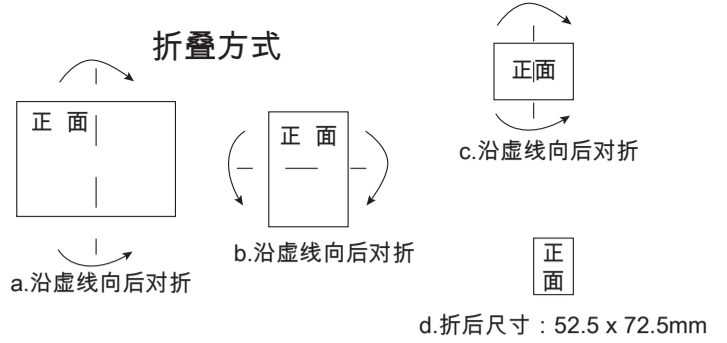


ERP机型 : SD2723-AU-EDP09910A-V1 ERP P/N:
 描述 : 说明书: SD2723/WS-103S,EDP099,REV.A,210×145mm,80g书纸,双面印单黑,
 三折页,“Model WS-103S”, RoHS 2.0

K
 Die Line

Designer: 曹显贵

Date : 2015-08-28



Model WS-103S

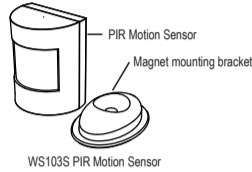
RED SHIELD OUTDOOR PIR MOTION SENSOR INSTALLATION AND OPERATING INSTRUCTIONS

For use with the BOLTEK Home Protection System

Please keep this user guide in a safe place for future reference.

Kit contents:

- 1 x PIR Motion Sensor
- 1 x Magnet mounting bracket
- 2 x Screws and wall plugs
- 1 x User guide



WS103S PIR Motion Sensor

1. Introduction

The Red Shield PIR Motion Sensor is designed to trigger the BOLTEK Home Protection System when it senses movement in given area.

2. Location

First determine the location of the Sensor, which should be placed:

- on a solid surface between 1.8m to 2.4m (6ft to 8ft) from the floor.
- near key entry/exit points.
- away from extreme temperature sources (radiators, ovens, stoves etc.) and large metal objects that could interfere with the wireless performance.
- away from direct sunlight.
- indoors only and not behind partitions.
- where better RF performance can be achieved (if necessary).

IMPORTANT! The Motion Sensor is immune to pets moving on the floor or climbing on furniture as long as the activity takes place below 1m (3ft). Above the 1m (3ft) height limit, adjust the sensitivity of Motion Sensor to "Middle" or "Low" position so more movement is required to trigger the sensor but the pet immunity will decrease as the pets get closer the sensor. It is important to perform a "Walk Test" (Described in part 3.5) with your pets.

3. Installation and Operation

3.1 Tamper Protection

The PIR motion sensor has a built-in tamper proof switch to prevent the sensor being disabled by an intruder(Fig.1).

- Before powering up and installing the Motion sensor, ensure the system is in standby mode to avoid the alarm sounding.
- The Tamper Proof protection is enabled once the Smart Panel is switched to HOME, ALERT or ARM mode. The panel will be triggered with Ding Dong sound or alarm sound under different modes once the main motion transmitter being taken away.

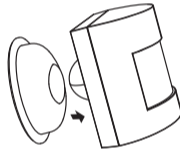


Fig. 1 Tamperproof Protection

. 1 .

3.2 Powering up the PIR sensor

- Remove the screw from the bottom part of the top plastic cover with the screw driver (as shown in diagram) and install the 1 x CR123 lithium battery (Fig. 2).

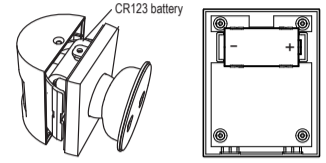


Fig. 2

- Low battery indication: The battery status can be checked either on the panel or controlled APP under the "EVENT History". When the battery is in low battery status, the "battery ICON" will be shown under the sensor triggered record. Change the battery to make sure the sensors can work properly.

3.3 Installing the PIR sensor

- Ensure the mounting surface is clean.
- Peel off the surface of the adhesive pad of the mounting bracket and then attach it onto the wall.
- Or drill the holes and insert wall plugs and then attach the bracket provided to the mounting surface with the screws provided.
- Finally attach the Motion Sensor to the mounting bracket.

3.4 Sensor sensitivity

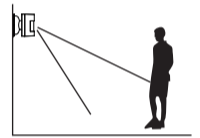
IMPORTANT! The PIR sensor is designed with a built-in sleep timer to save battery power. The PIR sensor will sleep for 3 minutes after every trigger. Any movement detected in sleep mode will not be reported, please bear this in mind during system set up.

The sensitivity of the PIR Sensor is adjustable and can be changed by setting the connector, found in the battery compartment with either "H"- High", "M"- Middle or "L"- Low position. (Detection range: "H"< 13m, "M" < 8m, "L" < 5m, depends on the environment status). When the sensitivity is set to "Low", more movement is required to trigger the sensor.

It is recommended to set the sensitivity to "Low" and perform a "Walk Test" (Described in part 3.5). If the walk test result is satisfactory, the sensitivity does not require further adjustment. If the walk test result shows the sensitivity is too low, then the sensitivity can be set to "Middle" or "High" as required.

3.5 Walk test

After mounting the sensor at the desired location, it is important to perform a walk test in order to determine if the sensor is detecting the correct area. The distance at which the sensor can detect motion can be adjusted by altering the angle of the sensor. To reduce the detection range, simply move the sensor downward and move the sensor upward to maximize the range.



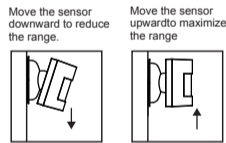
Note: Enter into ALERT mode before you perform the walk test, so that the alarm is not triggered.

Testing mode – After powering up, the Motion Sensor will enter into the testing mode for 10 minutes. The Motion Sensor will sleep for 10 seconds of each trigger only instead of the regular duration 3 minutes. It is more convenient for the user to perform walk test.

You should walk in the area that you would like the sensor to monitor. If movement is detected the red light inside the unit will appear. If the red light does not appear, adjust the mounting angle accordingly. Perform the walk test again. Repeat this procedure until motion is detected.

. 2 .

* **Tips:** The sensor should not face towards direct sunlight, be placed near heat or cold producing devices (i.e. air conditioning, radiators, fans, ovens, heaters etc.) that may cause false triggers. Also perform the walk test in areas which the sensor is not intended to cover, to ensure movement cannot be detected.



4. Enroll and Delete Sensors

- Operated on the BOLTEK control panel under the "SETTINGS", by entering 4-digit default code "0000" (or the set code) and then press "DONE" button for log-in.
- Then select the "ADD/ DELETE SENSORS" under "SETTINGS" and the sensors are ready to be enrolled or deleted (Fig. 3)
- Press the "ADD MODE" button and the page showing "ADD SENSORS". Trigger the sensor and the sensor name will be appeared on screen together with the "DING DONG" sound (Fig.4). Press "ADD MORE" button again if you want to add sensors or press "DONE" to complete the sensor enrollment.
- Sensors can also be deleted on the "ADD/ DELETE SENSORS" screen. Select the sensor name on panel and then press the "DELETE" button. The sensor name will be disappeared and deleted.
- Install the sensors to desired location for the home protection.



Fig. 3

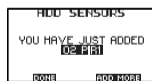


Fig. 4

5. Customize sensors

- Once enrolling the sensors, continuing to customize the sensors status into the three different modes-ALERT, ARM and HOME Mode.
- Go the "SETTINGS" on panel and select the "ZONE SETTING" section. There will be three different modes: "HOME", "ALERT" and "ARM" (see Fig. 5). You can activate or disarm the sensors in these modes.

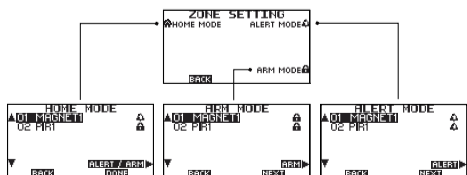


Fig. 5 Zone Setting

A. ALERT Mode

- Press the "ALERT" button to activate or turn off the sensors under this mode. Once the setting is completed, please press the "DONE" button.

B. HOME Mode

- Press the "ALERT/ARM" button to turn the sensors into alert, ARM or off status under this mode. Once

. 3 .

the setting is completed, please press the "DONE" button.

C. ARM Mode

- Press the "ARM" button to ARM or turn off the sensors under this mode. Once the setting is completed, please press the "DONE" button.

6. Maintenance

The product may be cleaned with a soft damp cloth and then wiped dry. Do not use abrasive, solvent based or aerosol cleaners as this may damage and/or discolour the product. Do not allow water to enter or attempt to clean inside the unit.

7. Batteries

Do not allow the batteries to corrode or leak as this may cause permanent damage to the product. Take care to insert the batteries with the correct polarity as shown inside the battery compartments. Do not mix new and old batteries or different types of batteries. Do not use rechargeable batteries. At the end of their useful life the batteries should be disposed of via a suitable recycling centre. Do not dispose of with your normal household waste. DO NOT BURN.

8. Alarm System Limitations

Even the most advanced alarm systems cannot guarantee 100% protection against burglary or environmental problems. All alarm systems are subject to possible compromise or failure-to-warn for a variety of reasons.

Please note that you may encounter problems with your system if:

- The sensors are not placed within hearing range of persons sleeping or remote parts of the premises.
- The sensors are placed behind doors or other obstacles.
- Intruders gain access through unprotected points of entry (where sensors are not located).
- Intruders have the technical means of bypassing, jamming, or disconnecting all or part of the system.
- The power to the sensors is inadequate or disconnected.
- The sensors are not located in proper environmental/temperature conditions i.e. too close to a heat source.

Note: Inadequate maintenance is the most common cause of alarm failure; therefore, test your system at least once per week to be sure the sensors and sirens are working properly. Although having an alarm system may make you eligible for reduced insurance premiums, the system is no substitute for insurance.

FCC WARNING

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

. 4 .