

PASSIVE INFRARED DETECTOR

RX-40QZ



FEATURES

- 40ft X 40ft(12m X 12m)Wide Angle
- QUAD Zone Logic
- Patented Multi-focus Lens
- Improved Sealed Optics
- Temperature Compensation Logic

EASY INSTALLATION

- Easy Wiring Knockout
- Wiring Guide
- Spare Terminal
- Wide Wiring Space

FUNCTION

- Selectable Pulse Count(2 or 4)
- LED ON/OFF
- Tamper Switch

OPTION

- FL-60N Long Range Curtain Lens(60ft/18m)
- FA-3 Wall & Ceiling Mount Bracket (Horizontally $\pm 45^\circ$ & Vertically 0° to -15°)

1. INSTALLATION HINTS



① Avoid direct sunlight.

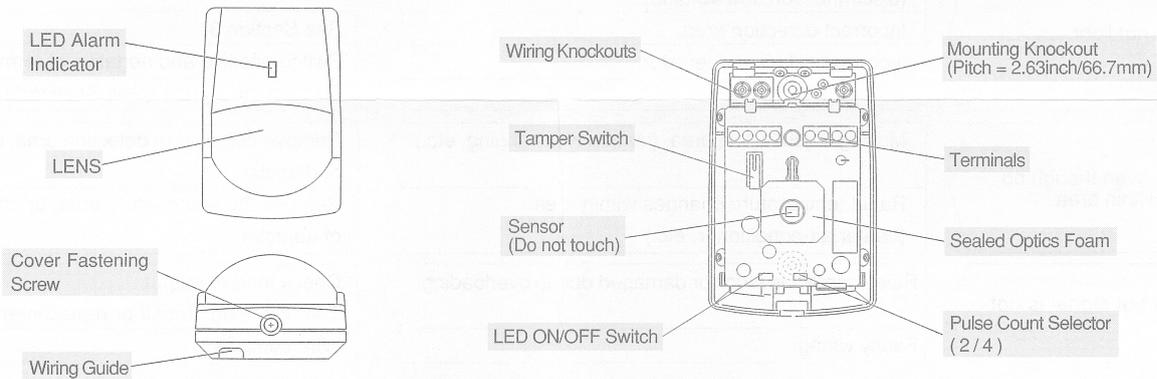
② Avoid looking directly at air conditioning or heating vents.

③ Avoid vapor or high humidity that can cause condensation.

④ Avoid Curtain,Screen,etc. blocking detection area.

⑤ Do not install outdoors.

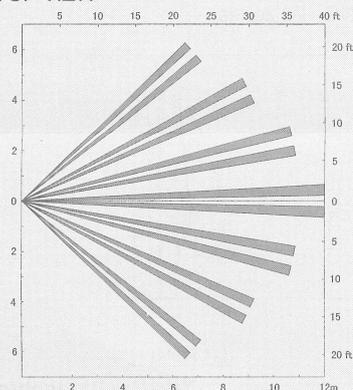
2. DESCRIPTION AND OPERATION



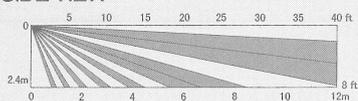
3. DETECTION AREA

WIDE ANGLE

TOP VIEW



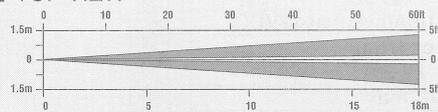
SIDE VIEW



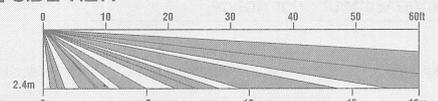
LONG RANGE(OPTIONAL LENS : FL-60N)

IMPORTANT
When selecting the long range detection pattern , always set pulse count selector to "2" .

TOP VIEW



SIDE VIEW



PATTERN AREA SELECTION

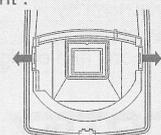
Use the optional lens FL-60N for long range area.



FL-60N
Engraved
"LONG RANGE"

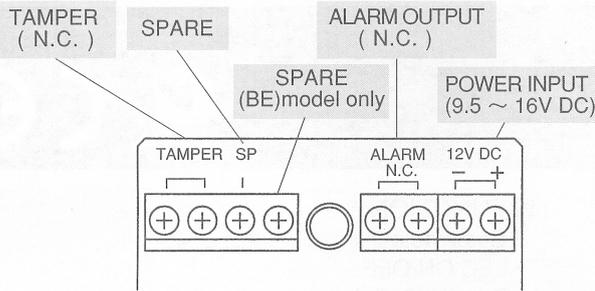
HOW TO REMOVE & FIT LENS

To remove , press both lens hooks to outside and push to the front.
To fit , press the lens into cover from the front .



