ECO.NO	ZONE	DETAILS	DESIGN	DATE
		更改负载参数和增加红外视区遮挡片		2019-2-23
S19004		删除“Printed in China”		2019-4-19

Notes:

1. Material: 80g printing paper, white.size 290*210MM.
2. Printing: Black
3. Pack and tie a label with part number 0-ML00-0071-01-1.

DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED

>0.0AND≤5	+/-0.055mm
>5AND≤10	+/-0.060mm
>10AND≤25	+/-0.075mm
>25AND≤50	+/-0.100mm
>50AND≤100	+/-0.150mm
>100AND≤150	+/-0.200mm
>150	+/-0.250mm
Angular	+/-0.25°

青嵘科技有限公司
A&R Technologies Ltd.

CLIENT			PART NAME		英文版说明书		
MOULD NO	CP-1308		PART NO		0-ML00-0071-01-1		
MATERIAL		REV	6	DESIGN	范绮玲	DATE	2019-5-13
SIZE	/	SCALE	/	CHECK		DATE	
SHEET		UNIT	mm	APPROVAL		DATE	

CP-1308

Operation and Specification

SUREN

Patented HDIR™ Presence Sensor

CP-1308 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-1308 can be surface mounted or flush mounted for an attractive, un-obstructive appearance. The sensor is fitted with a high-capacity relay that is capable of driving a wide range of load types, including lighting or HVAC devices.

Operation

Initialization:

The sensor becomes operational 30 seconds after power is supplied.

Detection and Activation:

When a person enters a room, the sensor detects major body motion and turns the light on. The light is kept on even as minor motion, e.g. hand movement is detected. The sensor's **Detection Sequence Logic** (DSL) minimizes false triggering by adjusting detection sensitivity based upon sequence of presence events. The **Sunset Sensor** provides additional control such that lighting is not activated when there is sufficient brightness in the area.

De-Activation (Normal Occupancy Mode):

When motion is no longer detected, the sensor turns the light off after a set time delay (Delayed-Off Time).

WALK THROUGH(CORRIDOR) MODE: Toggle dip switch A4=OFF,the walk-through feature is useful when the area is momentarily occupied, e.g. hallway. With this feature a delay-off time of 15 seconds is set for this mode, if motion is still detected in the detection zone shortly before time off, another 15 seconds time delay will be extended. Further motion will set or revert the timer to the preset delay-off time after the last person leaves the area.

Caution: This product must be installed by a qualified electrician. The casing and internal components of the device should not be removed or modified. Exposure of internal components and wiring may cause electric shock and result in death.

Installation

Accessories:

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

Location:

- Determine the number of sensors required to cover the floor area
- Install the sensor near work area where walk-path cuts across radial lines, not towards the sensor
- Do not install the sensor near ventilation outlet

Procedure:

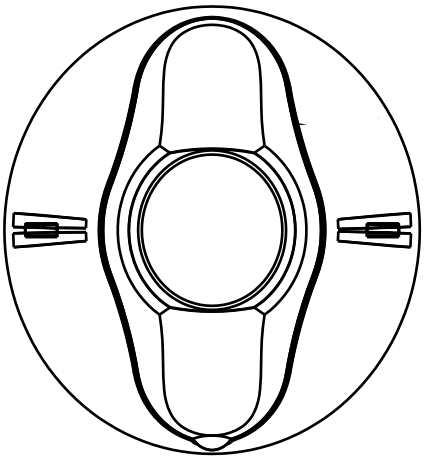
- Prepare sensor mount. See illustration in the next page
- Connect the sensor as shown in the wiring diagram. Make sure power supply is turned off
- Make sure there are no wiring exposed before mounting the sensor
- Mount the sensor and turn on the power supply
- Open the cover, review settings and change if necessary. See Settings section
- Initiate test mode, replace the cover and conduct walk-test

Walk-Test:

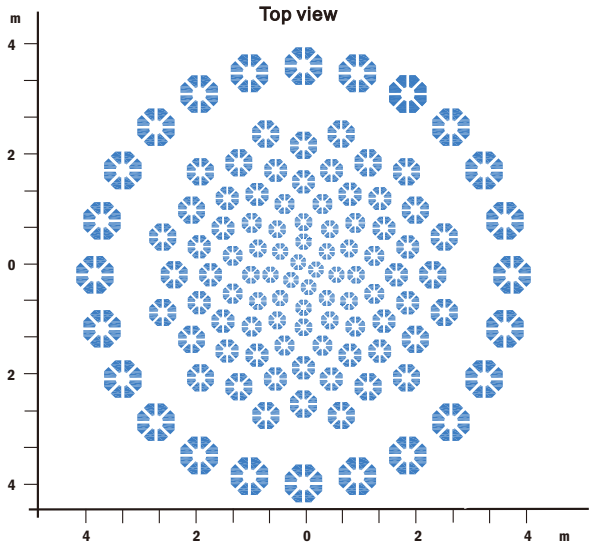
- Toggle dip switch B3 (Off-On-Off) to enter test mode. If B3 is already in the On position, moving it to the Off position will also activate test mode
- Amber LED will flash once every 3 second when the sensor is in test mode
- During this time, the sensor will turn the light off after 5 seconds if there are no movement
- Test movement at entry point, walk path and presence area
- Sensor will exit test mode after 15 minutes

LED Indicator:

- LED indicator can be enabled or disabled by dip switch B2
- Recommended for use during walk-test and troubleshooting
- Red LED indicates motion detected by infrared sensor

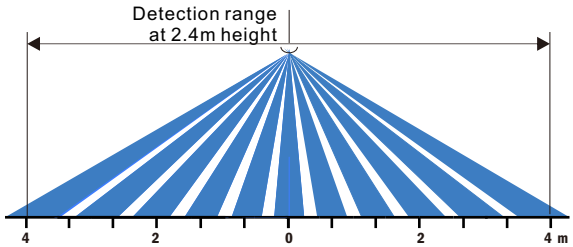


Detection Area:



PIR Optical View Pattern

Side view



Specification

Power Supply:
85 - 277 V AC

Power Consumption:
1.87 W

Maximum Load:
5A:LED,Incandescent

PIR Sensor:
Pyroelectric, 8-element

Housing Material:
High-impact ABS

Dimension:
110mm Diameter x 56 mm Height

Operating Temperature Range:
-10° to 55° C

RF Immunity:
20 V/m 10-1000 Mhz; 10 V/m 1-2 GHz

Approvals:
CE

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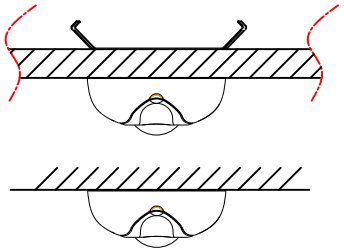
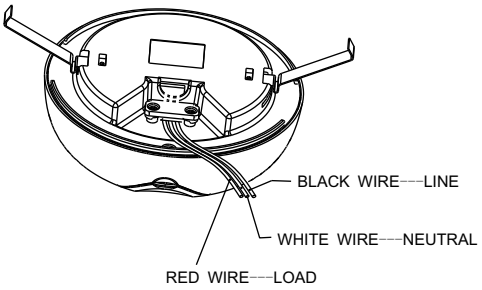
Sensor Mounting Choices

The sensor may be mounted either in a drop-ceiling panel, or on a solid ceiling. In a drop-ceiling panel, two metal springs serve to retain the sensor in the panel. On a solid ceiling, the sensor is mounted on a base ring (supplied with the sensor).The base ring is fastened to the ceiling by means of two screws.



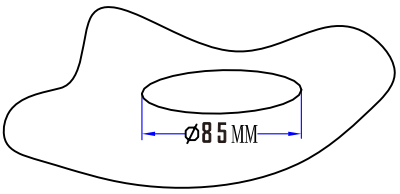
Drop-Ceiling Mounting: Base Preparation

Install the two retaining springs as shown.



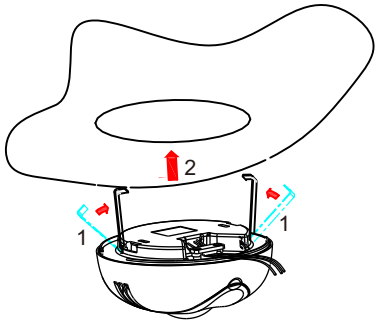
Drop-Ceiling Mounting: Panel Preparation

Use a hole saw to cut a 85 mm circular hole in the drop-ceiling panel at the desired location.



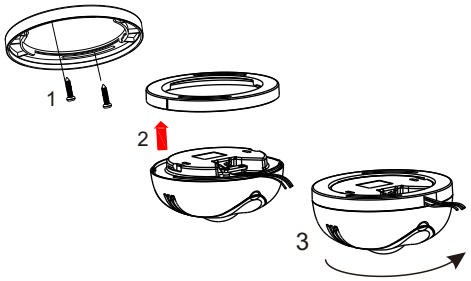
Drop-Ceiling Mounting: Sensor Installation

Press the retaining springs together, then push the springs and the sensor base through the hole until the sensor rim is seated against the panel.



