

SPECIFICATION SHEET

SUBJECT

MICROWAVE MOTION SENSOR

CUSTOMER PROJECT

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

EELighting

solutions closer to nature

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SPECIFICATION FEATURES

Functionality

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

Compatibility

- VT24
- Ordinary VT
- VTHB

Finish

- White

Compliance

- IP20
- cULus

Warranty

- 5 years



**SMR3052INT
MICROWAVE
MOTION SENSOR**

ACCESSORIES

Microwave Motion Sensor

Voltage 120/277/347V

Detection Angle 360°

Max Mounting Height 49 ft (15m)

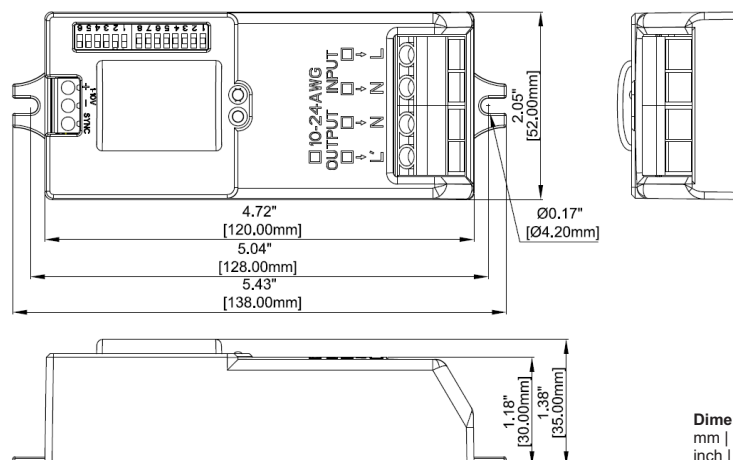
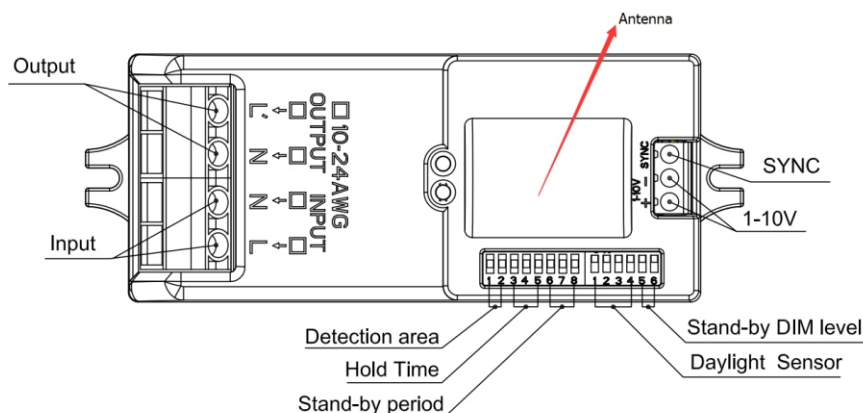
Max Detection Range Radius 26-37 ft (8-12m)
(ceiling mounting 6 ft (3m))

Load Capacitive load: 800W @ 347V AC / 1200W @ 347V AC
Resistive load: 1200W @ 347V AC / 1600W @ 480V AC

Adjustable Hold Time 5 sec to 20 mins+

Operating Temperature -35°C to 70°C

Dimming 10%/20%/30%/50%



Dimension
mm | 102(L) x 45(W) x 25.5(D)
inch | 4(L) x 1.8(W) x 1(D)

ORDERING CODE, ENERGY AND PERFORMANCE DATA

Model No.	Voltage (V)	Load	Certification
SMR3052INT	120/277/347	Capacitive Load: 800W @ 347V AC 1200W @ 347 V AC Resistive Load: 1200W @ 347V AC 1600W @ 480V VAC	

