

1126R WIRELESS CEILING-MOUNT 360° PIR MOTION DETECTOR

Installation Guide

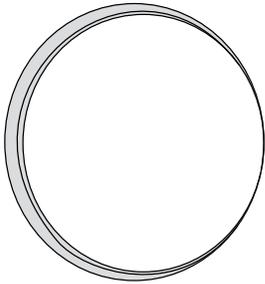


Figure 1: 1126 Housing

DESCRIPTION

The 1126R Wireless Ceiling-Mount PIR Motion Detector is a 360° PIR (passive infrared) device designed for a variety of ceiling-mount applications.

Its compact design provides a small sensor that can be remotely configured. The 1126R has excellent RFI and noise immunity. The pulse count feature allows for multiple trips before an alarm is initiated.

The 1126R features Disarm/Disable functionality. When this option is enabled, Zone Tripped messages disable when the system is disarmed to allow for extended transmitter battery life. Supervision, Tamper, and Low Battery are the only messages that are sent to the panel when the system is disarmed.

Compatibility

All DMP 1100 Series Wireless Receivers and panels.

What is Included?

- One 1126R Wireless Ceiling-Mount 360° PIR Motion Detector
- Two CR123A 3.0V lithium batteries



1 PROGRAM THE PANEL

When programming the 1126R in the panel, refer to the panel programming guide as needed.

1. Enter **6653** (PROG) to access the **PROGRAMMER** menu.
2. Navigate to **ZONE INFORMATION** and enter the wireless **ZONE NO:-** and press **CMD**.
3. Enter the **ZONE NAME** and press **CMD**.
4. Select **NT** (night) as the **ZONE TYPE** and press **CMD**.
5. Select the **AREA:**.
6. At the **NEXT ZN?** prompt, select **NO** and press **CMD**.
7. Select **YES** when **WIRELESS?** displays and press **CMD**.
8. Enter the eight-digit **SERIAL#** and press **CMD**.
9. Enter the **SUPVSN TIME** and press **CMD**.
10. At **DISARM DISABLE**, select **NO** or **YES** and press **CMD**.
11. Enter the **PULSE COUNT** and press **CMD**.
12. Select **LOW** or **HIGH** for the **SENSITIVITY** level and press **CMD**.
13. At the **NEXT ZN?** prompt, select **YES** if you are finished programming. Select **NO** for additional programming options.

2 OPEN THE 1126R

1. Remove the locking screw from the side of the 1126R.
2. Remove the plastic dome by gently squeezing the sides of the dome and lifting it off the cover.
3. Hold the base and twist the cover counterclockwise until the 1126R separates. See Figure 2.

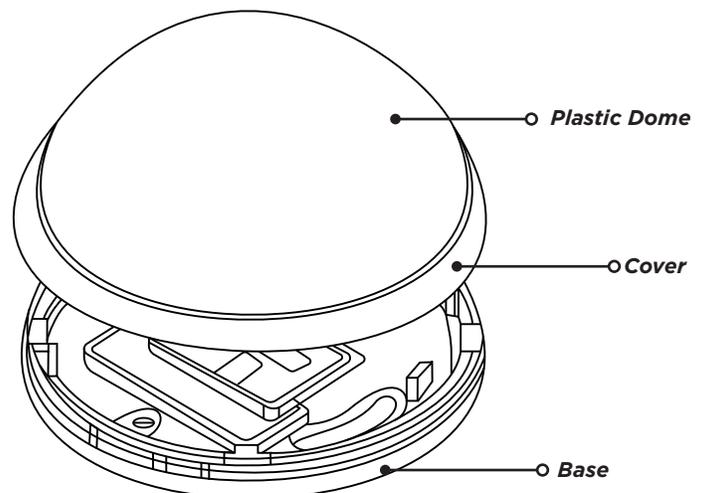


Figure 2: Open the 1126R

3 INSTALL THE BATTERIES

Use 3.0V lithium batteries, DMP Model CR123A batteries, or the equivalent from Sony or Murata. Keep in mind, when setting up a wireless system, program zones and connect the wireless receiver before installing the batteries. With the 1126R open, observe polarity and place the batteries into the battery holders. See Figure 3.

