

SPECIFICATION SHEET

SUBJECT

MICROWAVE MOTION SENSOR

CUSTOMER PROJECT

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



**SMR5052
MICROWAVE
MOTION SENSOR**

ACCESSORIES

Microwave Motion Sensor

Voltage	120/277/347V
Detection Angle	360°
Max Mounting Height	49 ft (15m)
Load	800W inductive 1200W Resistive @ 347V AC 1200W inductive 1600W Resistive @ 480V AC
Adjustable Hold Time	5 sec to 30 mins
Operating Temperature	-35°C to 55°C
Dimming	10%/20%/30%/50%

Cannot be sold separately

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



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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

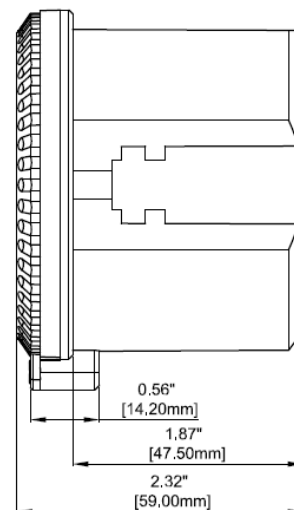
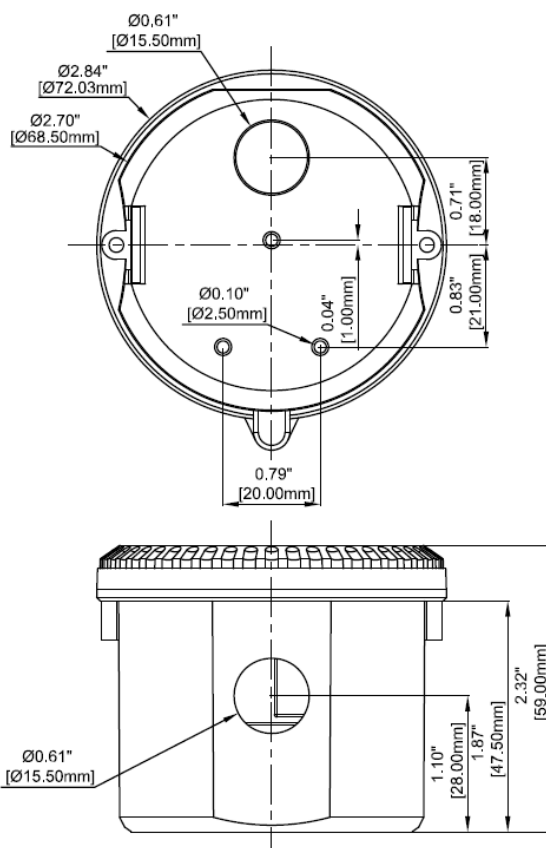
- White

Compliance

- IP65
- cULus

Warranty

- 3 years



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
SMR5052	120/277/347	Capacitive Load: 800W @ 347V AC 1200W @ 347 V AC Resistive Load: 1200W @ 347V AC 1600W @ 480V VAC	cULus



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R200507-1100

1 3-step dimming 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.

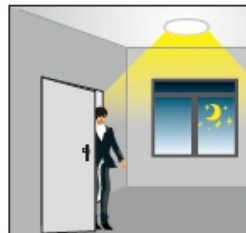


After elapse of stand-by period, the sensor switches off the light if no motion is detected in the detention zone.

