

PASSIVE INFRARED DETECTOR W / PET IMMUNITY

KX-08

FEATURES

- 25ft x 25ft Wide Angle
- Ceiling Mount
- QUAD Zone Logic
- Patented Multi-focus Lens
- Temperature Compensation Logic
- Pet Immunity
- Anti-insect Protective Structure
- Durable Dome Cover

EASY INSTALLATION

- Variable Horizontal Angle 9D degrees plus/minus 10 degrees
- Perfectly fit with Standard Switch Box (3.29ft pitch)
- Wide Wiring Space
- Non-adjustable High Density Detective Area

FUNCTION

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

1. INSTALLATION HINTS

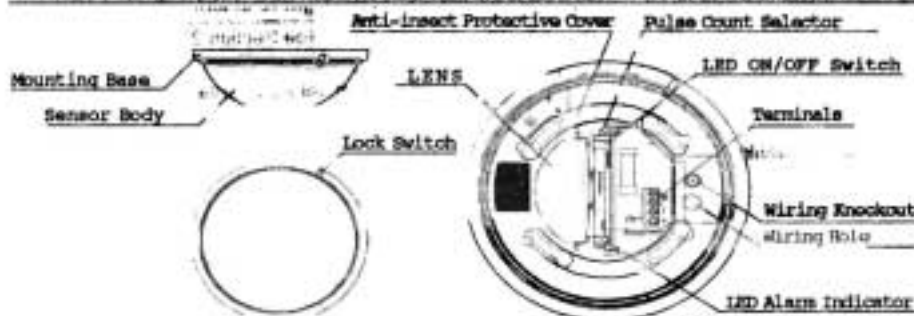

Avoid direct sunlight.

Avoid looking directly at air conditioning or heating vents.

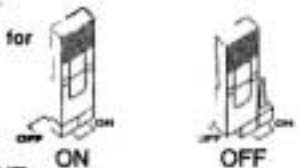
Avoid vapor or high humidity that can cause condensation.

Avoid Curtain, Screen, etc. blocking detection area.

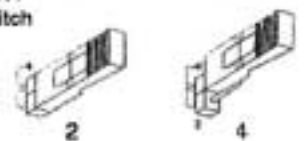
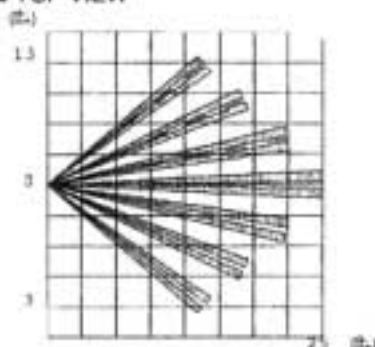
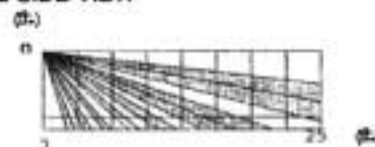
Do not install outdoors.

2. DESCRIPTION AND OPERATION

LED ON/OFF

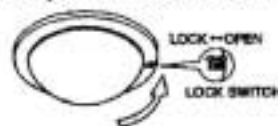
Use the switch for LED ON/OFF.


PULSE COUNT

Use the pin switch for Pulse Count.


3. DETECTION AREA
WIDE ANGLE
TOP VIEW

SIDE VIEW

4. INSTALLATION

1. Slide lock switch away from sensor body. Turn sensor body counter clockwise and remove.



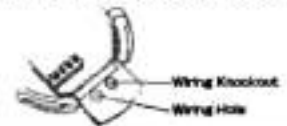
3. Install mounting base paying the close attention to the direction so that the lens may face the center of the detection area.



5. Connect sensor body and mounting base by aligning notches and turning sensor body clockwise. Slide lock switch toward sensor body.



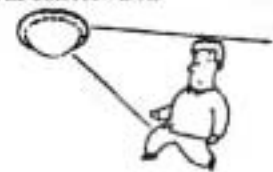
2. Lead in wires through a hole, then connect to the terminals. Use a knockout if necessary.



