

Specification for Microwave Motion Sensor MC609V RC



- Rated input voltage 120/277/347Vac
- Large detection zone, IP65
- 15m Max. Mounting height
- Stand-by Power: $\leq 1.0W$
- On/ off, 3-step dimming function
- North American version for linear & batten and high bay & low bay.
- Functions such as detection area, hold time, stand-by level, stand-by dim level etc can be set via DIP or infrared remote control MH01.
- 5 Years Guarantee

1. Parameters

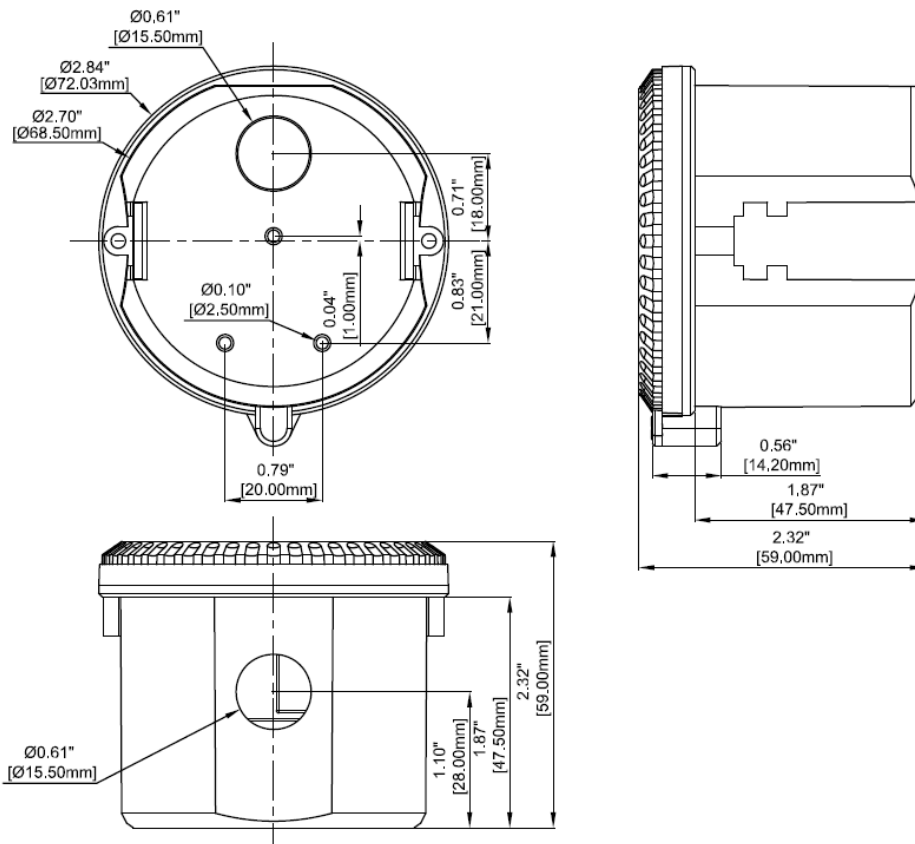
Input	Rated Input Voltage	120/277/347Vac
	Stand-by Power	$\leq 1.0W$
	Wiring Method	Wiring connection Wire diameter:18AWG
Output	Operating Mode	ON/OFF 1-10V
	Load Power	3.6A 120VAC Fluorescent/LED
		3.4A 277VAC Fluorescent/LED
		3.3A 347VAC Fluorescent/LED
1-10V Dimming	< 50mA (Non constant current source)	
Wiring Method	Wiring connection Wire diameter:18AWG	
Sensor Parameters	HF Operating frequency	5.8 GHz \pm 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)

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	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

