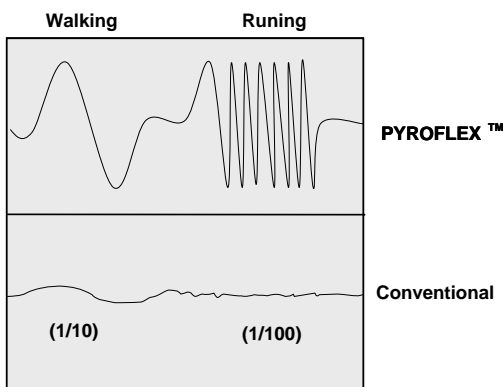


## PIR Motion Sensor



### Reliable Detection

- ❑ **High-efficiency Spherical Lens**
  - Maximum optical signal strength
  - Attractive appearance
- ❑ **122-field-of-view Lens/Detector System**
  - Staggered layout for best detection
  - Alternating polarity for strong signals
- ❑ **Stable and Reliable Sensor Electronics**
  - 100% surface-mount components
  - No aluminum electrolytic capacitors
  - Summertime detection in near-human temperature environments



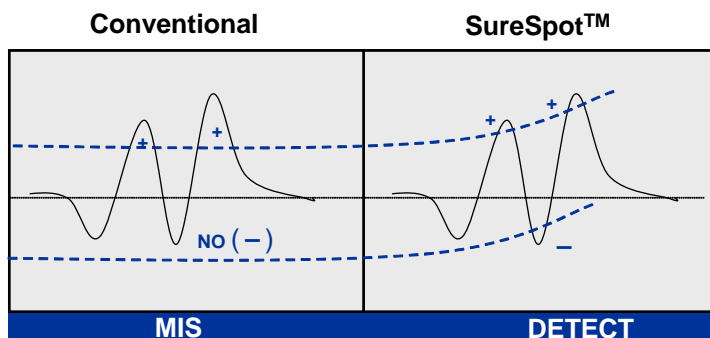
\*\* U.S. Patent NO: 7,042,134 7,141,910  
 U.K. Patent NO: GB 2 427 270  
 Patents pending worldwide.

### False Detection Immunity

- ❑ **PYROFLEX™\*\* IR Detector**
  - 10x – 100x more signal than ordinary detectors; less amplification needed
  - 10x – 100x less gain for false alarms
  - High immunity to shock, white light, temperature, RF, electrical surges
- ❑ **Three-Stage White Light Protection**
  - White diffusing lens
  - Clear bug guard – less light concentration
  - Large white-light filter (on 4 x 5mm detector window) – detector elements far from filter

### Wide Temperature Range

- ❑ **Operation from -40°C to +55°C**



### Easy Installation

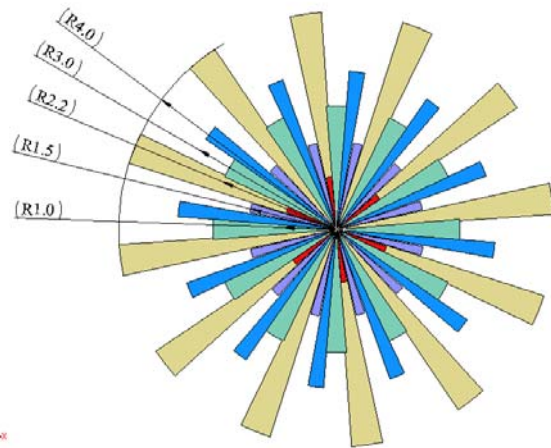
- ❑ Spring clips for mounting in drop ceiling
- ❑ Trim ring for mounting on solid ceiling
- ❑ Knock-out holes for mounting and wiring

## Product Features

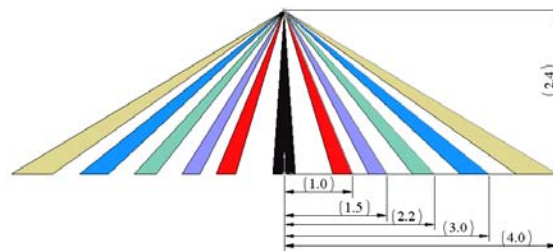
- ❑ **PYROFLEX™** infrared detector and advanced **SureSpot™** detection work together for consistent detection sensitivity throughout the monitored area
- ❑ Wide operating temperature range (-40°C to + 55°C)
- ❑ Microcontroller temperature analysis for best summertime detection
- ❑ Tightly-mated bug guard to protect the sensor optics from insects, spiders and dust
- ❑ Selectable detection sensitivity (standard/high) for different environmental requirements
- ❑ Sensitive tamper detection switch

## Optical View Pattern

Top View



Side View



## Specifications

Relay/Tamper:	Solid-state, 30V, 50mA/(NC)50mA @30Vdc			
Detection Range:	6m circle with sensor mounted at 2.4m height.			
Power Supply:	8-16 Vdc / 14mA			
RF Immunity:	20 V/m 10 – 1000 MHz; 10 V/m 1000-2000 MHz			
Sensitivity:	1-event or 2-event			
Temperature Range:	-40°C to +55°C			
Qualifications	EN 50131-2-2 Grade-2			
Height range:	2.3 - 6.0 m			
Housing:	High-impact ABS			
Dimensions:	38mm overall height; 93mm diameter; 25mm below drop ceiling			
Optical fields-of-view	Long Range	Mid Range	Short Range	Look-down
	48	48	16	10

All specifications are subject to change without notice.