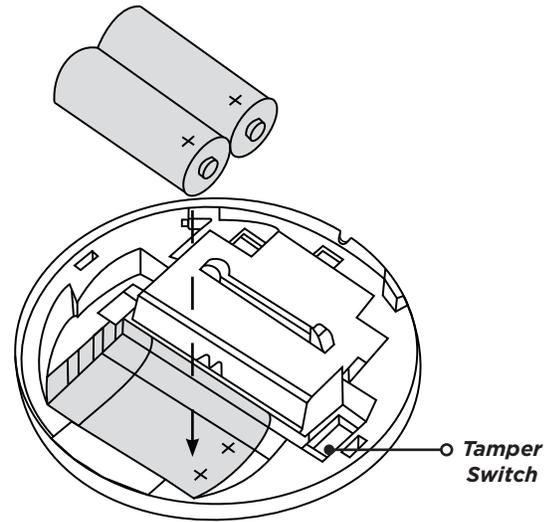


Figure 3: Battery Location

4 SELECT A LOCATION

The 1126R provides a Survey LED capability to allow one person to confirm communication with the wireless receiver or panel while the cover is removed. This allows you to determine the best location for the 1126R. Review the *Location Dos and Don'ts* and refer to Table 1 for information on how much area will be covered based on the height of the installation location. Then, check the location using the Survey LED Operation.

Location Dos

- Do locate on a rigid vibration-free surface.
- Do locate so the expected intruder's movement will be across the covered radius. See Table 1.
- Mount the device between 6.5-18ft high.

Location Don'ts

- Don't locate on any area containing excessive metallic surfaces.
- Don't locate with direct sunlight, heat sources (heaters, radiators, etc.), or strong air drafts (fans, air conditioner, etc.) in the field of view.
- Don't locate facing areas that may rapidly change temperature.

HEIGHT OF CEILING (FT.)	COVERED RADIUS (FT.)	NUMBER OF PIRS TO USE
6.5-11ft	20ft	1
12ft	30ft	1
13-18ft	45ft	2 (Spaced 10ft apart)

Table 1: Measurement Information

Check the Location Using a Survey LED

1. Hold the 1126R in the exact desired location.
2. Locate the LED on the 1126R PCB. (It is labeled **LED**).
3. Use a screwdriver or a long tool to press the tamper switch to send data to the panel. Determine if communication is confirmed or faulty.
 - ✓ **Confirmed:** If communication is confirmed, the LED turns on when data is sent to the receiver and off when acknowledgement is received. Proper communication between the 1126R and panel is verified when for each press or release of the tamper switch, the LED blinks immediately on and immediately off.
 - ✗ **Faulty:** If communication is faulty, the LED remains on for about 8 seconds or flashes multiple times in quick succession. Relocate the 1126R or wireless receiver until the LED confirms clear communication.

5 MOUNT THE 1126R

1. Hold the base of the 1126R in the desired location.
2. Use the supplied screws to mount the base in place. See Figure 4 for mounting hole locations.
3. Place the cover back on the base and twist clockwise.
4. Insert the locking screw into the base and secure the 1126R housing together.

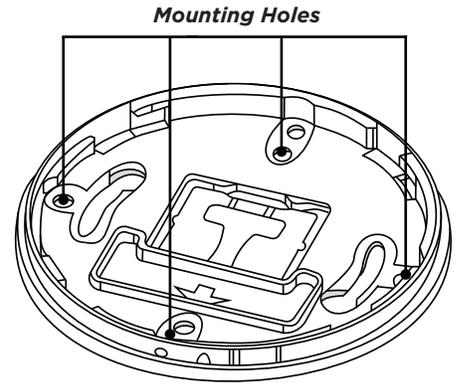


Figure 4: Mounting Hole Locations

6 TEST THE 1126R

Perform a Wireless Walk Test and a PIR Walk Test to confirm the 1126R is communicating with the panel and it's operating correctly.

