1127C-WINT PIR Motion Detector

Description

The 1127C-WINT is an 1100INT Series Wireless Wall Mount Curtain PIR Motion Detector. The detection area is a 15.2m (50') x 3m (10') curtain using a fresnel lens. See Figure 1. The 1127C-WINT includes a case tamper and functionality to allow sensor configuration from the control panel. DMP exclusive features include Sensitivity Adjustment, Pulse Count, Walk Test, and Disarm/Disable.

Included Components

- One 1127C-WINT PIR Motion Detector
- Two CR123 batteries

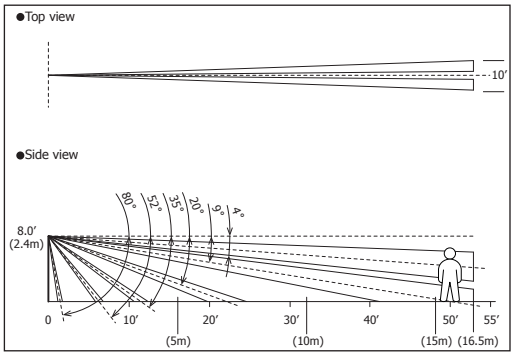

Figure 1: Detection Pattern

Program the PIR in the Panel

In Zone Information, enter a **ZONE NO:**, **ZONE NAME**, the device **SERIAL NO:**, and the **SUPRVSN TIME**. Continue to program the zone as directed in the panel programming guide.

Note: When a receiver is installed, powered up, or the panel is reset, the Supervision Time for transmitters is reset. If the receiver has been powered down for more than one hour, wireless transmitters may take up to an additional hour to send a Supervision message unless tripped, tampered, or powered up. This operation extends battery life for transmitters. A missing message may display on the keypad until the transmitter sends a Supervision message.

Additional Programming

Disarm/Disable: The Disarm Disable option in Zone Information disables Night and Exit type zones when the system is disarmed to extend battery life. Default is **YES**.

Pulse Count: Pulse Count is the number of pulse inputs (trips) the PIR needs to sense before going into alarm. This option allows you to pick the number if trips before an alarm is initiated. The pulse count in a high-security installation may be programed to 2, ensuring that the detector sends an alarm more quickly. Default is **40**.

Adjustable Sensitivity: Program the PIR with a sensitivity of HIGH to operate the PIR at maximum sensitivity. Program the PIR with a sensitivity of LOW to operate the PIR at 75% of maximum sensitivity. Use LOW sensitivity for installations in harsh environments to reduce the chance for false alarms. Default is **LOW**.

Install the PIR

Remove the Cover

1. Remove the cover lock screw from the PIR. See Figure 2.
2. Lift the cover off of the base and set it aside.
3. Insert the included batteries into the PCB battery holders.

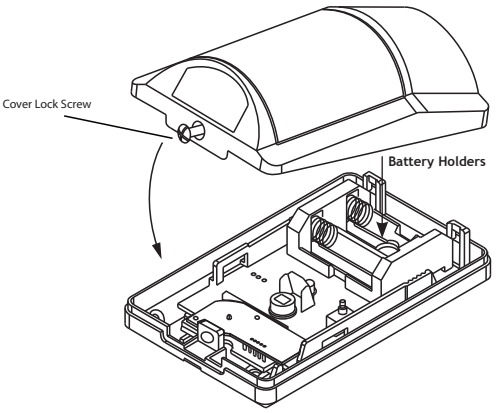

Figure 2: Remove the Cover

Select a Location (LED Survey Operation)

The PIR transmitter provides a Survey LED operation to allow one person to confirm transmitter communication with the wireless receiver while the cover is removed. The transmitter should be programmed into the panel for the LED Survey to operate properly.

Trip the 1127C-WINT tamper to send data to the receiver. The transmitter red LED turns on when data is sent to the receiver, then immediately turns off when the receiver acknowledgement is received. If the transmitter does not receive an acknowledgement from the receiver, the transmitter LED remains on for about 8 seconds or flashes in a quick succession to let you know communication is not established. Relocate the transmitter or receiver until the Survey LED immediately turns off indicating the transmitter and receiver are communicating properly.

