FIGURE 1: 1122 WIRELESS PIR MOTION DETECTOR

DESCRIPTION

The 1122 Wireless PIR Motion Detector uses passive infrared technology to detect motion in a wide angle lens pattern. The 1122 also 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 pounds are available for panels with firmware Version 172 and higher.

To extend battery life, the 1122 is equipped with a 30-second sleep timer that restarts on every motion detection. This functionality allows the 1122 to wake up after 30 seconds without motion detected unless disarm/disable is active.

Compatibility

All DMP 1100 Series Wireless Receivers and Transmitters (Version 106 or higher) and Burglary Panels. See the last page for compatibility details.

What is Included?

- One 1122 Wireless PIR Motion Detector
- One 3.0 V lithium CR123A battery

PROGRAM THE PANEL

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

1. In ZONE INFORMATION, enter the wireless zone number.
2. Enter the zone name.
3. Select NT (Night) as the ZONE TYPE.
4. Select the AREA.
5. At the NEXT ZN? prompt, select NO.
7. Enter the eight-digit SERIAL# and press CMD.
8. Enter the SUPRVSN TIME and press CMD.
9. Choose whether or not to enable DISARM DISABLE (panel firmware Version 172 and higher only). Selecting YES allows the 1122 to be disabled for Night and Exit type zones while the area is disarmed.
10. Choose either 2 or 4 for the PULSE COUNT. The pulse count is the number of pulse inputs (trips) the 1122 needs to sense before going into alarm.
11. Choose either LOW or HIGH for the SENSITIVITY. Selecting LOW sensitivity may reduce false alarms for installations in harsh environments.
12. Choose whether or not to enable PET IMMUNITY (panel firmware Version 172 and higher only).
13. At the NEXT ZN? prompt, select YES if you are finished programming the zone. Select NO if you would like to access additional programming options.

INSTALL THE BATTERY

Use only a 3.0 V lithium battery, DMP Model CR123A, or the equivalent battery from a local retail outlet. Keep in mind, 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 1122 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.

Figure 1: 1122 Wireless PIR Motion Detector

Figure 2: 1122 Housing and PCB
3

SELECT A LOCATION

The 1122 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 for the 1122.

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 feet 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 with direct sunlight, heat sources (heaters, radiators, etc.), or strong air drafts (fans, air conditioner, etc.) in the field of view

Check the Location Using the Survey LED

1. Hold the 1122 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.

Confimed: If communication is confirmed, the survey LED turns on when data is sent to the receiver and off when acknowledgement is received. Repeat this test to confirm five separate consecutive LED blinks. Any indication otherwise means proper communication has not been established.

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

4

MOUNT THE 1122

Prior to permanently mounting the 1122, check that it is properly communicating with the panel. See the Select a Location section.

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

Flat Wall: For flat wall installations, choose from the mounting hole locations shown in Figure 3. Be sure to insert a screw in the tamper mounting hole.

Corner: For corner installations, choose from the mounting hole locations shown in Figure 4. Be sure to insert screws in the tamper mounting holes.

3. Reinstall the PCB back into the unit. Tighten the PCB screw to secure it into place.
4. Place the cover back onto the 1122 and tighten the holding screw back into place.
TEST COMMUNICATION TO THE PANEL
Before performing the following tests, ensure the 1122 is programmed in the panel.

PIR Walk Test
Perform a PIR Walk Test to confirm that the 1122 is detecting motion in the necessary areas.
1. At the keypad, enter 8144 (WALK) and select PIR.
   Note: The 1122 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 1122 is communicating clearly with the panel.
1. At the keypad, enter 8144 (WALK) and select WLS.
2. If the 1122 fails to check in at the keypad, relocate the 1122 or the receiver.

REPLACE THE BATTERY
1. Remove the holding screw at the lower end of the 1122 case and gently lift off the cover.
2. Remove the old battery and dispose of it properly. See Figure 2 for the 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 1122 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.
Specifications

Battery Life Expectancy 3 Years (normal operation)
Type 3.0 V Lithium CR123A
Frequency Range 905-924 MHz

Detection
Range 90° 40 x 40 feet
Speed 1 to 5 feet/second
Mounting Height 4.9 to 8.2 feet
Transmit Condition Alarm, Low Battery, Tamper

Specifications, cont.

Color White
Housing Material Flame retardant ABS
Dimensions 5” Length x 2.6” Width x 1.5” Depth

Compatibility
• XT30/XT50, XTLplus, and XR150/XR550 Series panels with Version 172 and higher firmware provide basic functionality, with the addition of adjustable sensitivity, pulse count, pet immunity, and disarm/disable.
• The 1122 (Version 1.0.0.6 firmware and lower) is compatible with 1100 Series Wireless Receivers and Transmitters with firmware Version 106 and higher.

Note: If the 3rd digit of the transmitter’s serial number is greater than 0, it will be v106 or higher. If the 3rd digit is equal to zero, that transmitter must be removed or replaced with a newer transmitter for the 1122 to function properly.

• The 1122 (Version 2.0.0.1 firmware and higher) is compatible with all 1100 Series Wireless Receivers and Transmitters.

Certifications
FCC Part 15 Registration ID CCK1122
Industry Canada Registration ID 5251A-1122

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