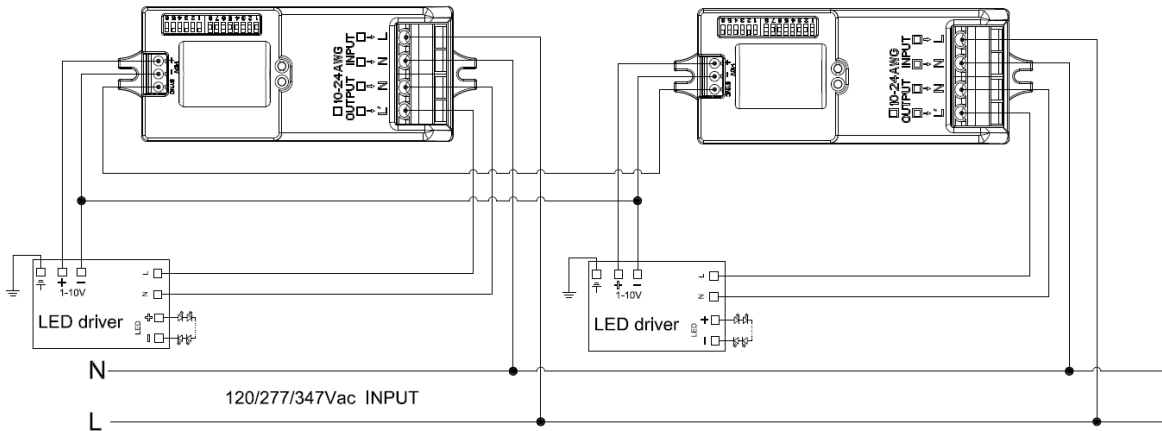
Cannot be sold separately

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

www.eelighting.ca

R200507-1130

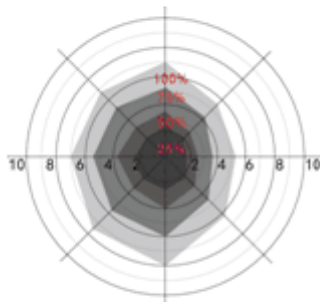
Wiring Diagram



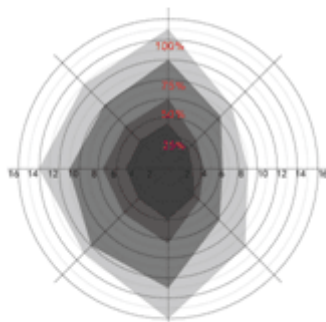
Detection Pattern

Ceiling mounting

Ceiling mounted height : 3m
Sensitivity : 100%/75%50%/25%

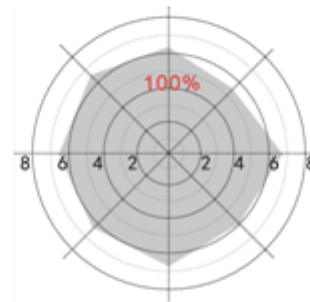


Normal moving (Speed:1m/s)

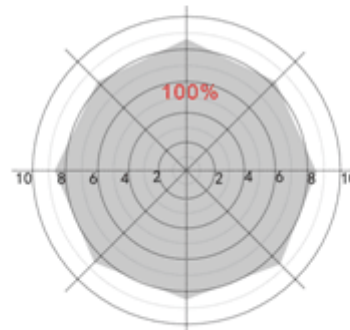


Slow moving (Speed 0.3m/s)

Ceiling mounted height : 12m
Sensitivity : 100%



Normal moving (Speed:1m/s)



Slow moving (Speed 0.3m/s)

1 ON/OFF function



With sufficient ambient light, the light will not be switched on.



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

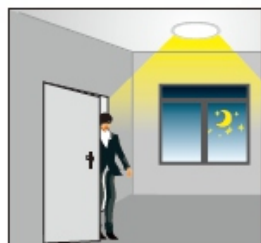


After elapse of hold time, the sensor dims the light at a low light level if no new motion is detected.

