

1122 INTERNATIONAL WIRELESS MOTION DETECTOR

Installation Guide

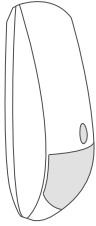


Figure 1: 1122INT Wireless Motion Detector

DESCRIPTION

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 for panels with firmware Version 672 and higher.

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

All DMP 1100INT Series Wireless Receivers (Version 700 or higher) and burglary panels Version 693 and higher. See the last page for compatibility details.

What is Included?

- One 1122INT Wireless PIR Motion Detector
- One 3.0 V Lithium CRI23A Battery



1 PROGRAM THE PANEL

When programming the 1122INT in the panel, refer to the panel programming guide as needed.

1. At a keypad, enter **6653** (PROG) to access the **PROGRAMMER** menu. In **ZONE INFORMATION**, enter the zone number. Press **CMD**.
2. Enter the zone name and press **CMD**.
3. Select **NT** (Night) as the **ZONE TYPE**.
4. Select the area.
5. At the **NEXT ZONE** prompt, select **NO**.
6. Select **YES** when **WIRELESS?** displays.
7. Enter the eight-digit **SERIAL#**. Press **CMD**.
8. Enter the **SUPERVSN TIME** and press **CMD**.
9. Choose whether to enable **DISARM DISABLE** (panel firmware Version 672 and higher). Select **YES** to allow the 1122INT to be disabled for Night and Exit zones while the area is disarmed.
10. 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.
11. Choose either **LOW** or **HIGH** for the **SENSITIVITY**. Selecting **LOW** may reduce false alarms for installations in harsh environments.
12. Choose whether to enable **PET IMMUNITY** (panel firmware Version 672 and higher).
13. At the **NEXT ZONE** prompt, select **YES** if you are finished programming the zone. Select **NO** if you would like to access additional programming options.
14. 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.
15. 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 only a 3.0 V lithium battery, DMP Model CRI23A, or the equivalent battery from a local retail outlet. When setting up a wireless system, program zones and connect the receiver before installing batteries in the transmitters.

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

3 SELECT A LOCATION

The 1122INT provides a survey capability to allow one person to confirm communication with the wireless receiver or panel while the cover is removed. This allows you to easily determine the best location.

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 4.9 and 8.2 ft 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, heat 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 acknowledgement 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.

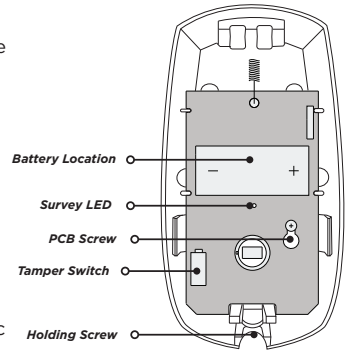


Figure 2: 1122INT Housing and PCB

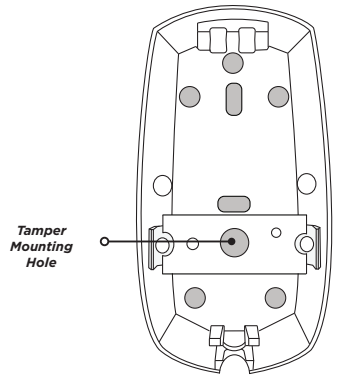


Figure 3: Flat Mounting Hole Locations

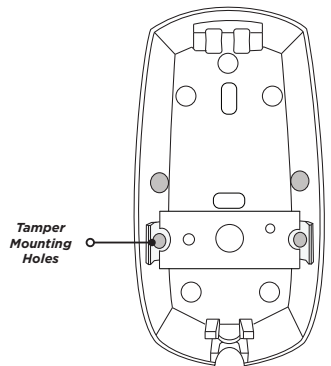


Figure 4: Corner Mounting Hole Locations

4 MOUNT THE 1122INT

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 holding screw back into place.

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. At the keypad, enter **8144** (WALK) and select **PIR**. The 1122INT can take up to 3 minutes to begin the PIR Walk Test.
2. The LED will illuminate steadily for 1 second when it detects motion.
3. Walk test the unit to verify the PIR coverage.
4. To manually end the test, reset the panel. The test will expire on its own after 30 minutes.

Wireless Walk Test

Perform a Wireless Walk Test to confirm that the 1122INT is communicating clearly with the panel.

1. At the keypad, enter **8144** (WALK) and select **WLS**.
2. If the 1122INT fails to check in at the keypad, relocate the 1122INT or the receiver.

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 toward the detector. See Figure 5.

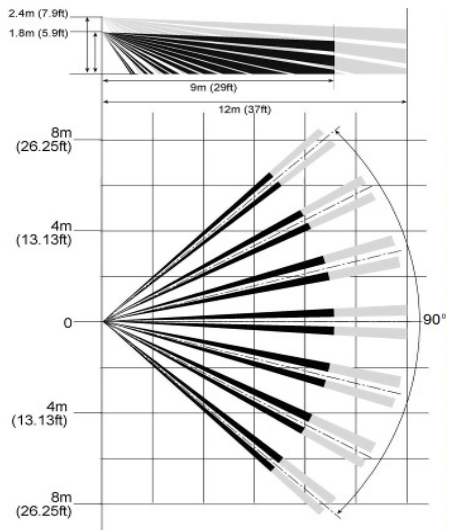


Figure 5: Detection Pattern

Compatibility

- XT30INT/XT50INT, XTLplusINT/XTLtouchINT, and XR150INT/XR550INT Series panels with Version 693 and higher.
- The 1122INT is compatible with 1100INT Series Wireless Receivers with firmware Version 700 and higher.

1122 International Wireless Motion Detector



Specifications

Battery

| | |
|-----------------|--------------------|
| Life Expectancy | 3 years |
| Type | 3 V Lithium CR123A |

Frequency Range 863-869 MHz

Detection

| | |
|-------|----------------|
| Range | 90° 40 x 40 ft |
| Speed | 1 - 5 ft/sec |

Mounting Height 4.9 to 8.2 ft

Transmit Condition Alarm, Low Battery, Tamper

Dimensions 5"L x 2.6"W x 1.5"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 |
| EN 50131-5-3:2017 | 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 61000-3-3:2013 | Limits - Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Public Low-Voltage Supply Systems, for Equipment With Rated Current less than or equal to 16 A per Phase and Not Subject to Conditional Connection |
| EN 61000-6-4:2018 | Generic Standard - Emission Standard for Industrial Environments |



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