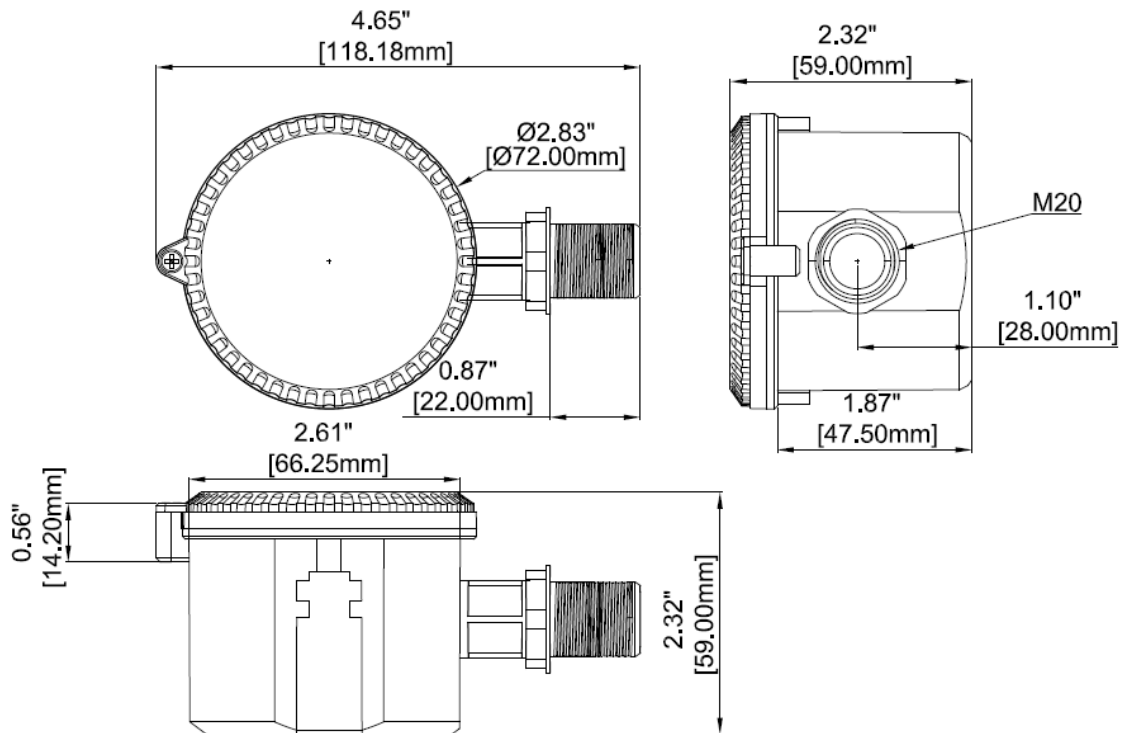
2. Dimension (Unit: mm)