Mount the PIR

Location Dos:

- Place on a rigid, vibration-free surface.
- Place so intruder movement is across the detection pattern.

Location Don'ts:

- Don't place on a surface with moisture exposure.
- Don't place in any area containing excessive metallic surfaces.
- Don't place where the PIR may be exposed to false alarm sources such as direct sunlight, heat sources (heater, radiators, etc.) or in the field of view or strong air drafts (fans, air conditioner, etc.)

Use the following steps and Figures 3 and 4 to mount the PIR:

1. Touch grounded metal to discharge static before handling the PCB.
2. Remove the PCB from the base to expose the mounting holes. Grasp the unit and push on the battery case, gently sliding the PCB toward the top of the base. Lift the PCB out of the housing.
3. Select the appropriate mounting holes on the base for either corner or flat wall mounting.
4. With the cover lock screw hole facing down, attach the base to the wall using screws and wall anchors. Do not over-tighten the screws.
5. Replace and secure the PCB back in the base.
6. Place the cover on the base and secure it with the cover lock screw, restoring the tamper.

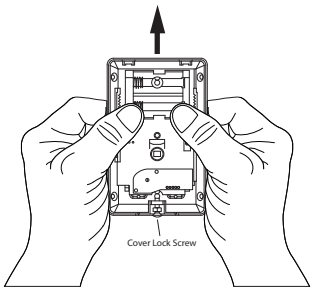

Figure 3: PCB Removal

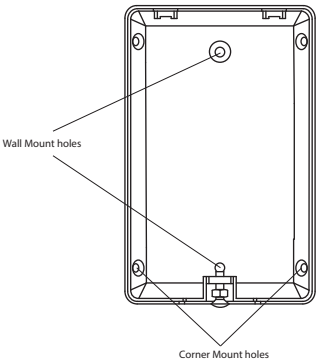

Figure 4: Mounting Holes

Test the PIR

Walk Test

Confirm the PIR is communicating with the panel by performing a Walk Test from the keypad. Enter **8144** and then **CMD** for XR150INT/XR550INT Series panels or **814** and then **CMD** for XT30INT Series panels. Select **WLS**. If the 1127C-WINT fails to check in with the panel, relocate the device or receiver and repeat the Walk Test.

PIR Walk Test

The PIR Walk Test allows you to verify proper placement of the 1127C-WINT. The LED is enabled for 30 minutes allowing you the time to ensure proper detection patterns of the installed units. The LED will flash for each trip of the 1127C-WINT. Any 1127C-WINT units that have Disarm Disable set to YES are temporarily enabled when the Walk Test begins. The Walk Test is a local test only and no results are sent to the Central Station.

Replace the Batteries

1. Remove the cover. See Figure 2.
2. Remove the old batteries.
3. Observe polarity and install the new batteries.

Sensor Reset to Clear LOBAT

If the battery needs to be replaced, a LOBAT message will display at the keypad. On a Thinline Keypad, press and hold **2** for two seconds. On a Graphic Touchscreen Keypad, press **RESET**. Enter your user code if required. The keypad displays **SENSORS OFF** followed by **SENSORS ON**. The 1127C-WINT remains operational for approximately 30 days to allow adequate time to replace the battery.

Specifications

Battery	
Life Expectancy	5-7 years
Type	3.0V CR123A
Transmit condition	Alarm, Low Battery
Mounting height	2.4m (8')
Frequency Range	863-869MHz
Dimensions	6.9W x 4.5D x 11H cm (2.7"W x 1.77"D x 4.33"H)
Color	White

Patents

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

Panel Compatibility

1100XINT Wireless International Receivers
1100DINT Wireless International Receivers
XT30INT Series Panels
XR150INT/XR550INT Series Panels

International Certifications

EN 50130-4:2011+A1:2014	Alarm Systems. Electromagnetic compatibility. Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems.
EN 61000-6-3:2007	Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial, and light-industrial environments.

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