

### FEATURES

- Uses Z-Wave Technology - Transmits RF signal to turn on lights as part of an alarm system
- 110 degree coverage (convex honeycomb, hemispherical infrared lens)
- 39 Foot (12 Meter) Range
- Sensitivity selector
- Low battery detection

### APPLICATIONS

#### SAFETY AND SECURITY

- **Control of lighting** - If building is equipped with Z-Wave receivers for controlling lighting, ZIR can turn on selected lighting if triggered.
- **Added Sensing for Existing Alarm System** - ZIR010's can be used to trigger existing alarm systems if equipped with a Z-Wave interface. Because ZIR010 is wireless you can easily expand the sensing points of your present system as easily as hanging a picture...install them in key locations in the house (or office).



### PRODUCT DESCRIPTION

This **Wall Mounted Passive Infrared Sensor** can be easily installed in any location as it is battery powered (4 AAA). It is compact, attractive in design, and is ideal for commercial, office and residential application. It is provided with an adjustable bracket designed for horizontal or vertical use. ZIR010 detects occupancy by sensing changes in the infrared energy patterns. ZIR010 emits no radiation and is harmless to humans and animals.

ZIR010 has three modes: Alarm mode, Lighting Mode and Binary Sensor Mode. Alarm mode

allows the ZIR010 to be used in a Z-Wave enabled alarm system.

Lighting Mode allows the ZIR010 to turn on lights when motion is sensed. The amount of time the lights remain on are user configured.

Binary Sensor Mode allows ZIR010 to talk to other devices in the network that accept a binary signal.

HomePro products utilize radio frequency (RF) Z-Wave™ technology to communicate and inter-operate, and are compatible with other Z-Wave™ enabled RF products.

### ORDERING INFORMATION

Specify: **ZIR010** (White) - Infrared RF Transmitter, Wall Mounted

### SPECIFICATIONS

#### Electrical Specifications

Power Supply	6VDC (4 x 1.5V AAA alkaline battery)
Battery life	Approximately 12 months
Standby Current	58microampere
Alarm Current	28.7mA
Coverage Range	110 Degrees and up to 39 feet (12 meters ) in wide angle

## RF Specifications

RF Data Rate	9.6kbps
RF Frequency (Center Frequency)	868.42 MHz
Modulation Frequency	Center frequency +/- 20kHz
Typical RF Output Power	+2 dBm *
Typical Receiver Sensitivity	-98 dBm
Communication Error Rate (CER)	<10 <sup>-4</sup> @ -80 dBm
Range (Typical)	Up to 100 feet (30.5 meters) line of sight between ZIR010 and the closest HomePro Receiver. Receivers, however, relay the signal to the next closest receiver creating an RF network.

## RF & EMC Regulatory

RF	FCC Part 15, Subpart C
EMC	FCC Part 15, Subpart C

## Physical Specifications

Dimensions (H x W x D)	4.125" x 2.6" x 1.85" (10.47cm x 6.6cm x 4.7cm)
Mounting	Mounting bracket provided
Mounted Dimensions (H x W x D)	4.125" x 2.6" x 3.10" (10.47cm x 6.6cm x 7.8 cm)

## Environmental

Operating Temperature	32 °F to 105 °F (0 to 40°C) - Indoor Use Only
Operating Relative Humidity	8 to 80% (non condensing environment)
Storage Temperature	-58 °F to 221°F (-50 to +105°C)

\* dBm - Abbreviation for decibels above (or below) 1 milliwatt. A quantity of power expressed in terms of its ratio to one milliwatt.

Specifications may change without notice to improve product performance.

