1122INT WIRELESS MOTION DETECTOR

Installation Guide

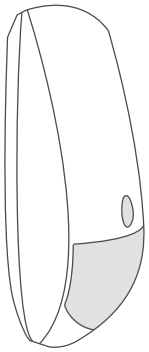

Figure 1: 1122INT Motion Detector

GET STARTED

The 1122INT Wireless PIR Motion Detector uses passive infrared technology to detect motion in a wide angle lens pattern. The 1122INT features 128-bit AES encryption.

The motion detector features a wall tamper, internal case tamper, survey LED, low battery indicator, adjustable sensitivity, and pulse count.

Disarm/disable and pet immunity up to 55 lbs are available.

To extend battery life, the 1122INT is equipped with a 30-second sleep timer that restarts on every motion detection. This functionality allows the 1122INT to wake up after 30 seconds with no motion detected unless disarm/disable is active.

Compatibility

- 1100XINT Wireless Receivers Version 700 and Higher
- 1100DINT Wireless Receivers Version 700 and Higher
- XT30INT Series Panels Version 693 and Higher
- XTLtouchINT/XTLplusINT Series Panels Version 693 and Higher
- XR150INT/XR550INT Series Panels Version 693 and Higher

What is Included?

- One 1122INT Wireless PIR Motion Detector
- One 3.0 V Lithium CR123A Battery
- Hardware pack

1 PROGRAM THE PANEL

Refer to the panel programming guide as needed.

1. If using an XT Series International Panel, enter **665** (PRO) at the keypad to access the **PROGRAMMER** menu. If using an XR Series International Panel, enter **6653** (PROG).
2. In **ZONE INFORMATION**, enter the wireless **ZONE NO:** and press **CMD**.
3. Enter the **ZONE NAME** and press **CMD**.
4. Select **NT** (Night) as the **ZONE TYPE**.
5. Select the **AREA**.
6. At **NEXT ZN?**, select **NO**.
7. Select **YES** when **WIRELESS?** displays.
8. Enter the eight-digit **SERIAL#** and press **CMD**.
9. Enter the **SUPRVSN TIME** and press **CMD**.
10. Choose whether to enable **DISARM DISABLE**. Select **YES** to allow the 1122INT to be disabled for Night and Exit zones while the area is disarmed.
11. Choose either **2** or **4** for the **PULSE COUNT**. The pulse count is the pulse inputs (trips the 1122INT needs to sense before going into alarm).
12. Choose either **LOW** or **HIGH** for the **SENSITIVITY**. Selecting **LOW** may reduce false alarms for installations in harsh environments.
13. Choose whether to enable **PET IMMUNITY**.
14. At **NEXT ZN?**, select **YES** if you are finished programming the zone. Select **NO** if you would like to access additional programming options.
15. In **SYSTEM OPTIONS**, at the **1100 ENCRYPTION prompt**, select **ALL** to only add encrypted wireless devices to the system. Select **BOTH** to allow both encrypted and non-encrypted wireless devices to be programmed.
16. The default passphrase appears at **ENTER PASSPHRASE**. Press **CMD** to keep the default. Press any select key or area to change the passphrase and enter an 8-character hexadecimal string (0-9, A-F).

2 INSTALL THE BATTERY

Use a 3.0V lithium battery, DMP Model CR123A, or the equivalent battery from Sony or Murata. When setting up a wireless system, program zones and connect the wireless receiver before installing the battery.

1. Remove the holding screw at the lower end of the 1122INT case and gently life off the cover.
2. Observing polarity, place the battery in the holder. Press it into place. See Figure 2 for the battery location.

3 SELECT A LOCATION

The 1122INT provides a survey LED to allow one person to confirm communication with the wireless receiver or panel while the cover is removed.

Location Dos

- Do locate on a rigid vibration-free surface
- Do locate so that the expected intruder's movement will be across the detection pattern
- Do locate between 1.5 and 2.5 meters high

Location Don'ts

- Don't locate on a surface exposed to moisture
- Don't locate on any area containing excessive metallic surfaces
- Don't locate within direct sunlight, head sources (heaters, radiators, etc.), or strong air drafts (fans, air conditioner, etc.) in the field of view

Check the Location Using Survey LED

1. Hold the 1122INT in the exact desired location.
2. Press the tamper switch to send data to the receiver and determine if communication is confirmed or faulty. See Figure 2 for tamper switch and LED locations.

✓ **Confirmed:** If communication is confirmed, the survey LED turns on when data is sent to the receiver and off when acknowledgment is received.

✗ **Faulty:** If communication is faulty, the LED remains on for several seconds or flashes multiple times in quick succession. Relocate the 1122INT or receiver until the LED confirms clear communication. Proper communication between the 1122INT and receiver is verified when for each press or release of the tamper switch, the LED blinks immediately on and immediately off.

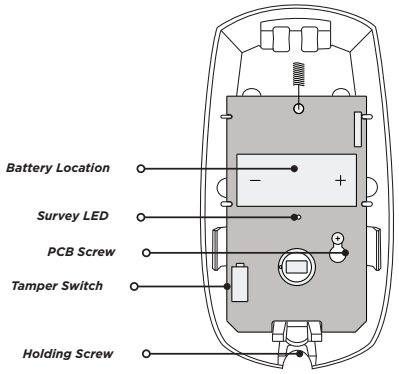

Figure 2: 1122INT Housing and PCB

4 MOUNT THE 1122INT MOTION DETECTOR

Prior to permanently mounting the 1122INT, confirm that it is properly communicating with the panel.

