

INSTALLATION INSTRUCTIONS



4. SPECIAL INSTRUCTIONS FOR PET IMMUNITY

1. Pet Immunity is most effective on the following sized animals :

Rodents = 0 to 4 inches high

Cats and small to medium sized dogs = 0 to 16 inches high at normal room temperature

- 2. Installation Instructions
 - Mount between 7 and 8 ft. (For better immanity, especially for medium sized dogs, mount as close to 8ft. as possible.)
 - b. Do not angle detector towards the ground or use the angle bracket. Mount flat on the wall or in the corner.
 - c. For best pet immunity, limit the detectors field of view to 30 ft. maximum in any direction. d. For rodents
 - If any shelves within 15 ft. of the detector have a height that comes within 2.5 ft. below the mounting height of the detector and rodents can access these areas, pet immunity will be reduced. Please select mounting lacation of detectors carefully to avoid this situation.
 - e. For cats and dogs (16 inches in height or less at normal room temperature) When a dog jumps up on desks, the detector may detect it. Adjust detection area to avoid
 - such places. f. For cats
 - If there are cats, any shelves in the delection area will reduce pet immunity. g. FL-60N Long Range Curtain Lens
 - When pet immunity is required, optional Long Range Curtain Lens cannot be used. Pet immunity can only be achieved with Wide Angle Lens.
 - h. Pulse count 4 is not required for Pet Immunity applications. Use 4 pulse only in harsh environment.

* These feature has been tested by Underwriters Laboritories.

6. TROUBLE SHOOTING AND MAINTENANCE

5. WIRING



Power wires should not exceed the following lengths.

WIRE GAUGE	12V DC	14V DC
AWG 22 (0.33mm ²)	1070' (320m)	2140' (650m)
AWG 20 (0.52mm ²)	1700' (510m)	3400' (1020m)
AWG 18 (0.83mm ²)	2700' (820m)	5300' (1600m)

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.

- ** UL requires RX-40PI to be connected to a UL listed power supply capable of providing a nominal input of 12VDC, 17mA (max.) (at 12VDC) and battery standby time of 4 hours.
- The equipment shall be installed in accordance with the National Electrical Code, NFPA 70.

PROBLEM	PROBABLE CAUSE	REMEDY
	Incorrect power supply voltage. (disconnection, low voltage)	Correct the voltage supply to $9.5 \sim 16V$ DC.
LED does not light.	Incorrect detection area.	See Section 3.
	Incorrect polarity to detector.	Switch positive and negative at terminal.
	LED switch is OFF.	Turn on the Switch. (See Section 2)
LED lights even though no person is within area.	Moving object within area. (curtain,wall hanging, etc.)	Remove object from detection area, or change location of detector.
	Rapid temperature changes within area. (heater,air-conditioner, etc.)	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.	Check load of output. The unit needs repair or replacement.
	Faulty wiring.	Wire correctly.

Coverage

7. SPECIFICATIONS

MODEL	RX-40PI	
Detection method	Passive Infrared	
Coverage	WIDE : 40 ft \times 40ft (12m \times 12m) 85° wide	
Detection zones	WIDE : 78 zones	
Mounting Height	5∼ 8ft (1.5∼ 2.4m)	
Sensitivity	3.6°F (2℃) 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.	
Pulse Count	Approx. 20 sec 2 or 4	
Warm up period	Approx. 30 sec	
Power input	9.5~ 16VDC	
Current draw	17mA (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	
*Specifications and dea	sign are subject to change without prior notice.	

Detection zones	LONG : 20 zones	
Dimensions		
	3.82(97)	
2.44(62)	1.73(44)	
		inch (mm)

FL-60N (Optional Lens for Long Range Curtain Pattern)

LONG: 60ft × 6ft (18m × 1.8m) Long Range

NOTE

This unit is designed to detect movement of an intruder and activate an alarm control panel. Being only a part of a complete system, we can not accept responsibility for any damages or other consequences resulting from an intrusion. This Product conforms to the EMC Directive. 89/336 EEC.

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