USB connection)** -> Advanced installation -> Peripheral devices -> Pair a device -> PIR sensor 1/2/3/4.

- On the sensor, press and hold the button until the sixth red flash of the LED indicator (6 seconds).

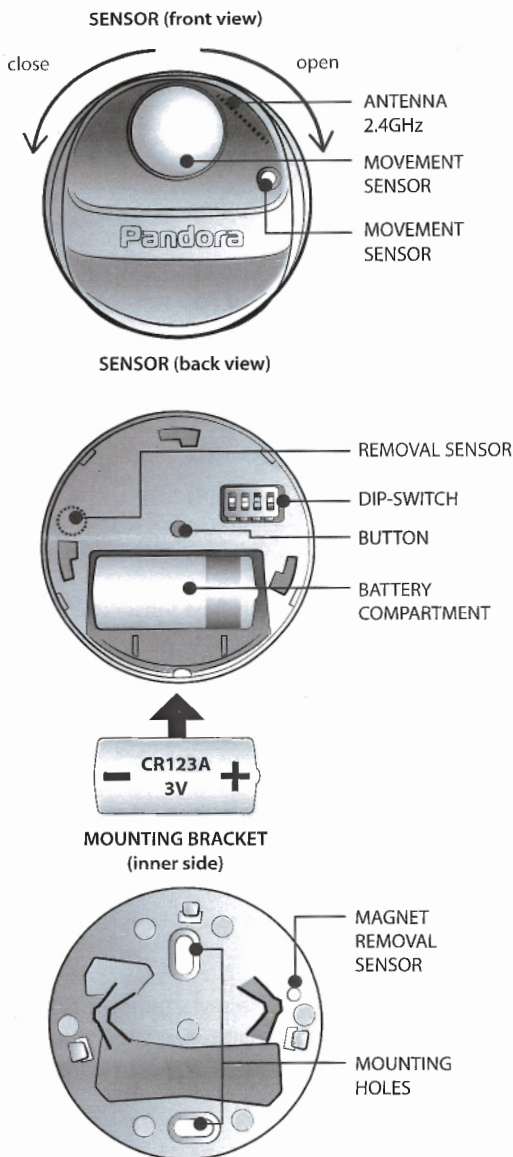
- The successful pairing will be confirmed by the sound of the «Siren/Beeper».

Setting the system

For a proper operation, it is necessary to configure the security system and the sensor(s).

- In the security system settings, assign the sensor as a security zone: Inputs and outputs -> Inputs settings -> PIR A1/A2/A3/A4.

! WHEN USING THE SENSOR AS THE «ALARM ZONE OF ADDITIONAL SENSOR», ADDITIONAL SETTINGS ARE AVAILABLE: MAIN SETTINGS -> SENSOR SETTINGS -> DISABLE THE SUPPLEMENTARY SENSOR WHEN THE ENGINE IS RUNNING / DISABLE THE SUPPLEMENTARY

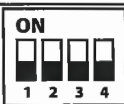


SENSOR WHEN THE TRUNK IS OPENING / **DISABLE THE SUPPLEMENTARY WHEN THE RADIO CHANNEL IS OPEN / SHOCK SENSOR AND ADDITIONAL SENSOR SWITCHING ON DELAY.**

- Adjust the necessary sensor settings in the system settings menu: Advanced settings -> Main Settings -> PIR Settings.

Setting the sensor

- Use DIP-switches 1 and 2 to set the sensor operation mode, and use switches 3 and 4 to set the sensor address.

DIP-SWITCH STATE TABLE											
	SENSITIVITY	CONNECTION CONTROL	ADDRESS								
	1	2	3	4	3	4	3	4	3	4	
ON UP	HIGH	ENABLE				A2		A3		A4	A4
OFF DOWN	NORMAL	DISABLE	A1	A1	A2				A3		

Switch №1 - sensor sensitivity should be set depending on the controlled area (Normal - vehicle interior; High - cargo compartment, camper interior, garage)

Switch №2 - control of the BT connection between base unit of the system and the sensor.

Switch №3 and №4 - sensor address should be set in accordance with the security system settings (inputs PIR A1/A2/A3/A4).

Mounting

- When choosing the mounting location of the sensor:
 - the installation location must fulfill the temperature and dust- and moisture-protection characteristics of the sensor;
 - no barriers in the sensor control area;
 - the sensor control area should exclude moving objects with human body temperature, rapidly changing temperature (trailer awning, climate devices);
 - conditions for favorable 2.4GHz data transmission to the security system base unit (the signal can pass through plastic or glass, but metal surfaces shield the signal).
- Fix the mounting bracket of the sensor to the wall or roof using double-sided adhesive tape, screws or other available means.
- Install the sensor on the mounting bracket.

INSTALLING/REPLACING THE BATTERY

For a proper sensor operation, a 3V CR123A battery is used.

The battery must be replaced when receiving an SMS notification «Replace battery in PIR» (telemetry system function) or if the sensor is not connected to the system.

- Disconnect the sensor from the mounting bracket by turning clockwise (see figure - «open»).

- Install a new battery in the battery compartment observing the polarity.
- When installing a new battery, the sensor status LED will produce three red flashes. The low charge level will be displayed with a single flash.
- Connect the sensor to the mounting bracket by turning counterclockwise (see figure - «close»).

SOFTWARE UPDATE

- Open the Pandora Specialist mobile application (Android /iOS), open the «Advanced installation» or «Quick installation» menu.
- Press and hold the sensor button until the tenth flash of the status LED (10 seconds).
- Choose sensor in the app and select one of the update options («Download firmware» - download current software from the server, «File Manager» - use previously downloaded software).
- Start the update.