

CL-106PL PYROFLEX™**

SUREN

PIR Motion Sensor

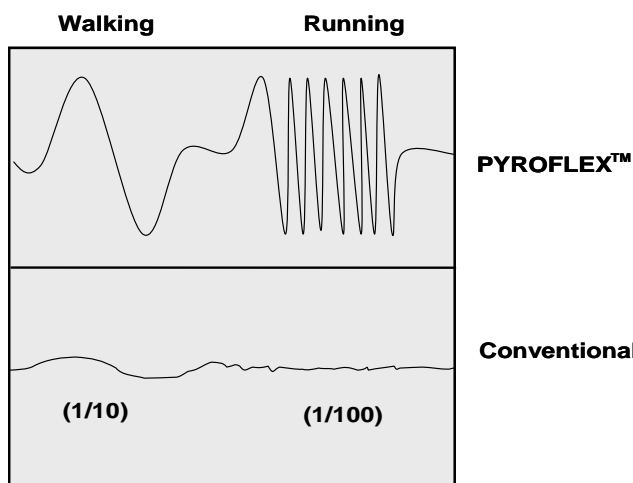
LonWorks™



*Energy-saving
Lighting Control!*

Easy Installation

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



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 Detector Amplifier**
 - 100% surface-mount components
 - No aluminum electrolytic capacitors in amplifier circuitry

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

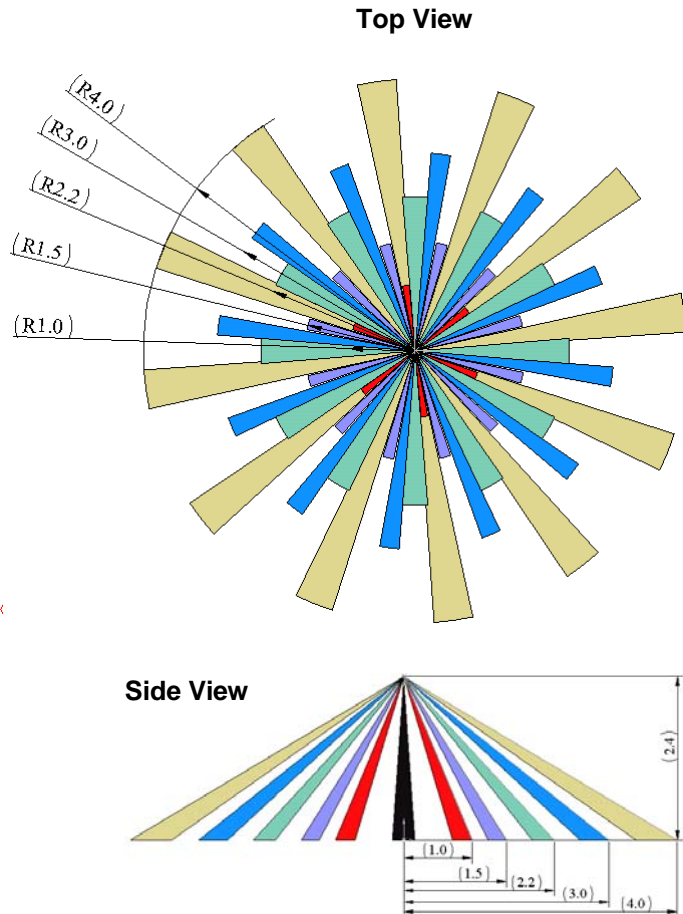
- ❑ **Operation from -30°C to +55°C**

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

Product Features

- ❑ **PYROFLEX™** infrared detector and advanced **HighBar™** detection work together for consistent detection sensitivity throughout the monitored area
- ❑ Auxiliary small-signal relay, controllable via the LON or locally by the sensor
- ❑ Sunset sensor (LON-available) to enable lighting only when ambient light is low
- ❑ Wide operating temperature range (-30°C to +55°C)
- ❑ Power from transformer/coupler remote junction box; can support several sensors on 12Vdc bus
- ❑ Tightly-mated bug guard to protect the sensor optics from insects, spiders and dust
- ❑ Selectable detection sensitivity (standard/verified) for different environmental requirements

Optical View Pattern



Specifications

Detection Range:	6m circle with sensor mounted at 2.4m height.			
Power Supply:	DC Voltage / Current	AC Voltage (transformer/coupler)		
	8-16 Vdc / 20 mA 40-250mA network-active	Standard mains voltages		
LonWorks™	Preset Standard Network Variable for Occupancy Sensor			
Neuron	PL3120			
RF Immunity:	20 V/m 10 – 1000 MHz; 10 V/m 1000-2000 MHz			
Sensitivity:	1-event or 2-event			
Temperature Range:	-30°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.