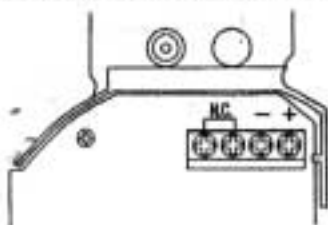
4. Make necessary adjustments on the unit according to environment. Check the Pulse Count Selector and LED On/Off Switch.



6. Conduct walk test to confirm detector operation as well as detection area.



5. WIRING



Power wires should not exceed the following lengths.

WIRE GAUGE	12VDC	14VDC
AWG24(0.33mm ²)	1070ft.	2140ft.
AWG20(0.52mm ²)	1700ft.	3400ft.
AWG16(0.83mm ²)	2700ft.	5300ft.

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

6. SPECIAL INSTRUCTION FOR PET IMMUNITY

- Pet Immunity is most effective on the following sized animals:
Rodents=3.93 inches high
Cats and small to medium sized dogs=15.7 inches high at normal temperature.

- Installation Instructions
 - Mount 8 ft.
 - Do not angle detector towards the wall. Mount flat on the ceiling.
 - For rodents

If any shelves within 15 ft. of the detector have a height that comes within 2.3 ft. below the mounting height of the detector and rodents can access these areas, pet immunity will be reduced. Please select mounting location of detectors carefully to avoid this situation.

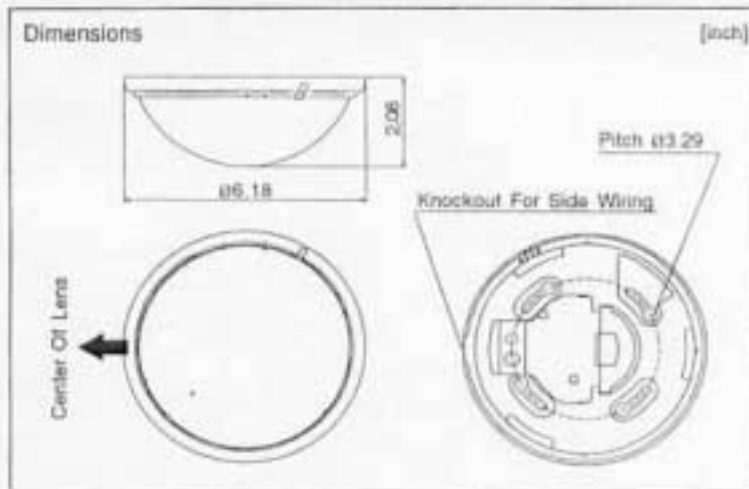
- For cats and dogs (15.7 inches in height of or less at normal room temp.)
When a dog jumps up on desks, the detector may detect it. Adjust detection area to avoid such places.
- For cats
If there are cats, any shelves in the detection area will reduce pet immunity.
- Pulse Count 4 is not required for Pet Immunity applications. Use 4 pulse only in harsh environment.

7. TROUBLE SHOOTING AND MAINTENANCE

PROBLEM	PROBABLE CAUSE	REMEDY
LED does not light.	Incorrect power supply voltage. (disconnection, low voltage)	Correct the voltage supply to 9.5~16VDC.
	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 over-loading.	Check load of output. The unit needs repair or replacement.
	Faulty wiring.	Wire correctly.

8. SPECIFICATIONS

MODEL	XX108
Detection method	Passive Infrared
Coverage	WIDE 25ft. x 25ft. 85degree wide
Detection zones	WIDE 78zones
Mounting height	8 ft.
Sensitivity	3.6 degree F at 2ft./sec.
Detection speed	1 - 5 ft./sec.
LED Alarm Indicator	Switch-able ON/OFF
Alarm period	Approx. 2.5sec
Alarm output	N.C., 28VDC 0.2A max.
Pulse Output	Approx. 20sec 2 or 4
Warm up period	Approx. 30sec
Power input	9.5~16VDC
Current draw	14mA(normal) 17mA(max.) at 12VDC
Weight	3.9 oz.
Operating temperature	-4 degree F - +122 degree F
Environmental Humidity	95% max.
RF Interference	No Alarm 20V/m



NOTE

This unit is 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.



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