COVER INSIDE

4. WIRING



※ UL requires RX-40QZ to be connected to a UL listed power supply capable of providing a normal input of 12VDC, 11mA(max.) (at 12VDC) and battery standby time of 4 hours.

Power wires should not exceed the following lengths.

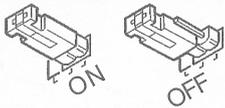
WIRE GAUGE	12V DC	14V DC
AWG 22 (0.33mm ²)	1700' (520m)	3700' (1130m)
AWG 20 (0.52mm ²)	2690' (820m)	5830' (1780m)
AWG 18 (0.83mm ²)	4290' (1310m)	9350' (2850m)

When using two or more units on one wire, the maximum length is obtained by dividing the maximum wire length listed above by the number of units used.

※ The equipment shall be installed in accordance with the National Electrical Code, NFPA 70.

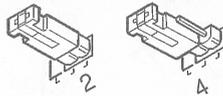
5. LED ON/OFF

Use the pin switch for LED ON/OFF.



6. PULSE COUNT

Use the pin switch for Pulse Count Selection (2 or 4).



7. EASY WIRING KNOCKOUTS

Press firmly with a screwdriver to open. Enlarge the hole according to size of wire.



8. TROUBLE SHOOTING AND MAINTENANCE

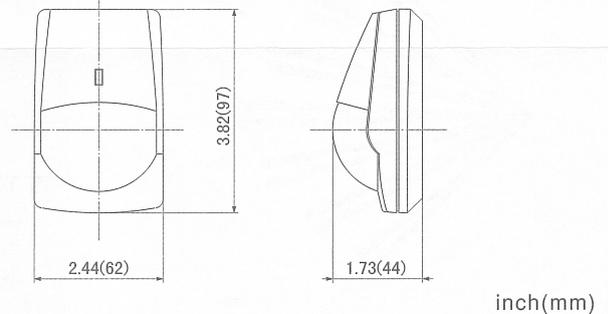
PROBLEM	PROBABLE CAUSE	REMEDY
LED does not light.	Incorrect power supply voltage. (disconnection, low voltage) Incorrect detection area. Incorrect polarity to detector. LED switch is OFF.	Correct the voltage supply to 9.5 ~ 16V DC. See Section 3. Switch positive and negative at terminal. Turn on the Switch. (See Section 5)
LED lights even though no person is within area.	Moving object within area. (curtain, wall hanging, etc.) Rapid temperature changes within area. (heater, air-conditioner, etc.)	Remove object from detection area, or change location of detector. Remove the source from area, or change location of detector.
LED lights but signal is not sent.	Relay contact is stuck or damaged due to overloading. Faulty wiring.	Check load of output. The unit needs repair or replacement. Wire correctly.

9. SPECIFICATIONS

MODEL	RX-40QZ
Detection method	Passive Infrared
Coverage	WIDE: 40ft × 40ft (12m × 12m) 85° wide
Detection zones	WIDE: 78 zones
Mounting Height	5 ~ 8ft (1.5 ~ 2.4m)
Sensitivity	3.6° F (2°C) at 2ft/sec (0.6m/sec)
Detection speed	1 ~ 5ft/sec (0.3 ~ 1.5m/sec)
LED Alarm indicator	Switch-able ON/OFF
Alarm period	Approx. 2.5 sec
Alarm output	N.C., 28VDC 0.2A max.
Tamper switch	N.C., Open when cover is removed.
Pulse Count	Approx. 20 sec 2 or 4
Warm up period	Approx. 30 sec
Power input	9.5 ~ 16VDC
Current draw	8mA (normal), 11mA(max.) at 12VDC
Weight	2.5 oz (70g)
Operating temperature	-4° F ~ +122° F (-20°C ~ +50°C)
Environmental humidity	95% max.
RF interference	No Alarm 20V/m

FL-60N (Optional Lens for Long Range Curtain Pattern)	
Coverage	LONG : 60ft × 6ft (18m × 1.8m) Long Range
Detection zones	LONG : 20 zones

Dimensions



*Specifications and design are subject to change without prior notice.



NOTE

These units are designed to detect movement of an intruder and activate an alarm control panel. Being only part of a complete alarm system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion. These products conform to the EMC Directive 2004/108/EC.

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