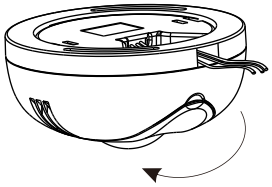
Solid-ceiling Mounting

1. Use the two screws (supplied with the sensor) to fasten the base ring to the ceiling
2. Align the grooves of the sensor with the tongues of the base ring
3. Turn clockwise to lock the sensor into position



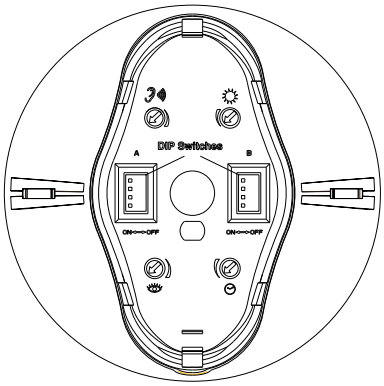
Sensor Opening

Slide a fingertip under the tab at one end of the cover. Pull gently to remove the cover.



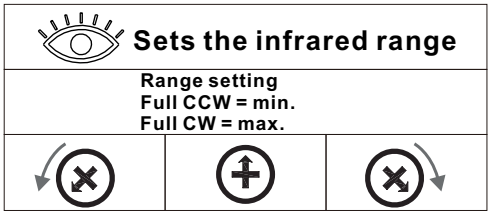
Operation Control Console

All aspects of sensor operation can be adjusted here.



Infrared Adjustment

For maximum range and sensitivity, set fully clockwise (CW). If reduced range and sensitivity are required, then turn counter-clockwise (CCW) and test.

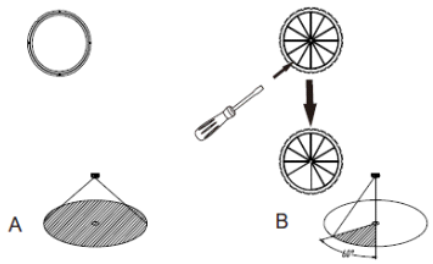


Dip Switch Settings

Dip Switch	Function	Settings	
		Off	On
	Bank A		
A1	Not Used		
A2	Not Used		
A3	Not Used		
A4	Walk-Thru/Normal	Walk-Thru Enabled	Normal Occupancy
	Bank B		
B1	Sunset Sensor	Enabled	Disabled
B2	LED Indicator	Enabled	Disabled
B3	Test Mode	Off-On-Off / On-Off	
B4	Not Used		

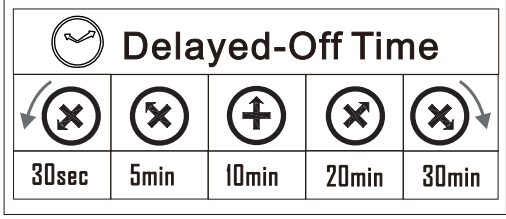
Usage of len shield

Len shield is supplied to allow elimination of coverage in unwanted areas.
A: Full viewing-area Ex-factory
B: Len shield includes 12 small sector units and each small unit can cover 30 ° detection area.



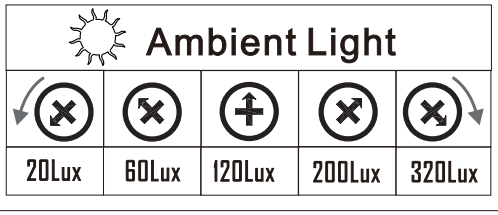
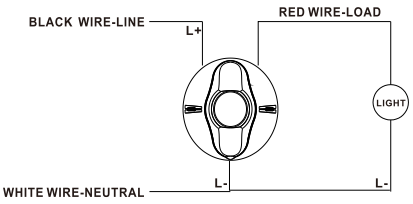
Delayed-Off Time Adjustment

The sensor turns light off if motion is not detected within the Delayed-Off Time interval. For less disruption, adjust clockwise (CW). For better energy savings, adjust counter-clockwise (CCW).



Sunset Sensor Adjustment

The sunset sensor saves energy by not switching the light on when there is sufficient daylight in the room. It can be enabled or disabled by the dip switch B1. When the sunset sensor is enabled, the sensor goes into stand-by mode when the natural light level exceeds the selected Lux level inhibiting the light from turning on. To set the Lux level, draw curtains or shades until the room is at the darkness that light should be turned on. Adjust the Lux level from low to high until lighting is activated. Note that the sunset sensor is disabled when the occupancy sensor is in test mode.



Wiring Diagram