

MSS-AK-MS1 magnetic sensor

User manual



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1. Product overview



Fig.1. MSS-AK-MS1 magnetic sensor

The MSS-AK-MS1 Magnetic Sensor is a wireless door and window contact designed to detect opening and closing events in real time. Consisting of two compact parts — the sensor unit and a magnet — it triggers an alert whenever the magnetic contact is broken, making it ideal for monitoring entry points such as doors, windows, cabinets, and gates.

As a radio (RF) sensor, it does not connect to Wi-Fi or the app directly — it must be paired with a compatible alarm host, which in turn connects to the app and forwards the sensor's alerts to you. Its low power consumption ensures long battery life, while the compact, discreet design allows for unobtrusive placement on most door and window frames.

The MSS-AK-MS1 can be used as a standalone security accessory or integrated into a broader smart home and alarm system, providing reliable protection against unauthorised access.

2. First use

1. Remove the protective tape and close the sensor contact.

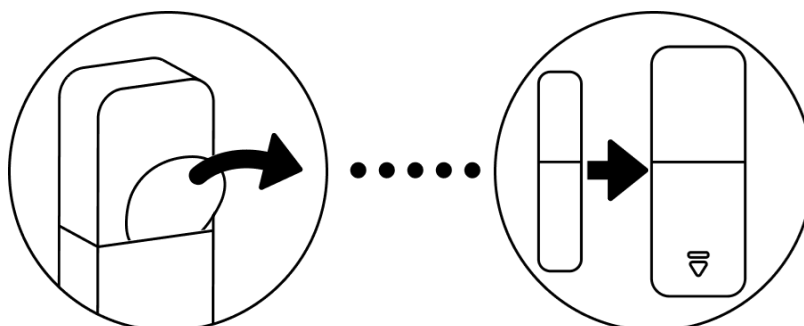


Fig.2. Turning on the device

2. Open the sensor contact. The alarm light starts blinking.

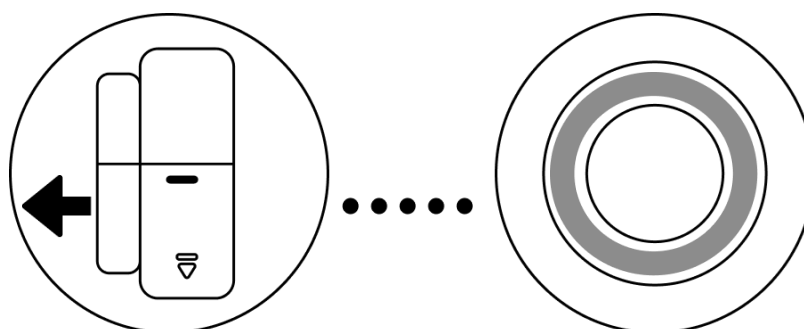


Fig.3. Testing the alarm signal

3. Installation

Mount the sensor unit on the fixed frame (the door or window frame) and the magnet on the moving part, aligned so that they face each other as shown below, with a gap between them of less than 10 mm when the door or window is closed.

Before fixing the parts permanently, test the alignment: open the door or window and confirm the sensor's indicator light turns on, which confirms the installation is successful.

If the indicator light flashes when the sensor is triggered, the battery is running low and should be replaced as soon as possible.

The wireless transmission range between the sensor and the alarm host is up to 80 m in open, unobstructed conditions. Walls, metal surfaces, and other obstacles will reduce this range, so test the signal strength at the intended mounting location before final installation. Avoid mounting on or near metal door and window frames, other magnets, or sources of strong electromagnetic interference, as these can further reduce the effective range and cause missed alerts.

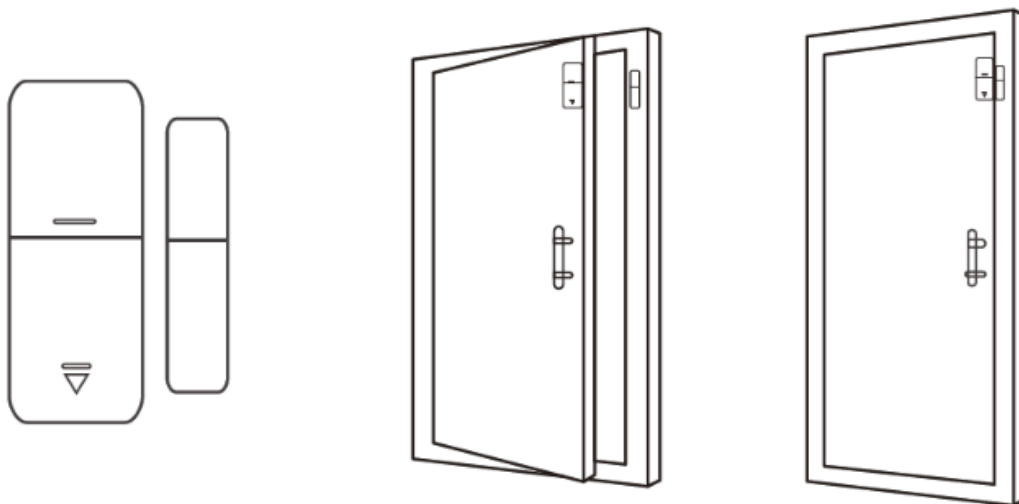


Fig.4. Installation method

4. App control

As a wireless RF sensor, the MSS-AK-MS1 does not connect to Wi-Fi or the app directly. It must first be paired with a compatible alarm host; the host connects to the app over Wi-Fi and forwards the sensor's alerts to you.

To pair the sensor, put the alarm host into detector-adding mode (refer to the alarm host's manual for how to do this), then turn the detector's switch to the ON position. The LED will light once, and the detector will transmit its wireless signal to the host. The host will beep or give a voice prompt such as "Adding completed" once it receives the signal, confirming the sensor has been paired successfully.

5. Maintenance and safety notes

Power supply: Use only batteries of the type specified for this device, and replace both batteries at the same time. Insert them with the correct polarity as shown inside the battery compartment. Do not mix old and new batteries or batteries of different types.

Battery safety: Do not disassemble, puncture, crush, short-circuit, or expose batteries to fire, heat, or direct sunlight. Remove the batteries if the sensor will not be used for an extended period. Dispose of used batteries in accordance with local regulations; do not dispose of them with general household waste.

Installation: See the Installation section for mounting instructions and the detection range. Keep both parts on clean, flat, stable surfaces, and away from metal surfaces, other magnets, or sources of strong electromagnetic interference, as these can reduce the effective range and cause false or missed alerts.

Operating environment: The device is designed for indoor use only. Do not expose it to rain, condensation, high humidity, dust, or temperatures outside the range stated in the product datasheet. Keep the sensor away from direct sunlight and heat sources.

Cleaning: Wipe the device with a soft, dry cloth only. Do not use solvents, abrasive cleaners, or aerosol sprays, and never immerse the device in water.

Wireless connection: Keep the sensor within the alarm host's rated RF range (up to 80 m in open, unobstructed conditions), and away from thick walls, metal surfaces, or major sources of interference, to ensure alarm signals reach the host without delay. Replace the battery promptly if the indicator light shows a low-battery warning.

Servicing: The device contains no user-serviceable parts. Do not attempt to open or repair the sensor yourself, as this may damage it and will void the warranty. If the device is faulty, contact Partizan support using the details below.

Limitations: This sensor is a supplementary security accessory and is not a certified life-safety alarm system. It should not be relied upon as the sole means of protection in situations where failure to detect an event could result in injury, loss of life, or serious property damage.

Contacts:

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