



**CEILING MOUNT PASSIVE INFRARED DETECTOR
W/ PET IMMUNITY**

KX-08



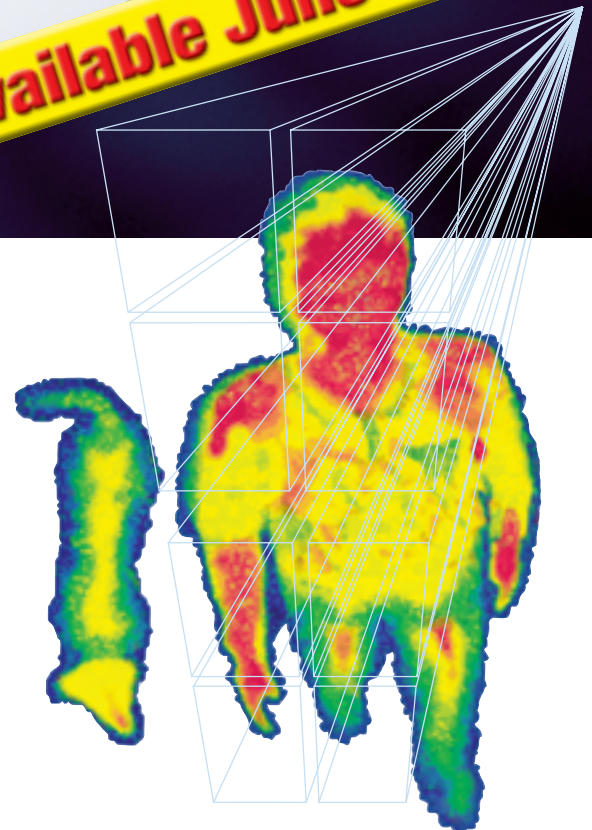
***Pet Immunity to Cats and
Small to Medium Sized Dogs***

Available June 2001

CEILING MOUNT QUAD ZONE LOGIC

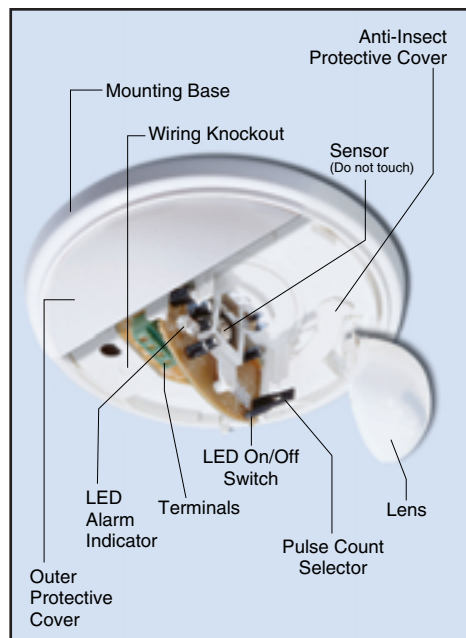
The KX-08 combines the ease of installation and good looks of a ceiling mounted sensor with the reliability of Optex unique Quad-Zone Logic. Using this logic, the KX-08 has been designed to give extremely high false alarm protection with tolerance to spot temperature changes from curtains or small to medium sized animals. Optex's Optical Quad Technology uses taller detection zones divided into upper and lower areas. It detects IR energy changes in both areas and then couples them for extremely accurate detections. KX-08 provides very high reliability, ease of installation and blends perfectly in the room with its small ceiling mount design.

5 YEAR WARRANTY



Ceiling Mount Passive Infrared Detector w/ Pet Immunity

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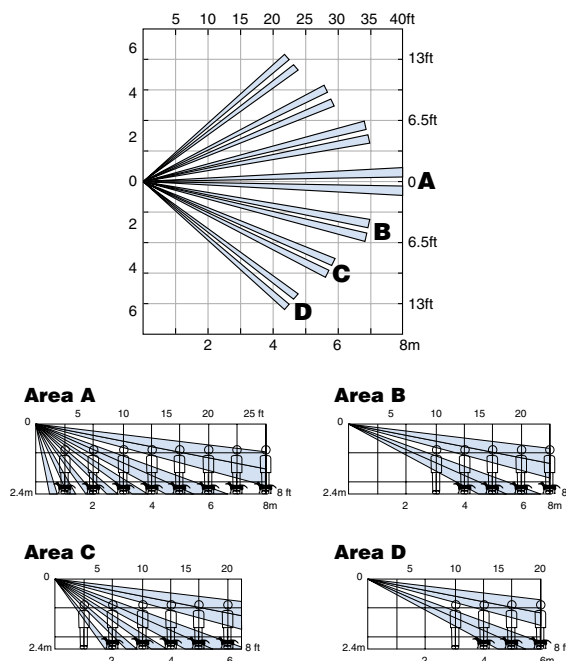
FEATURES

TECHNOLOGY FOR HIGHEST RELIABILITY

• Quad Zone Logic - Recognized Humans and Ignores Most Small Animals

Quad Zone Logic provides multi segmented detection zones over the detection area. An alarm signal is created by the cumulated total IR energy of each zone. It is designed so that a human sized target will normally fill 4 to 8 zones, and this will cause an alarm to be generated. Any smaller temperature change (i.e. small to medium size pets, rodents or moving curtains) only activates one or two zones at the same time creating a much weaker detection signal. Pet immunity applies to animals 0 to 16 inches in height. These signals are further analyzed by the "ECO" Chip and signal processing circuit for accurate detection of humans and avoidance of most small animals.

Detection Area



Spherical Lens Inside

Obtains an accurate focal length for each detection zone and maximizes the performance of Quad Zone Logic.

Selectable Pulse Count : 2 or 4

LED On/Off Switch

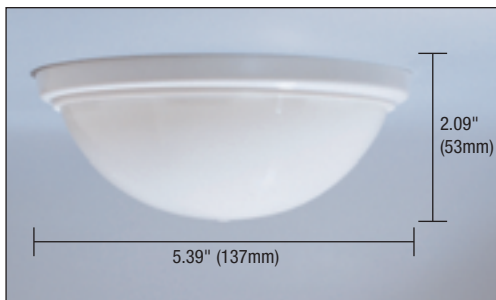
RFI Protection

No alarm at 20V/m

Temperature Compensation Logic

"ECO" Chip includes temperature compensation circuit. It controls sensitivity to improve stability against changes in environmental conditions.

DIMENSIONS



SPECIFICATIONS

Model	KX-08	Alarm Output	N.C., 28VDC, 0.2A max.
Detection Method	Passive Infrared	Pulse Count	Approx. 20 sec. 2 or 4
Coverage	Wide: 25ft x 25ft, 85° wide	Warm-up Period	Approx. 30 sec.
Detection Zones	Wide: 78 zones	Power Input	9.5 ~ 16VDC
Mounting Height	8ft (2.44m)	Current Draw	17mA (max.) at 12VDC
Sensitivity	3.6°F (2°C) at 2ft/sec. (0.6m/sec.)	Weight	3.9 oz.
Detection Speed	1 ~ 5ft/sec. (0.3 ~ 1.5m/sec.)	Operating Temperature	-4°F ~ +122°F (-20°C ~ +50°C)
LED Alarm Indicator	Switchable On/Off	Environmental Humidity	95% max.
Alarm Period	Approx. 2.5 sec.	RF Interference	No Alarm 20V/m



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