



**Strata PIR motion detectors add mirror-optics technology to an already extensive line of intrusion sensors.** Engineered for applications where there is no room for compromise, Strata utilizes precision-designed mirror optics with advanced microprocessor control to deliver the ultimate in IR motion detection capability while maintaining true false alarm resistance. By using a highly reflective mirror instead of a lens to provide a precise, uniform pattern, Strata allows greater amounts of infrared energy to be collected and focused directly on to its sensing component for superior catch performance.



## Product Features:

- ▶ Highly reflective, precise mirror optics
- ▶ Digital signal analysis for consistent detection throughout the coverage pattern
- ▶ Digital temperature compensation
- ▶ Patented Multi-Level Signal Processing (MLSP)
- ▶ Sensitivity adjustments
- ▶ Swivel-mount bracket for the ultimate in detector location and installation flexibility
- ▶ Concealed wiring channel
- ▶ Unique cover hinge allows the unit to be installed right up to the ceiling
- ▶ Readily accessible screw terminals
- ▶ Interchangeable mirrors
- ▶ Attractive, modern design

## Accurate Detection

Patented Multi-Level Signal Processing (MLSP) provides for more accurate detection of human IR energy over a broad range of temperatures. It's able to maximize catch performance while providing protection against false alarm sources such as radio interference, air vents and insects.

## Sensitivity Adjustment

Strata can be operated in "normal" (high sensitivity) or "hostile" (low sensitivity) modes with minimal reduction of the protection pattern.

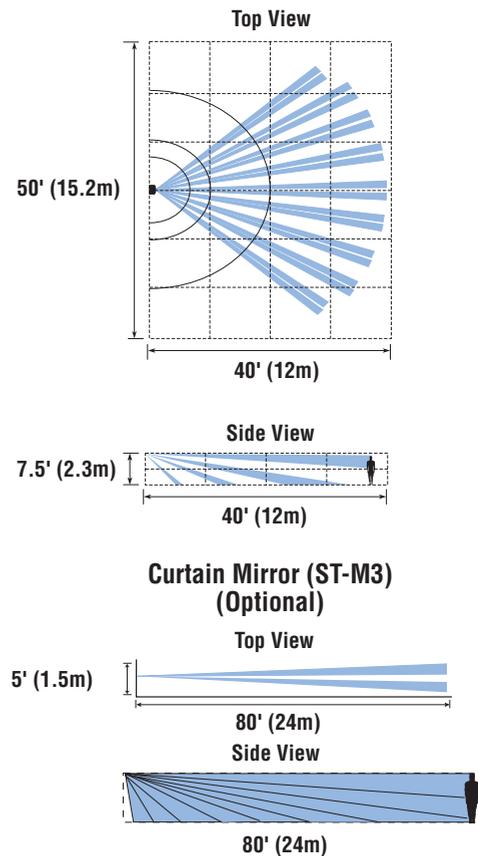
## Value Added

A wide angle mirror providing 40'(L) x 50'(W) (12.2 m x 15.2 m) of coverage is standard; an optional curtain mirror (ST-M3) is available for coverage of distances up to 80' (24 m).

## Versatile Mounting

The unique swivel-mount bracket supplied with Strata provides broad horizontal ( $\pm 35^\circ$ ) and vertical adjustment ( $-30^\circ$  to  $+10^\circ$ ) ranges, enabling the detector to be targeted with pinpoint accuracy. This flexibility allows the detector to be mounted in more convenient or less obtrusive locations. For simple installations, Strata can be mounted without the bracket in the conventional manner. A unique cover hinge allows the device to be installed right up to the ceiling, while readily accessible screw terminals and a concealed wiring channel help to simplify installations and hide wires for a clean, finished look.

## Coverage Pattern



## Specifications

Operating Voltage	9.5 Vdc to 14.5 Vdc
Supply Voltage Ripple	3.0 V PP @ 12 Vdc
Standby Current	15 mA (Nominal)
Current in Alarm	18 mA (Nominal)
Contact Rating	100 mA @ 24 Vdc
Alarm Contact Resistor in Common	10 Ohm 0.25 W
Operating Temperature Range	14° F to 122° F (-10° C to 50° C)
Relative Humidity	5% to 95%
Static Immunity	8 kV Contact, 15 kV Air
Transient Immunity	2.4 kV @ 1.2 Joules
White Light Immunity	20,000 Lux @ Device
Walk Detection Speed	0.5 to 10 ft/s (0.15 to 3 m/sec)
Coverage Angle	80° (ST-M1)
Mounting Heights	6 to 12 ft (1.8 to 3.6 m)

### Ordering Information:

ST-300D	Form 'A' Alarm Contact
ST-301D	Form 'A' Alarm Contact & Tamper Switch
ST-302D	Form 'C' Alarm Contact & Tamper Switch
ST-M3	Optional Curtain Mirror

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