

SPECIFICATION SHEET

SUBJECT

MICROWAVE MOTION SENSOR

CUSTOMER PROJECT

Project: _____
 Type: _____
 Cat. No.: _____
 Qty: _____
 Date: _____
 EEL Rep: _____



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SPECIFICATION FEATURES

Functionality

- On/off and step dimming (1-10V)
- Motion and day light detection

Compatibility

- CHB
- CHBU (CHBU-SMARM sensor mounting arm required)

Accessories

- Optional Remote Control (sold separately)
- Waterproof J-box and wiring accessories are included
- Need a Sensor Mounting Arm (sold separately) when installing with CHBU

Finish

- White

Compliance

- IP65
- cULus

Warranty

- 3 years

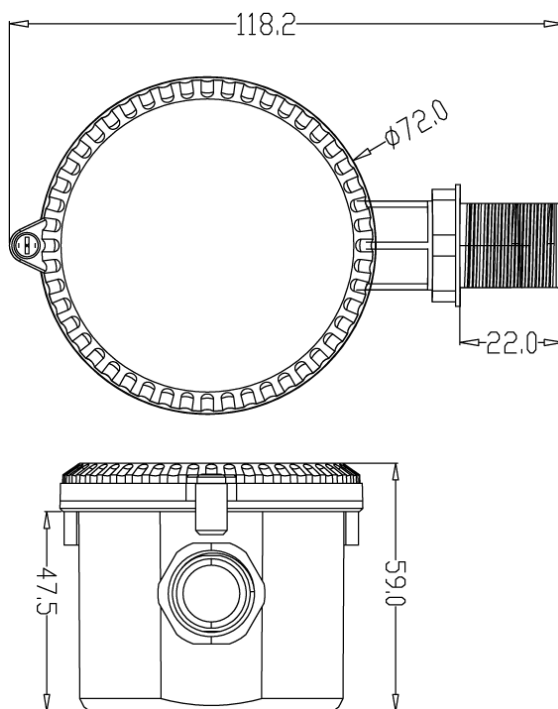


**SMR4032
MICROWAVE
MOTION SENSOR**

ACCESSORIES

Microwave Motion Sensor

Voltage	120-277V
Detection Angle	360°
Max Mounting Height	19-49 ft (6-15m)
Load	400W @ 120V AC 800W @ 220-277V AC (Inductive) 800W @ 120V AC 1200W @ 220-277 V AC (Resistive)
Adjustable Hold Time	5 sec to 30 mins
Operating Temperature	-25°C to 55°C
Dimming	10%/20%/30%/50%



ORDERING CODE, ENERGY AND PERFORMANCE DATA

Model No.	Voltage (V)	Load
SMR4032	120-277	Inductive Load: 400W @ 120V AC 800W @ 220-277 V AC Resistive Load: 800W @ 120V AC 1200W @ 220-277V VAC

Cannot be sold separately

Please allow for tolerance on specifications and dimensions.
 If required, please consult EEL.

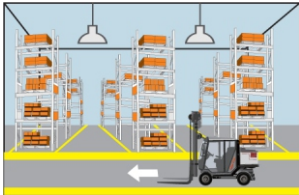


www.eelighting.ca

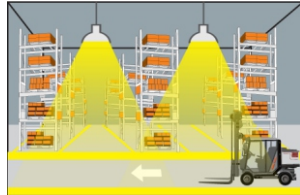
R200507-1100

3-step dimming function

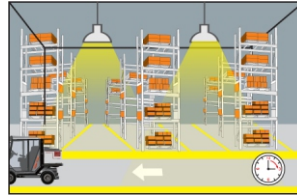
When used in combination with 1-10V dimmable LED drivers and ballasts, the sensors can achieve 3-step dimming function, 100%---> low light--->off. And the sensors build in adjustable daylight sensors, very easy to install and cost-effective



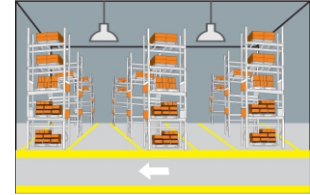
With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.