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MC609V RC A/B/C

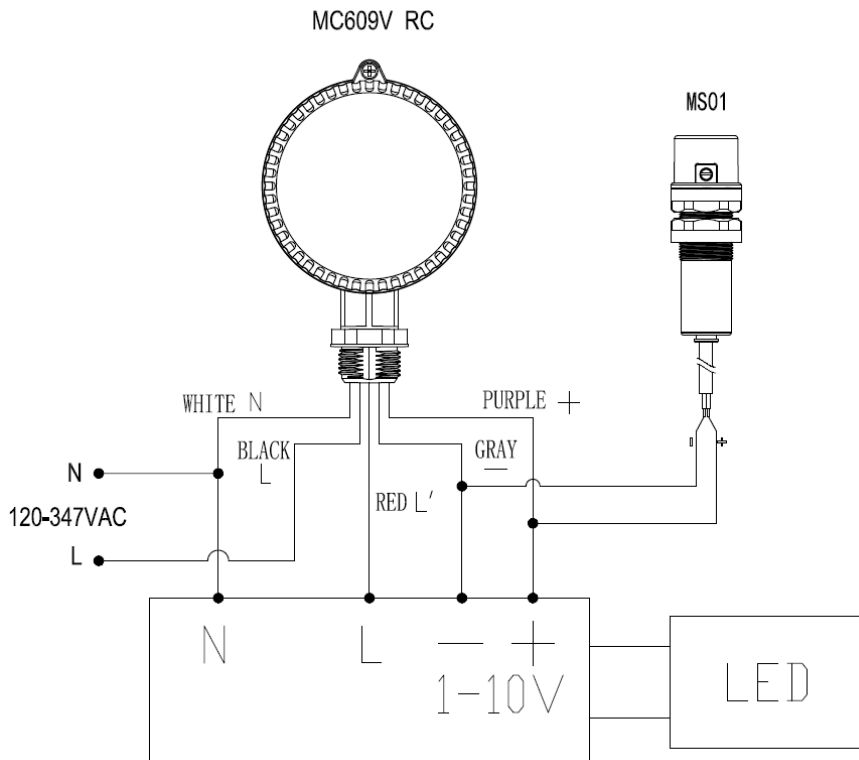
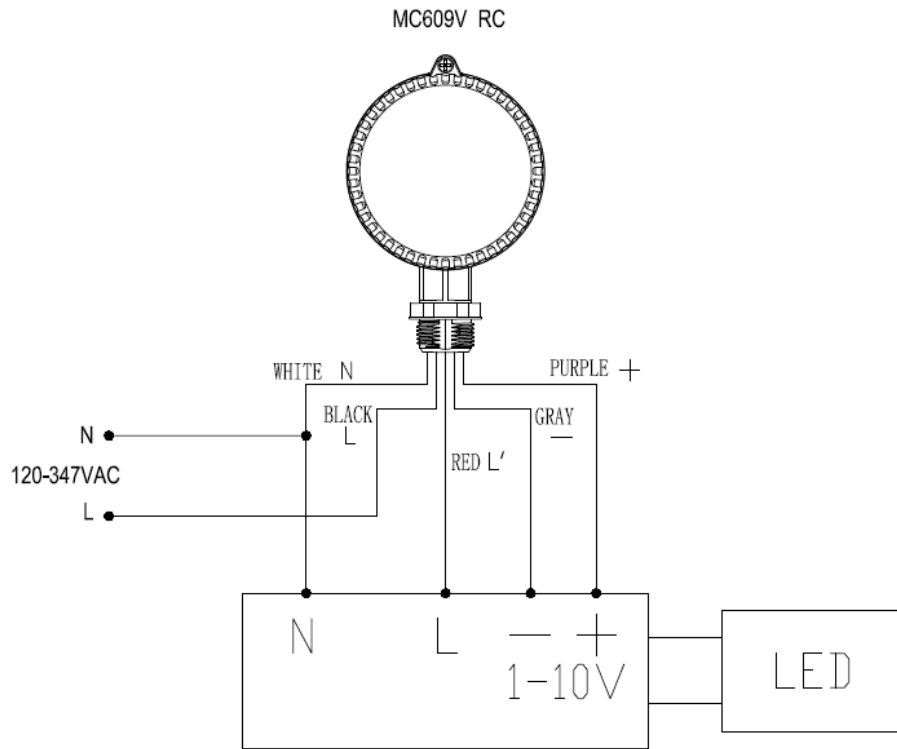


MC609V RC D

3. Wiring Diagram

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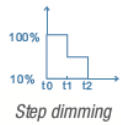
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4. Function

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3-step dimming function



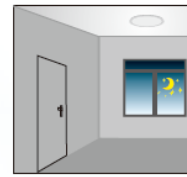
1 With sufficient ambient light, the light will not be switched on.



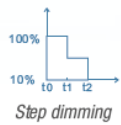
2 With insufficient ambient light, the sensor switches on the light when motion is detected.



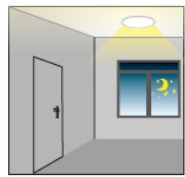
3 After elapse of hold time, the sensor dims the light at a low light level if no new motion is detected.



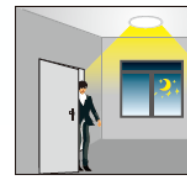
4 After elapse of stand-by period, the sensor switches off the light if no motion is detected in the detection zone.



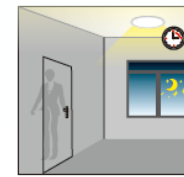
2-step dimming function



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



2 When motion is detected, the sensor will switch on the light to 100% brightness.



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

5. Settings

- Detection Area

	1
100%	ON
50%	-

- Hold time

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

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30min	-	-	-
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• Stand-by Period

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

• Stand-by Dim Level

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

• Daylight Sensor

	6	7	8	9
5Lux	ON	ON	ON	ON
15Lux	-	ON	ON	ON
30Lux	ON	-	ON	ON

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50lux	-	-	ON	ON
100lux	ON	ON	-	ON
150lux	ON	ON	ON	-
Disable	-	-	-	-

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