

# SP-215 PYROFLEX™\*\*

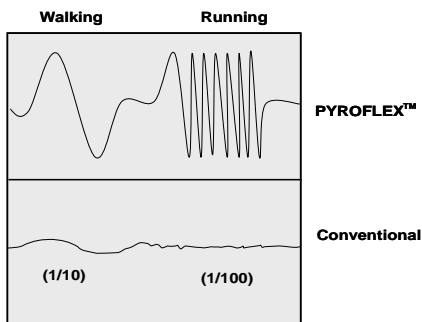
# SUREN

## SP-315 PIR Motion Sensors - Supervised



### Easy Installation

- ❑ 10-minute view finder mode
- ❑ Deep wire channels, dual cable entry
- ❑ 45-degree corner-mounting surfaces
- ❑ Knock-out holes for mounting / wiring
- ❑ Swivel-mount accessory interface



### Product Features

- ❑ Wide operating range (-40°C to + 55°C)
- ❑ Remote LED enable (SP-315)
- ❑ Internal operating-parameter supervision
- ❑ Periodic self-test by IR source (SP-315)
- ❑ Failure indication mode
- ❑ Sensitive tamper detection switch
- ❑ Precise sensitivity calibration at factory
- ❑ Look-down detection (except PI versions)
- ❑ Tightly-mated bug guard / optical path
- ❑ Selectable alarm qualification sensitivity

### High False Alarm 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
- ❑ **Four-Stage White Light Protection**
  - White diffusing lens
  - Black absorbing shield
  - Clear bug guard – avoids light concentration
  - Large 4 x 5 mm white light filter window on detector, so elements can be far from filter

### Pet - Immune Feature

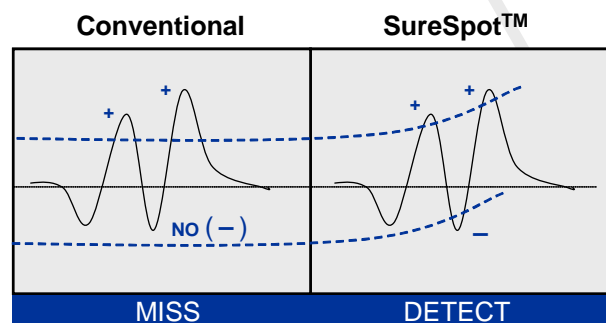
- ❑ **EvenEye™\*\* Pet-Immune Design (SP-212PI)**
  - Micro-element lens
  - Consistent alarm signal threshold

### Curtain Feature

- ❑ **SureTrac™\*\* Constant-Width Curtain (SP-215C)**
  - One width for the entire detection range
  - Full 90° vertical coverage