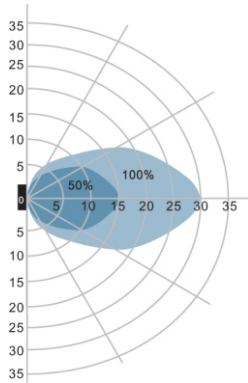


After hold time, the sensor dims the lamp at a low light level if no new motion trigger.

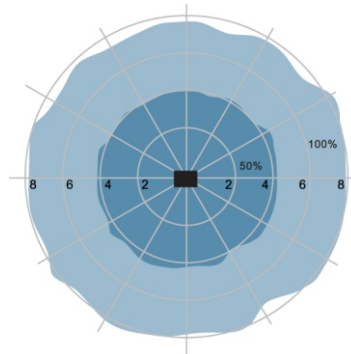


After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

Detection Pattern

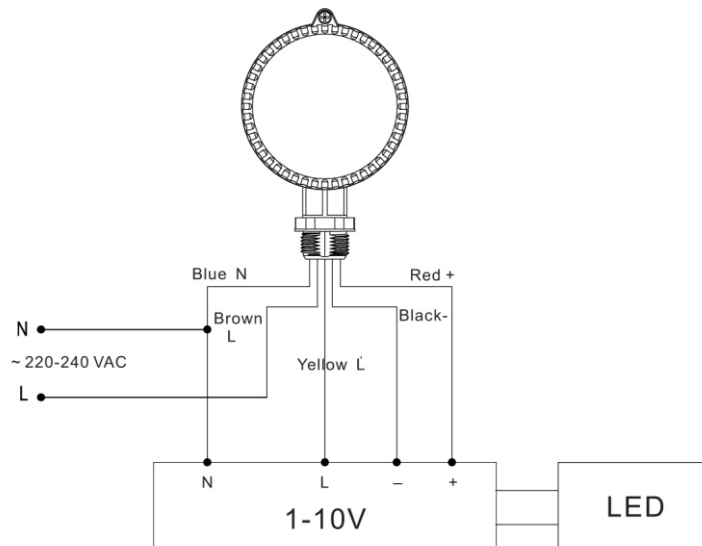


Wall Mounting Pattern (Unit: m)



Ceiling Mounting Pattern (Unit: m)

Wiring Diagram



Settings

1 Detection Area

Can be reduced by selecting the combination on the DIP switches to fit precisely to each application.

ON ↑ 		1	
	I	ON	100%
	II	-	50%

2 Hold-time

Refers to the time period that the lamp remains at 100% illumination after no motion detected.

ON ↑ 		2	3	4	
	I	ON	ON	ON	5S
	II	-	ON	ON	30S
	III	ON	-	ON	1min
	IV	-	-	ON	3min
	V	ON	ON	-	20min
	VI	-	-	-	30min

3 Stand-by Period

Refers to the time period that the lamp remains at a low light level before it completely switches off in the long absence of people. When set to "+00" mode, the low light is maintained until motion is detected.

ON ↑ 		1	2	3	
	I	ON	ON	ON	0S
	II	-	ON	ON	1min
	III	ON	-	ON	3min
	IV	-	-	ON	10min
	V	ON	ON	-	30min
	VI	-	-	-	+∞

4 Daylight Sensor

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level. Note that daylight sensor is active only when lamp totally switches off.

ON ↑ 		6	7	8	9	
	I	ON	ON	ON	ON	5Lux
	II	-	ON	ON	ON	15Lux
	III	ON	-	ON	ON	30Lux
	IV	-	-	ON	ON	50Lux
	V	ON	ON	-	ON	100Lux
	VI	ON	ON	ON	-	150Lux
	VII	-	-	-	-	Disable

5 Stand-by Dim Level

The low light level you would like to have after the hold time in the long absence of people.