Wireless Walk Test

1. Enter **8144** (WALK) at the keypad and press **CMD**.
2. Press **CMD** and select **WLS**.
3. If the 1126R fails to check in at the keypad, relocate the 1126R or wireless receiver.

PIR Walk Test

The Wireless PIR Walk Test is a 30-minute test that allows you to verify proper operation of the 1126R.

1. Enter **8144** (WALK) at the keypad and press **CMD**.
2. Press **CMD** and select **PIR**.
3. Enable the device LED by waiving your hand in front of the 1126R. The LED flashes on and off for each trip, confirming proper operation. If the 1126R LED fails to flash on and off for each trip, relocate the 1126R or wireless receiver.

Additional Information

Replace the Batteries

1. Open the 1126R and remove the old batteries. See *Open the 1126R*.
2. Observe polarity and place the new batteries in the holder and press into place.
3. Close the 1126R.

Sensor Reset to Clear LOBAT

After the batteries are replaced, a **LOBAT** message displays on the keypad. A sensor reset is required at the keypad to clear the **LOBAT** message.

1. On a Thinline Keypad, press and hold **2** for two seconds. On a Graphic Touchscreen Keypad, press **RESET**.
2. Enter a user code if required. The keypad displays **SENSORS OFF** followed by **SENSORS ON**.

FCC INFORMATION

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.

Changes or modifications made by the user and not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 or more 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 1100 Series wireless system is a two-way supervised wireless design. It is compliant with FCC rules as they pertain to 900 MHz Spread Spectrum devices. In rare instances it has been observed that certain 900 MHz cordless telephones may occasionally experience a clicking sound on the telephone while in use. If this occurs, it may be resolved by selecting a different channel on the cordless telephone, or replacing the cordless phone with a different brand or model of 900 MHz telephone or other cordless telephone. To comply with RF exposure requirements, a minimum distance of 20cm must be maintained between the antenna and all persons.

INDUSTRY CANADA INFORMATION

This device complies with Industry Canada Licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

This system has been evaluated for RF Exposure per RSS-102 and is in compliance with the limits specified by Health Canada Safety Code 6. The system must be installed at a minimum separation distance from the antenna to a general bystander of 7.87 inches (20 cm) to maintain compliance with the General Population limits.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'exposition aux radiofréquences de ce système a été évaluée selon la norme RSS-102 et est jugée conforme aux limites établies par le Code de sécurité 6 de Santé Canada. Le système doit être installé à une distance minimale de 7.87 pouces (20 cm) séparant l'antenne d'une personne présente en conformité avec les limites permises d'exposition du grand public.

1126R Wireless Ceiling-Mount 360° PIR Motion Detector

Specifications

Battery

Life Expectancy
Type

5 to 7 years
3.0V lithium CR123A

Transmit condition
Mounting height

Alarm, Low Battery
6.5-18 ft.

Frequency Range

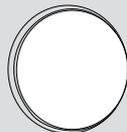
905-924MHz

Dimensions

4.0"D x 2"H

Color

White



Patents

U.S. Patent No. 7,239,236

Compatibility

- XT30/XT50 Series Panels running Version 102 or higher
- XR150/XR550 Series panels
- 1100D Wireless Receivers
- 1100DI/DH Wireless Receivers running Version 105 or higher
- 1100X Wireless Receivers running Version 104 or higher
- 1100XH Wireless Receivers running Version 105 or higher

Certifications

FCC Part 15: CCKPC0152
Industry Canada: 5251A-PC0152



Designed, engineered,
and manufactured in
Springfield, Missouri using U.S.
and global components.

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