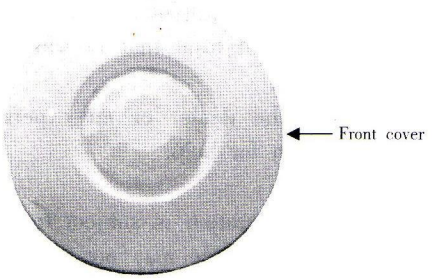
Step 1

Separate sensor housings.

Turn the bottom cover or front cover to the left, and separate the housings.

Figure 1

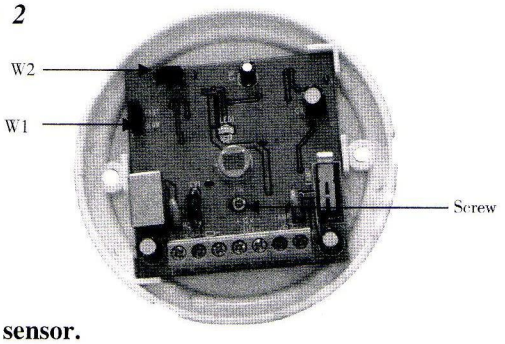


Step 2

Remove the Printed Circuit Board.

Insert the printed circuit board (PCB) into the bottom cover,and turn the screw to the right to tighten it.(see Figure 2)

Figure 2

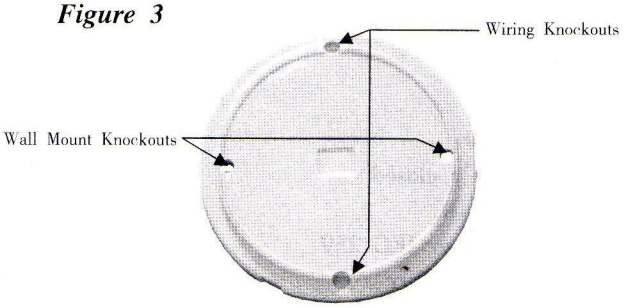


Step 3

Mount the sensor.

Carefully break out the mounting/wiring knockouts on the rear housing, and mount
the housing in the desired location.

Figure 3



Maximum range is obtained at a mounting height of 2.3m (7′6″).

Make sure the sensor has a clear line-of-sight to all areas you wish to protect. If the PIR is blocked,the unit will not alarm.

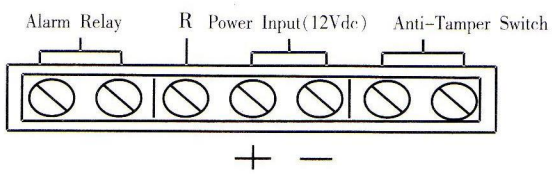
Aim the sensor toward the interior of the room,pointing away from windows, moving machinery, fluorescent lights, and heating/cooling sources.

Step 4

Wire the sensor.

Observing the proper polarity, wire the unit as shown.

Figure 4



Reverse polarity will not damage the sensor.

NOTE: For proper wiring methods, refer to the National Electrical Code, NFPA 70.

Step 5

Reassemble the sensor.

After wiring the sensor, return the PCB to the rear housing and snap the front housing back in place.

Step 6

Walk-test the sensor.

Apply power and let the sensor warm up for three minutes.Use the dip switches to test the PIR technology.

NOTE: After 10 minutes of switch inactivity, the sensor will revert to normal (alarm) mode regardless of switch positions. When any switch is toggled, the 10 minute timer resets.

Walk across the protected area at the ranges to be covered. Two to four normal steps
should make the LED light. When there is no motion in the protected area, the LED should be off.

Step 7

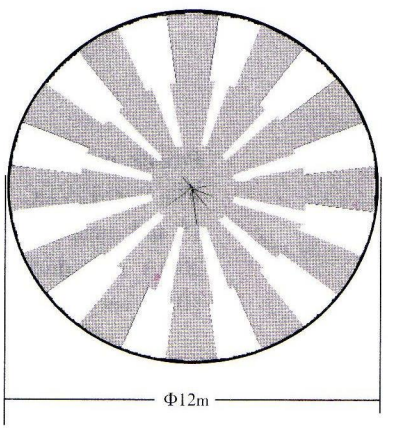
LED DISABLE

To disable the diagnostic and alarm LED, remove the jumper from position W2 on the PCB. Select fast mode or slow mode from position W1. (See Figure 2.)

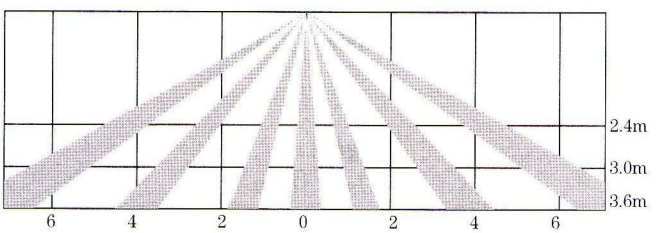
NOTE: The MX-7X0 Series sensor should be tested at least once each year to ensure proper operation.

DETECTION PATTERNS

DOWN VIEW



SIDE VIEW



IMPORTANT: For UL certificated installation, the MX-7X0 series sensors must be connected to a UL listed power supply or UL listed control unit capable of providing **a minimum of four hours** of standby power.

FCC Notice: This equipment has been tested and found to comply with the limits for a field disturbance sensor, pursuant to Part 15 of the FCC Rules.

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.

IC Notice: 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.

PRODUCT SPECIFICATIONS

Install height:
2.4m--3.6m(94.49″-141.73″)

Range:
MX-7X0 dia.=8m (height=2.4m)
dia.=10m (height=3.0m)
dia.=12m (height=3.6m)

Alarm relay:
Form A (normally closed)
100mA, 30 VDC
9-11 ohm series protection resistor

Power requirements:
15mA / 12VDC
15 mA max with LED on,
20mA max during self-test
(0.75 seconds).

PIR white light immunity:
6,500 Lux(min)

RF immunity:
10MHz- 1000MHz (30V/m)

Weight:
61.7g(2.18 oz)

Approvals/listings:
IC
FCC
UL listed

Sensitivity:
2-4 steps within field of view

PIR detector fields-of-view:
MX-720 standard lens
44 long range edges
12 intermediate edges
6 lower edges
4 down edges

Frequencies:
40V/m,10MHz-1000MHz

Tamper switch:
Form A (normally closed)
0.5-50 mA,30 VDC
Dustproof IP 64 per IEC 259

Operating temperature:
-10° to +55℃(-14° to +131°F)

Relativ humidity:
5% to 95% relative humidity
(non-condensing)

Dimensions:
Dia.=86mm (3.38″)
Thickness=25mm (0.98″)

Accessories:
Lens Option Kit 18:3m(10′)
Lens Option Kit 19:Curtain
Lens Option Kit 20:Pet-Alley