1. Loosen the screw located on the PCB and slide the PCB out of the unit.
2. Place the 1122INT against the wall and screw through the appropriate mounting holes.

   Flat Wall: Choose from the mounting hole locations in Figure 3. Insert a screw in the tamper mounting hole.

   Corner: Choose from the mounting hole locations in Figure 4. Insert screws in the tamper mounting holes.
3. Reinstall the PCB in the unit. Tighten the PCB screw to secure it into place.
4. Place the cover back onto the 1122INT and tighten the hold screw back into place.

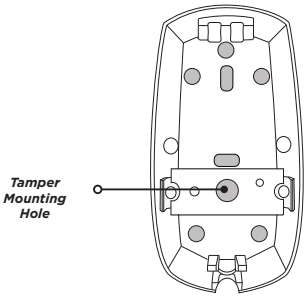

Figure 3: Flat Mounting Hole Locations

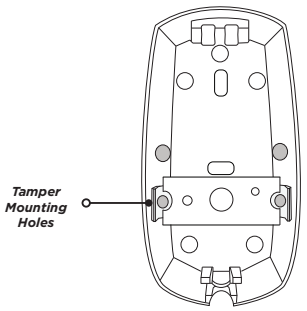

Figure 4: Corner Mounting Hole Locations

5 TEST COMMUNICATION TO THE PANEL

PIR Walk Test

Perform a PIR Walk Test to confirm that the 1122INT is detecting motion in the necessary areas.

1. If using an XT Series International Panel, enter **814** (WALK). If using an XR Series International Panel, enter **8144** (WALK).
2. Select **PIR**. The 1122INT can take up to 3 minutes to begin the PIR Walk Test.
3. The LED will illuminate steadily for 1 second when it detects motion.
4. Walk test the unit to verify the PIR coverage.
5. To manually end the test, rest the panel. The test will expire on its own after 30 minutes.

Wireless Check-in Test

After the transmitter has been installed, test to confirm that it is communicating reliably with the panel. Complete the following steps to perform a Check-in Test from a keypad that is connected to the panel.

1. At the keypad for XT Series panels, enter **814** (WAL). At the keypad for XR Series panels, enter **8144** (WALK).
2. Select **WLS**.
3. If the 1103INT fails to check in at the keypad, relocate the wireless device, receiver, or panel.

ADDITIONAL INFORMATION

Replace the Battery

1. Remove the holding screw at the lower end of the 1122INT and gently lift off the cover.
2. Remove the old battery and dispose of it properly. See Figure 2 for battery location.
3. Observing polarity, place the new battery in the holder and press into place.

Note: Use only 3.0 V lithium CR123 batteries.

4. Place the cover back onto the 1122INT and tighten the holding screw back into place.

Sensor Reset to Clear LOBAT

When the battery needs to be replaced, a **LOBAT** message will display on the keypad. Once the battery is replaced, a sensor reset is required at the system keypad to clear the **LOBAT** message.

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

Detection Pattern

The detector detects motion crossing the beam. It is more sensitive detecting motions crossing the beams than moving towards the detector. See Figure 5.

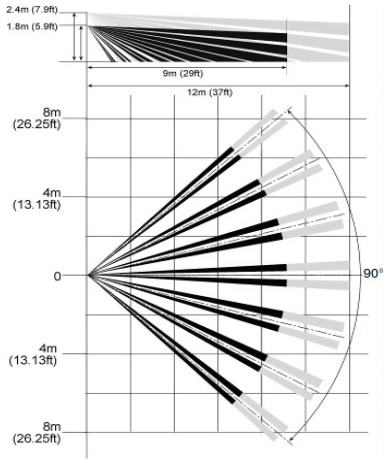

Figure 5: Detection Pattern

1122INT
MOTION DETECTOR

Specifications

Battery	
Life Expectancy	3 years
Type	3 V lithium CR123A
Frequency Range	863-869 MHz
Detection	
Range	90° 12.2 m x 12.2 m
Speed	.3-1.5 m/sec
Mounting Height	1.5 m to 2.5 m
Transmit Condition	Alarm, Low Battery, Tamper
Dimensions	12.7 cm L x 6.6 cm W x 3.8 cm H
Color	White
Housing Material	Flame retardant ABS

Patents

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

International Certificates

Intertek (ETL)

EN 50130-4:2011	EMC - Product Family Standard. Immunity Requirements for Components of Fire, Intruder, and Social Alarm Systems.
EN 50130-5:2011	Alarm Systems. Environmental Test Methods
EN 50131-1:2006+A1;A2	Alarm Systems. Intrusion and Hold-up Systems. System Requirements
EN 50131-2-2	Alarm Systems - Intrusion and Hold-up Systems- Passive Infrared Detectors
EN50131-5-3:2005+A1: 2008	Alarm Systems. Intrusion systems. Requirements for Interconnections Equipment using Radio Frequency Techniques
EN 61000-3-2:2009+A1;A2	Limits - Limits for Harmonic Current Emissions (Equipment Input Current less than or equal to 16 A per Phase)
EN 6100-3-3:2013	Limits - Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Public Low-Voltage Supply Systems, for Equipment With Rather Current for less than or equal to 16 A per Phase and Not Subject to Conditional Connection
EN 6100-6-4:2018	Generic Standard - Emission Standard for Industrial Environments

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

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