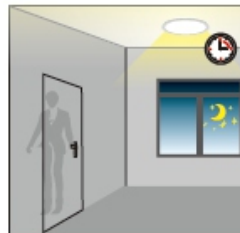
2 2-step dimming function



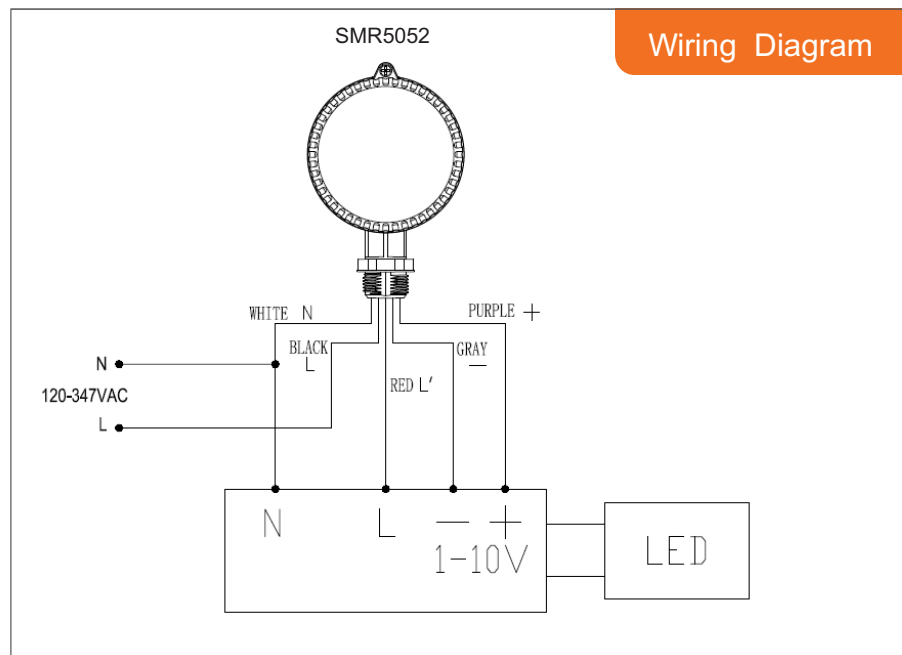
If there is no motion detected, the light will remain at a low light level all the time.



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 Detection area

	1
100%	ON
50%	-

2 Hold-time

	2	3	4
5s	ON	ON	ON
30s	-	ON	ON
90s	ON	-	ON
3min	-	-	ON
20min	ON	ON	-
30min	-	-	-

3 Stand-Light Period

	1	2	3
5s	-	-	-
5min	ON	ON	-
10min	-	-	ON
30min	ON	-	ON
1h	-	ON	ON
+∞	ON	ON	ON

4 Stand-by Dim level

Brightness %	Constant Voltage Output	4	5
5-10%	$1.5 \pm 0.2V$	ON	ON
15-20%	$2V \pm 0.2V$	ON	-
25-30%	$3V \pm 0.2V$	-	ON
45-50%	$5V \pm 0.2V$	-	-

5 Daylight Sensor

	6	7	8	9
5Lux	ON	ON	ON	ON
15Lux	-	ON	ON	ON
30Lux	ON	-	ON	ON
50lux	-	-	ON	ON
100lux	ON	ON	-	ON
150lux	ON	ON	ON	-
Disable	-	-	-	-



Technical Data

Input	Rated Input Voltage	120/277/347Vac
	Stand-by Power	≤1.0W
	Wiring Method	Wiring connection Wire diameter:18AWG
Output	Operating Mode	ON/OFF 1 -10V
	Load Power	800W Inductive 1200W Resistive @347VAC 1200W Inductive 1600W Resistive @480VAC
	1-10V Dimming	< 50mA (Non constant current source)
	Wiring Method	Wiring connection Wire diameter:18AWG
Sensor Parameters	HF Operating frequency	5.8 GHz ± 75 MHz, ISM wave band
	HF Radiated power	0.5mW Max.
	Detection Area	100%/50% (Remote control: 100%/50%)
	Hold time	5S/30S/1min/3min/20min/30min (Remote control: 5S/30S/1min/3min/5min/10min/20min/30min)
	Stand-by Level	0s/1min/3min/10min/30min/Disable (Remote control: 0s/10S/1min/3min/5min/10min/30min/Disable)
	Daylight Sensor	5lux/15Lux/30Lux/50Lux/100lux/150lux/Disable (Remote control:
		5lux/15Lux/30Lux/50Lux/100lux/150lux/Disable)
	Stand-by Dim Level	10%/20%/30%/50% (Remote control: 10%/20%/30%/50%)
	Mounting Height	Max. Mounting height: 15m Max.
	Detection Angel	150° (wall mounting) , 360° (ceiling mounting)
Operating Environment	Operating temperature	-35℃~+55℃
	Storage temperature	-40℃~+80℃
Safety & EMC	Isolation pressurization	N/A
	EMC	N/A
Others	Certificate requirement	UL
	IP rating	IP65
	Protection Class	N/A
	Installation requirement	Independent Installation
	Installation size	φ72*59mm
	Packaging requirement	Bubble bag + Clapboard +Outer Carton (K=A)
	Life	50000h