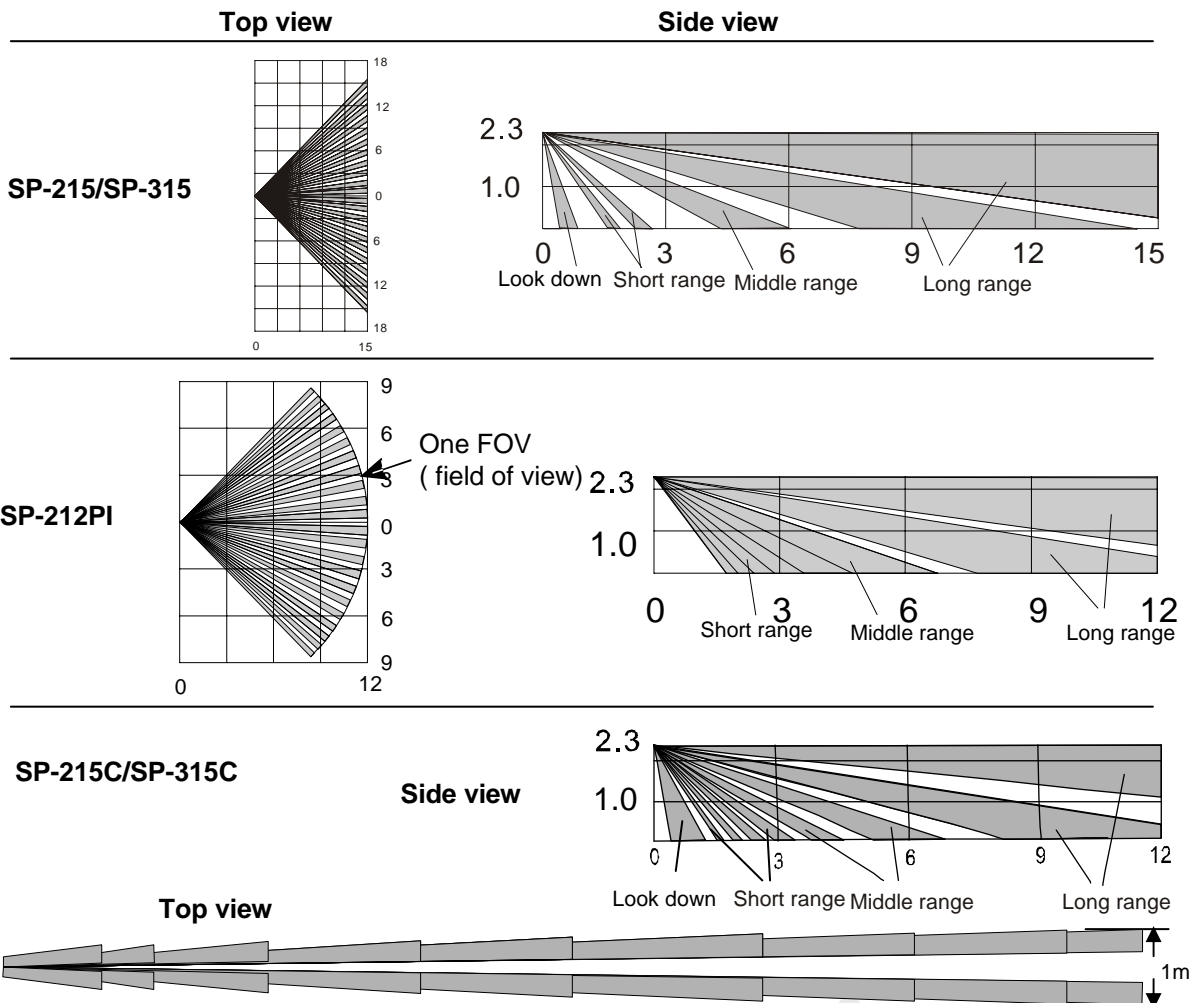
### Reliable Detection

- ❑ **SureSpot™** microcontroller waveform processing is on the watch! Where complex curves and dips of real signals “fool” other sensors’ ASICs and simple processing, **SureSpot™** processing detects intruders!
- ❑ **SummerSense™** Warm-weather DSP
  - Microcontroller-based response profiling
  - More than a simple threshold adjustment
  - Detection at near-human temperatures



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

## Optical View Patterns



## Specifications



Swivel Mount  
MB-100



No  
Aluminum  
Electrolytic  
Capacitors



Range:	15 m (12m) in sensor-facing direction				
Power Supply:	Voltage	Current			
	8 – 16 Vdc	15mA at 12 Vdc			
Alarm Relay:	Solid state Form A (NC) 50 mA 30 V; 1500 Vrms isolation				
Tamper Switch:	Form A (NC) 50 mA @ 30 Vdc				
RF Immunity:	20 V/m 10 – 1000 MHz; 10 V/m 1000-2000 MHz				
Sensitivity:	2-event or 3-event				
Temperature Range	-40°C to +55°C				
Qualifications	EN 50131-2-2 Grade-2				
Housing:	High-impact ABS				
Dimensions:	94 x 50 x 42 mm ( H x W x D )				
Optical fields-of-view Model	Long Range	Mid Range	Short Range	Look-down	
	SP-215/SP-315	44	12	6	4
	SP-212PI	44	36	18	
	SP-215C/SP-315C	4	4	8	2

All specifications are subject to change without notice.