2 3-step dimming function



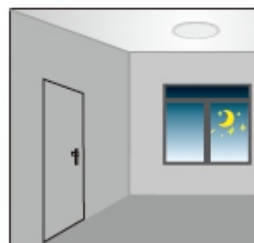
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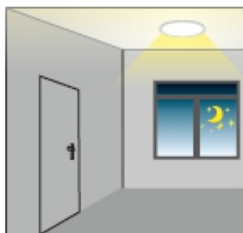


After elapse of hold time, the sensor dims the light at a low light level if no new motion is detected.

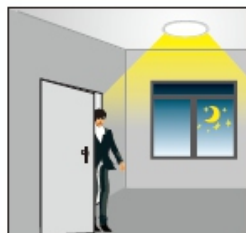


After elapse of stand-by period, the sensor switches off the light if no motion is detected in the detention zone.

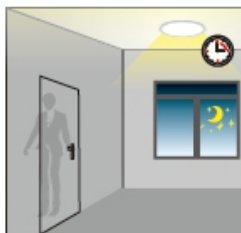
3 2-step dimming function



If there is no motion detected, the light will remain at a low light level all the time.



When motion is detected, the sensor will switch on the light to 1000% brightness.



After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected.



Settings

1 Sensitivity

	1	2
100%	ON	ON
75%	ON	-
50%	-	ON
25%	-	-

2 Hold-time

	3	4	5
5s	ON	ON	ON
30s	-	ON	ON
90s	ON	-	ON
3min	-	-	ON
20min	ON	ON	-
+∞	-	-	-

3 Stand-by Period

	6	7	8
0s	ON	ON	ON
5s	-	ON	ON
5min	ON	-	ON
10min	-	-	ON
30min	ON	ON	-
1h	-	ON	-
+∞	-	-	-

4 Daylight Sensor

	1	2	3	4
2Lux	ON	ON	ON	ON
5Lux	-	-	-	ON
10Lux	-	ON	ON	-
25lux	-	-	ON	-
50lux	-	ON	-	-
100lux	ON	-	-	-
Disable	-	-	-	-

5 Stand-by Dim Level

	5	6
50%	ON	ON
30%	ON	-
20%	-	ON
10%	-	-

Technical Data

Input	Voltage Range	108-382Vac 50Hz/60Hz
	Rated Input Voltage	120/277/347Vac 50Hz/60Hz
	Stand-by Power	<1.0W
	Wiring Method	Lifting screw type terminal 10-24AWG
Output	Operating Mode	ON/OFF 1 -10V Dimming
	Load Power	3A@120VAC ; 3A@277VAC ; 3A@347VAC
	1-10V Dimming	Yes
	Wiring Method	Lifting screw type terminal 10-24AWG
Sensor Parameters	HF Operating Frequency	5.8 GHz $\pm$ 75 MHz
	HF Radiated Power	0.5mW Max.
	Sensitivity	25%/50%/75%/100%
	Hold time	5S/30S/90S/3min/20min/+ ∞
	Stand-by Period	0S/5S/5min/10min/30min/1H/+ ∞
	Daylight Sensor	2Lux/5Lux/10Lux/25Lux/50lux/100Lux/Disable
	Stand-by Dim Level	10% /20% / 30% / 50%
	Detection Area	Radius 8-12m (Ceiling mounting 3m)
	Mounting Height	3-15m (Max.15m)
	Detection Angel	150° (Wall mounting) , 360° (Ceiling mounting)
Interface Parameters	1-10V Dimming	1-10V 0.5mA@Max.
	Synchronous Control Interface	0-5V 0.5mA@Max.
Operating Environment	Operating Temperature	-35℃~70℃ H umidity: 85% (Non-condensing)
	Storage Temperature	-40℃~80℃ H umidity: 85% (Non-condensing)
Others	Certificate Requirement	UL
	IP Rating	IP20
	Installation Requirement	Built-in
	Case Size	Inch:5.43*2.05*1.38 (mm : 138*52*35)
	Installation Size	Inch:5.04 (mm : 128)
	Packaging Requirement	Bubble bag + Clapboard +Outer Carton (K=A)
	Weight	125.8g
	Life	50000Hr