

# TECHNICAL DATASHEET

## IR-250LP

### Battery Operated Passive Infrared Detector

#### GENERAL

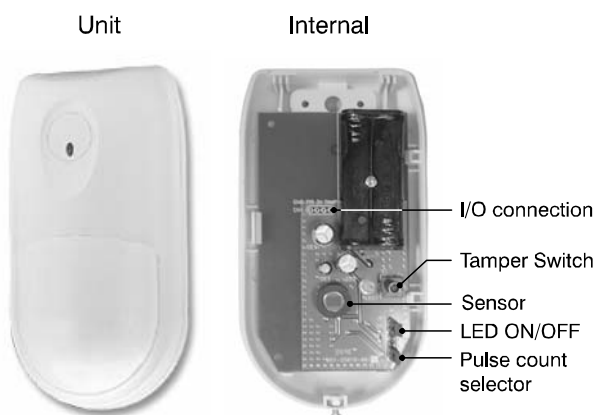
The IR-250LP is a battery operated passive infrared detector designed for the OEM products which require reliable intrusion or human presence detection with extremely low power consumption. In addition to the reliable detection, this PIR detector also provides sufficient space for OEM radio module assembly.

Its extremely low power consumption supports multiple years of battery life. With the integration of radio transmitter/transceiver, the IR-250LP will be a reliable PIR detector for OEM wireless security or building management applications.

#### FEATURES

- Exceptionally low power consumption
- Excellent RFI/EMI immunity protection.
- Automatic temperature compensation.
- 2 x AAA alkaline battery power supply.
- Intelligent selectable pulse count.
- Disabled walk-test LED indication.
- Active low tamper protection output.
- Sufficient space for RF module integration.
- Ceiling/wall mount bracket available.

#### DESCRIPTIONS

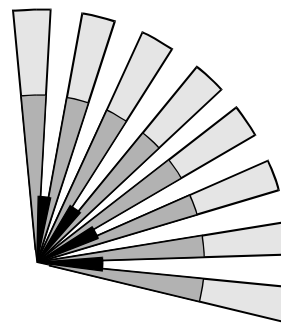


#### I/O CONNECTIONS

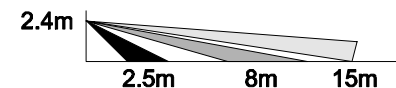
PIN	CODE	DESCRIPTIONS
1	GND	DC ground.
2	PIR	PIR sensor output, active low open collector
3	3V	3V DC power output from battery.
4	TAMP	Tamper protection output, cover open: GND

#### DETECTION PATTERN

Top view



Side view



#### SPECIFICATIONS

Power supply	2 x AAA alkaline battery
Operation voltage	3.0 VDC
Current drain	<8 uA, PIR sensor only, LED off
Detection angle	110° wide, 15 x 15 m
Alarm output	Open collector
Tamper protection	NO, Active low.
Mounting height	1.8 ~ 3.6 m
Pulse count	2 / 3 pulses selectable
RFI immunity	Ave. 20 V/m from 10~1,000 MHz
Humidity	95% RH maximum
Op. temperature	-20°C ~ 50°C (4°F ~ 122°F)
Dimensions	132 x 72 x 57 mm

Specifications are subject to change without prior notice.

\* Actual battery life is determined by battery quality and capacity, transmission interval, power consumption of radio transmitter.