

ISD-2350QT

True Digital Quad PIR Motion Sensor

The ISD-2350QT is a 15m x 90° two-channel quad-element passive infrared motion sensor with direct digital amplifiers, dual-slope high resolution digital temperature compensation and mirror optic look-down zones.



Features

- **Unique ZeroSat™ Amplifier**
Fully digital processing with patented unique ZeroSat™ 17 bit digital amplifier giving unparalleled accuracy, with 73 times overload margin (standard analogue detectors give 4 times).
- **Digital Amplifiers**
The twin 17 bit digital amplifiers have twice the dynamic range of a music CD with 1,365 times over sampling.
- **True Temperature Compensation**
Calibrated Digital Dual Slope temperature compensation with a resolution 0.125°C ensures stability throughout the temperature range.
- **Digital Signal Processing**
All signal processing is digital at 1 million instructions per second.
- **Look-down Zones**
Patented look-down mirror provides for optimum detection pattern directly beneath the sensor.
- **Mounting Flexibility**
The unit easily mounts on walls or in corners for a full range of coverage. With subtle corner mounting knock-outs, the ISD-2350QT maintains its streamlined aesthetics no matter where it is placed.
- **Sabotage-resistant Lens Design**
The lens wraps around a retainer, making it more stable and difficult to sabotage.
- **Selectable Sensitivity**
Sensitivity can be adjusted to match installation requirements.
- **Zone Doubler Mode**
Equivalent to 2 dual element sensors looking through the same optics doubles the number of detection zones.
- **White Light Immunity**
A white light absorbing, carbon-filled black bug guard dramatically increases white light immunity.
- **Bug Guard**
Prevents insect access into the sensor optics, eliminating potential for false activation.
- **Attractive, Sleek Design**
The smooth, white housing is designed to blend with any room decor.
- **Excellent Performance**
This sensor sets a new standard of performance, never before seen in the security industry.
- **Applications**
Designed for residential and light commercial applications.



Specifications

Physical

White, high impact ABS housing
Height : 87 mm
Width : 62 mm
Depth : 40 mm
Weight : 66 g

Operating Voltage

9V to 16V DC with reverse polarity protection.

Current

9 mA quiescent.

Alarm Output

Normally Closed rated at 50 mA @ 24V DC with 4.7 Ohm series protection resistor.

Alarm Period

2 Seconds.

Tamper Output

Normally Closed rated at 50 mA @ 24V DC.

Operating Temperature

-10°C to +55°C; up to 95% RH, non-condensing.

RF Immunity

Exceeds the requirements of EN50130-4.

White Light Immunity

10,000 Lux.

PIR Sensitivity

Digital Pulse Count
Jumper selectable 1, 2 or 3.

Quad/Zone Doubler (Q/ZD)

Jumper selectable – Quad mode for harsh environments, or Zone Doubler for higher sensitivity.

Remote LED Enable

Connect to 0 V to enable LED remotely.

Wire Channel

8 mm x 6.5 mm (w x d).

Accessories

SMB-10 : Universal white swivel mount bracket.

SMB-10T : Tampered universal white swivel mount bracket.

SMB-10C : Universal white ceiling mount bracket.

Approvals

CE approved.



Detection Patterns

Detection Range

15m x 90°.

PIR Fields of View

(2 fields of view per PIR finger)

Long Range : 22

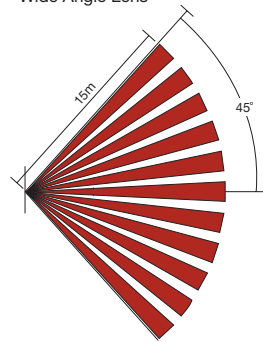
Intermediate : 22

Medium : 12

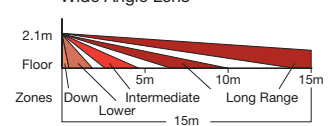
Lower : 6

Look-down : 4

Top View
Wide Angle Lens



Side View
Wide Angle Lens



For further information, please contact:

