



The world's tiniest PIR



Features

- *Virtually invisible (flush mounted)*
- *Super RFI protection*
- *Alternate polarity pulse counter*
- *SMD technology for highest reliability*
- *3/4 in. (19 mm) diameter*
- *Long range, wide angle, medium angle and solid curtain detection patterns*

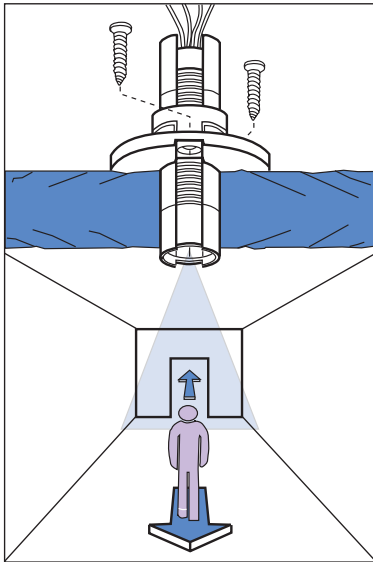
Applications

- *Unnoticeable detection*
- *Museums*
- *Vaults*
- *Demonstration panels*
- *CCTV camera activation*
- *Access control systems*

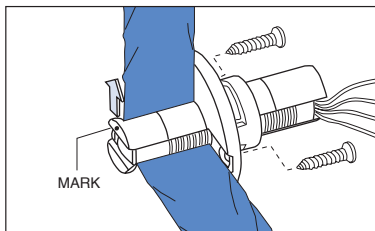


Visonic Ltd

Committed to Advancing Security



Curtain model Spy 4 ceiling installation



Back of wall Spy 2 installation

Visonic Ltd. is proud to introduce the Spy detector - the tiniest flush mount PIR detector in the world.

At 0.75 in. (19 mm) diameter, and 2.75 in. (70 mm) in length, the ultra-miniature spy detector packs great many features including alternate polarity pulse counter, reliable low noise pyroelectric detector and light rejection filter. In addition, the Spy provides the highest level of false alarm immunity and a number of unique installation features.

Four different Spy models are available for Long Range, Medium Angle, Wide Angle or Curtain coverages. Models are designed for in-wall or in-ceiling installation, so the only visible part of the Spy after installation is the inconspicuous lens itself.

Applications for the Spy may range from installations in which unnoticeable detection is required for aesthetic reasons, to installations at special security areas such as museums, vaults, or office files.

In addition, special models has been designed for request-to-exit applications in access control systems.

Specifications

OPTICAL

Detection Patterns: Four different detection patterns are available:

SPY 1 - Long Range: narrow angle corridor pattern with maximum coverage area of 35 ft/17° (11 m/17°).

SPY 2 - Medium Angle: 3 double beams in a single detection layer with maximum coverage area of 25 ft/50° (8 m/50°).

SPY 3 - Wide Angle: 6 double beams in a single detection layer with maximum coverage area of 25 ft/100° (8 m/100°).

SPY 4 - Solid Curtain: with maximum coverage area of 6 ft (2 m) width, 12 ft (4 m) height.

ELECTRICAL

Voltage: 10 to 14 VDC.

Current: 12.5 mA @ 12 VDC

Alarm Output: Normally closed (fail-safe) contacts. Rating 0.1A resistive / 24 VDC. 18 ohm resistor in series with contacts. Open collector output, 50 mA max (SPY-RTE-B only).

Alarm Period:

Spy 1, 2, 3, 4: 2-10 seconds.

Spy RTE-A & B: 1-2 seconds.

Pulse Counter:

Spy 2, 3, 4: Factory set to 2 pulses alternate polarity.

Spy 1 & Spy RTE-A & B: 1 pulse.

Detector: Dual-element low noise pyroelectric sensor.

INSTALLATION

Spy PIRs can be installed in a wall or ceiling and are available with both a collar and a front or rear mounting plate, depending on the model.

ENVIRONMENTAL

Operating Temperature: 32°F to 122°F (0°C to 50°C).

Storage Temperature: -4°F to 140°F (-20°C to 60°C).

RFI Protection: > 10 V/m to 1000 MHz.

PHYSICAL

Diameter: 0.75 in. (19 mm)

Length: 2.75 in. (70 mm)

Weight: 1.1 oz (30 gr).

Color: White.

MODELS AVAILABLE:

See Detection Patterns.

SPY-RTE-A: Request-to-exit, relay output

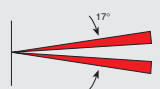
SPY-RTE-B: Request-to-exit, open collector output

Visonic Ltd. reserves the right to change specifications without prior notice. Full warranty statement available upon request.

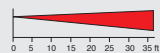
Coverage patterns

SPY 1: Long Range
Maximum coverage
11 m/17° (35 ft/17°)

TOP VIEW

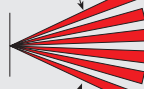


SIDE VIEW

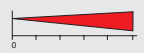


SPY 2: Medium Angle
Maximum coverage
8 m/50° (25 ft/50°)

TOP VIEW



SIDE VIEW

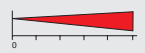


SPY 3: Wide Angle
Maximum coverage
8 m/100° (25 ft/100°)

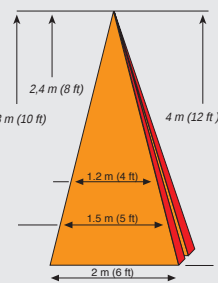
TOP VIEW



SIDE VIEW



SPY 4: Curtain
Maximum coverage of
2 m (6 ft) width at
4 m (12 ft) height



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