SD-DWS07 Door/Window Sensor Installation Guide

Introduction

Door/Window sensors are designed to secure the perimeter of the residential premise, and provide the ability to add various automation services. The Door/Window sensor, which consists of a magnet that attaches to a door or window, will communicate door events to the home control system or security panel. When the magnet is moved away from the sensor, a signal will be sent to the control panel that communicates the changed state to the security system.

Specification

Frequency	2.4GHz
Battery Type	CR2 Battery * 1
Operating Temperature	0° C to 40° C (32℉ - 104℉) at 90% RH Non-condensing
Storage Temperature	-10° C to 60° C (14℉ - 140℉)
Battery Life	4 Years (20 trigger events per day @Room Temperature 25℃)
Dimension	Sensor Device: 67.5 mm x 24 mm x 20 mm (2" x 1.14" x 0.43")
	Magnet: 43 mm x 9.5 mm x 15 mm (2" x 0.39" x 0.43")

Pairing Sensor

Initiate pairing on your home control system or security panel using the instructions provided with it

1. Pull the exposed plastic tab from the sensor. (Figure 1)
2. The LED indicator will be lit for every seconds to indicate the sensor is booting successfully
3. It will blink one time per seconds while attempting to pair with the security panel or home controller.
4. If network is not found after 90 seconds, the sensor will go into sleep mode. To wake the sensor again, you need to use magnet or tamper (Figure 2) to trigger a paring process, and then sensor will repeat steps from 3 to 4.
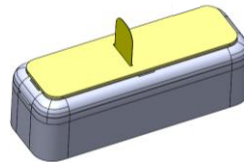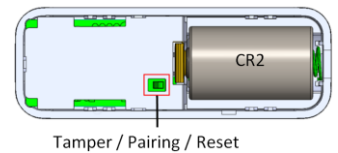

Figure 1

Tamper / Pairing / Reset

Figure 2

Installation

1. Please make sure that the sensor and magnet is located less than 10 mm from each other. For optimal performance, it is highly recommended to install the Door/Window sensor on the fixed frame and the magnet on the moving part of the door/window. Place the sensor near the top of the door that close to the opening edge of the door. This is the mounting location for the sensor.
2. Use the provided double-sided tape on the sensor. Attach the sensor to the door. Press firmly and hold in place for a few seconds
3. Use provided double-sided tape on the magnet. Make sure the alignment of both sensor and magnet are facing each other (Figure 3). Press firmly and hold in place for a few seconds.
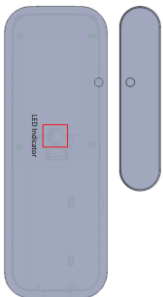

Figure 3

Operation

1. The Green Pairing LED will stay off during the normal operation.
2. The sensor is equipped with a tamper switch. If the cover of sensor is removed, the sensor will send an alarm to the home controller or security system.

Reset to Factory Defaults & Reboot

If sensor needs to be factory defaulted (for example, to prepare it for joining with a home controller or security system).
1.   Remove sensor cover.
2.   Remove the CR2 battery from sensor.
3.   Depress the tamper switch before inserting the battery.
4.   Insert the battery. The sensor should illuminate the LED once when boot-up/initialization tasks are complete.
5.   Release the tamper switch while the LED is illuminated (it will be lit for 4 seconds). The sensor should then
        reset to factory default settings and begin searching for any available home controller or security system. If you need to reboot the device, remove the battery, depress and release the tamper switch one time, then re-insert the battery.
6.   Place the cover back on sensor.
        Note: Replace Battery with CR2 only. Use of another battery may negatively impact the performance of the product.

Certification

FCC Statement: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.
The FCC ID for this device is P27SSH1R0
You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.
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.
FCC RF Radiation Exposure Statement:
• This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
• This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.