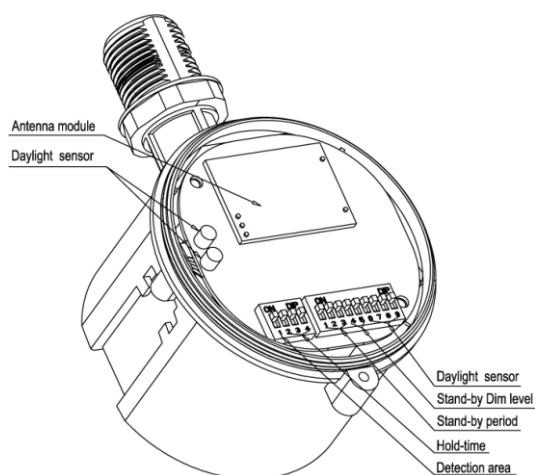
ON ↑ 		4	5	
	I	ON	ON	10%
	II	ON	-	20%
	III	-	ON	30%
	IV	-	-	50%





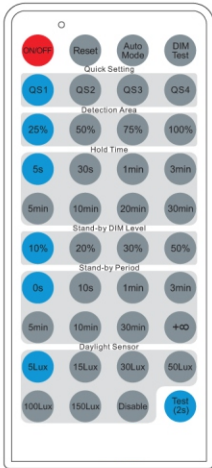
Technical Data

Operating voltage	120~277Vac, 50/60Hz
Rated load	400W@120vAC, 800W@220~277Vac (Inductive) 800W@120Vac, 1200W@220~277Vac (Resistive)
Power consumption	< 1W
HF system	5.8GHz $\pm$ 75MHz, ISM wave band
Transmitting power	< 0.5mW
Detection area	5-8m(@mounting height 6m)
Detection sensitivity	25%/50%/75%/100%
Hold time	5s/30s/1min/3min/5min/10min/20min/30min
Daylight sensor	5lux/15lux/30lux/50lux/100lux/150lux/disable
Stand-by period	0s/10s/1min/3min/5min/10min/30min/+ ∞
Stand-by DIM level	10%/20%/30%/50%
Mounting height	6-15m
Motion detection	0.5~3m/s
Detection angle	150 °(wall installation) 360 °(ceiling installation)
Operating temperature	-25°C~ 55°C
IP rating	IP65



Remote Control Settings

Button	Function	Remarks																														
	constant ON/OFF	Press the “ON/OFF” button, the light goes to constant on or constant off mode, sensor is disabled. Press “ Reset ” or “ Auto Mode” button to quit from this mode																														
	Reset	Press “Reset”button, all parameters can be set via DIP switch.																														
	Sensor Mode	Press “Auto Mode”button, the sensor starts to work and all parameter setting will be remained the same as the previous status before the light was switched on/off.																														
	Dim test	Press “DIM Test” button, the 1-10Vdc dimming interface will be dimming automatically according to the dimming level you want ,after 2s, the parameters of the sensor will be returned to the latest settings.																														
	Test Mode	The button “Test(2s)”is for testing purpose only. The sensor will go to test mode: Detection sensitivity: 100% Hold time: 2sec Stand-by period:0s Daylight sensor: Disable *This mode can be quit by pressing “reset”or any button on the remote control. The sensor setting is changed accordingly.																														
	Scene Mode	<table><tr><th>Scene options</th><th>Detection Area</th><th>Hold Time</th><th>Stand-by period</th><th>Stand-by dim level</th><th>Daylight Sensor</th></tr><tr><td>QS1</td><td>100%</td><td>30s</td><td>1min</td><td>10%</td><td>5Lux</td></tr><tr><td>QS2</td><td>100%</td><td>1min</td><td>3min</td><td>10%</td><td>10Lux</td></tr><tr><td>QS3</td><td>100%</td><td>5min</td><td>10min</td><td>10%</td><td>30Lux</td></tr><tr><td>QS4</td><td>100%</td><td>10min</td><td>30min</td><td>10%</td><td>Disable</td></tr></table>	Scene options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	QS1	100%	30s	1min	10%	5Lux	QS2	100%	1min	3min	10%	10Lux	QS3	100%	5min	10min	10%	30Lux	QS4	100%	10min	30min	10%	Disable
Scene options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor																											
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Note: Detection area/ hold time/ stand-by period/ stand-by dim level/ daylight sensor can be adjust by pressing corresponding button. The latest setting stays in validity.

