

## INSTALLING/REPLACING THE BATTERY

For a proper sensor operation, two 3V CR2450 batteries are used.

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

- Press to one of the latches and take of the battery cover.
- Connect two new batteries parallel, «plus» to «plus».
- Install batteries in the sensor.
- When installing new batteries, the sensor light indicator will produce three flashes. The low charge level will be displayed with a single flash.
- Close the battery cover.

## SOFTWARE UPDATE

You can update sensor software using the Pandora Specialist app (Android). Sensor must be paired with the system.

- Open the Pandora Specialist app and connect to the system.
- Go to System devices -> DMS 1 / 2 / 3 / 4 -> Update.
- Choose one of the update options:  
«Download firmware» - download current software from the server;  
«File Manager» - use previously downloaded software.
- Start the update.

# Pandora DMS-101BT

## WIRELESS DOOR SENSOR

Wireless peripheral device designed to work with Pandora security systems.

The sensor is designed to control opening elements of the vehicle. It detects shock and movement, temperature, controls open/close state.




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## SPECIFICATIONS

Radio interface:	2.4-2.5 GHz (BT 5.0)
Door state sensor:	magnetic field sensor (Hall)
Shock/motion sensor:	digital accelerometer
Temperature sensor:	digital
Battery:	CR2450 (2 pcs.)
Average battery life:	18 months
Operating range*:	from -25°C to +60°C
Degree of protection*:	IP40
Dimensions:	36x32x14 mm - sensor; 35x8x9 - magnet
Weight*:	7 g - sensor; 3 g - magnet
Compatibility:	Pandora security systems with BT 5.0 interface with software version v4.25 and higher

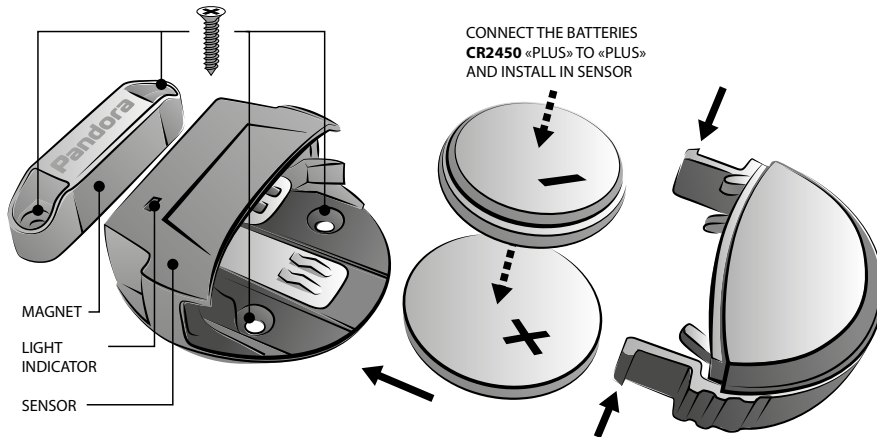
\* WITHOUT BATTERIES.

 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.

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## SENSOR SETTING AND INSTALLATION

Before starting the installation of the sensor, update the system software, pair a sensor with the system and make necessary settings.



### 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 DMS 1 / 2 / 3 / 4 using the Programming menu or the Pandora Specialist app.

- Enter the programming level № 10.3.1/10.3.2/10.3.3/10.3.4 or use the Pandora Specialist app to switch system to pairing mode:
  - **Android (BT connection)** -> Advanced mounting -> Bluetooth -> Pairing, unpairing devices -> DMS 1/2/3/4;
  - **Windows/Mac (USB connection)** -> Advanced installation -> Peripheral devices -> Pair a device -> DMS 1/2/3/4.
- Insert the batteries in the sensor.
- The successful pairing will be confirmed by the sound of the «Siren/Beeper».

### Setting the system

ALL SENSORS PAIRED WITH THE SYSTEM HAVE THE «ADDITIONAL SENSOR ALARM ZONE» DEFAULT LOGIC. FOR DMS 1 / 2 SYSTEM SETTINGS ALLOW TO CHANGE DEFAULT LOGIC OR TO USE SENSOR FOR TEMPERATURE DETERMINATION.

- IN THE SYSTEM SETTINGS SET DMS 1 / 2 AS A SECURITY ZONE: ADVANCED SETTINGS -> INPUTS AND OUTPUTS -> INPUTS SETTINGS -> DMS 1 / 2 (DEFAULT LOGIC «ADDITIONAL SENSOR ALARM ZONE»).

**!** WHEN USING THE SENSOR AS THE «ADDITIONAL SENSOR ALARM ZONE», 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.

- In the system settings adjust necessary sensor parameters:
  - Main settings -> DMS settings ->
    - Allow use of accelerometer in DMS -> Enable/Disable
    - Allow use of switch in DMS -> Enable/Disable
    - Prohibit Bluetooth connection monitoring of DMS -> Enable/Disable
    - Always consider the detected/lost connection with the sensor -> Enable/Disable
    - DMS motion sensor setting -> 0 to 100 (0 - minimum sensitivity, 100 - maximum sensitivity)
  - Main settings -> Temperature sensor -> Select engine/interior/exterior air temperature sensor -> DMS 1 / 2

**!** THE AVAILABLE SENSOR FUNCTIONS MAY VARY DEPENDING ON THE MODEL OF THE SECURITY SYSTEM.

### Mounting

- When choosing the mounting location of the sensor:
  - choose the mounting place as far as possible from the rotation axis of the object;
  - the installation location must fulfil the temperature, dust- and moisture-protection characteristics of the sensor;
  - conditions for favourable 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 sensor on the moving and the magnet on the stationary part of the vehicle using double-sided adhesive tape, screws or other available means. The magnet must be installed opposite the sensor with a gap of no more than 5 mm.

