

## Patented HDIR™ Presence Sensor



*The Key to Lighting  
Comfort and Energy Savings*

CP-308C24 is a motion sensor with SUREN's proprietary 8-element pyros and multi-segment lens array.

Mounted at a height of 2.4m, this sensor provides full circular 8m diameter detection for minor motion, e.g. hand movement of people in that area.

CP-308C24 can be surface mounted or flush mounted for an attractive, un-obstructive appearance.

One or many sensors can be connected with Suren's (or compatible) power packs to control a wide range of load types, including lighting or HVAC devices.

### Infra Red Motion Detection

- 360 degree coverage
- Detection range 8m diameter
- **HDIR™** – High Definition IR
- Proprietary 8-element pyros
- 864 optical view patterns
- Each cluster of 8-segment pattern captures very fine body movement
- Patented technology
- Alternating polarity for stronger signals
- Multi-level segmented lens for better detection

### Smart Features

- **Sunset Sensor** (Photocell) that enables lighting only when ambient light is low
- **Detection Sequence Logic (DSL)** that uses intelligent processing to turn light on when major motion is detected and to keep the light on with only minor motion
- Automatically adapts to different occupancy patterns including normal occupancy and walk-thru modes
- In normal occupancy mode, light is turned off after some delay after the last person leaves the area
- In walk-thru mode, light is turned off shortly after person leaves the area

### Controls

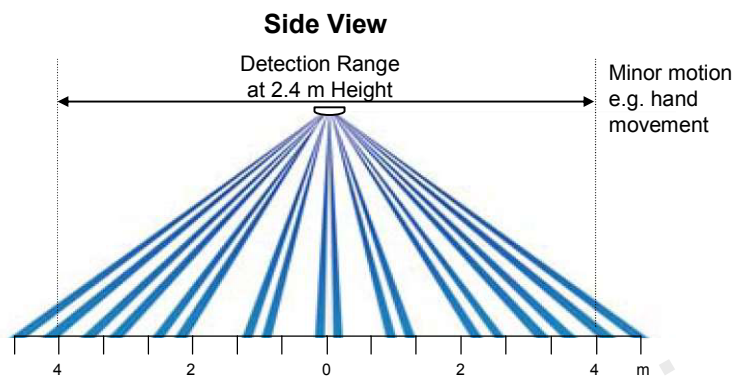
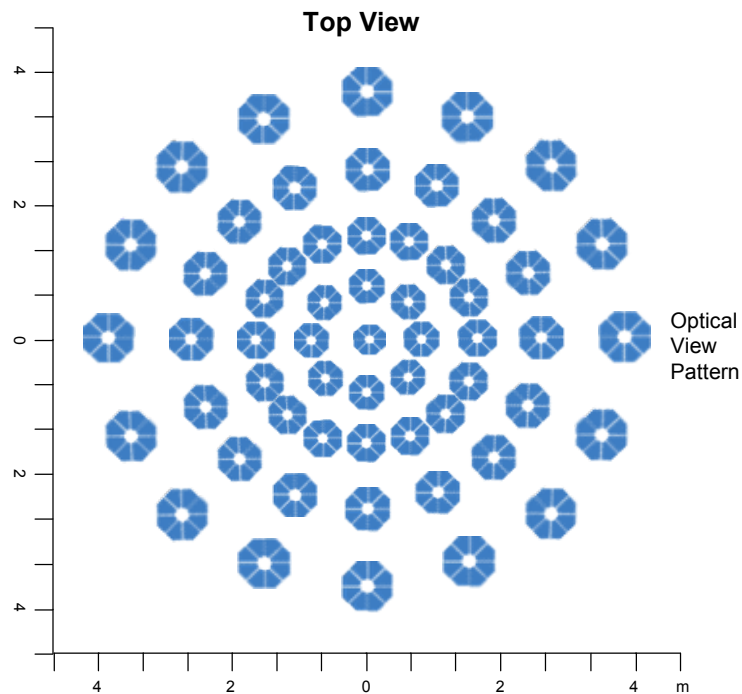
- Delayed-Off timer (30 sec – 30 min)
- Ambient light threshold (20 – 320 Lux)
- Infra red range
- Sunset sensor override
- Normal occupancy / walk-thru mode
- Test mode. Automatic reset to normal operation after 15 minutes
- LED indicators

### Accessories


- Brackets, screws and wall plugs for surface mount in solid ceiling
- Spring clips for flush mount in drop ceiling
- Infra red zone mask

### Power Packs Supported

- SUREN PS-124
- SUREN PS-224



## Specifications

Supply Voltage	24 V DC	Power Consumption	0.22 W	
PIR Detection Range	8 m diameter mounted at 2.4 m height			
Operating Temperature Range	-40° C to 55° C			
Recommended Mounting Height	2.3 m to 4 m			
Housing	High Impact ABS			
Dimension	Overall Height	56 mm	Diameter	110 mm
Approvals	CE 			
Patents	US Patent 7,579,595 (Additional patents pending worldwide)			
Optical View Pattern	Long Range	Mid Range	Short Range	Look Down
	192	384	256	32

All specifications are subject to change without notice.