

MODEL OD-MC609V RC D



WARNING

WARNING — THE INSTALLATION MUST BE CARRIED OUT BY A QUALIFIED ELECTRICIAN.

1. Please keep the LED Panel / High Bay / Vapour Tight Sensor away from any corrosive substance, and please use dry cloth when you clean it
2. LED Panel / High Bay / Vapour Tight Sensor can only be installed by a qualified electrician
3. Before installation or maintenance, please disconnect the power to prevent electric shock

Application Notice

1. The sensor is designed for INDOOR USE ONLY. Outdoor use for a long time may reduce the waterproof effects
2. The raining or wind blowing may trigger the microwave sensor even if without human motion when put to outdoor use
3. The distance between any two sensors should be at least 3m to avoid interference with each other
4. When microwave sensor is installed in a metal lighting fixture or space with large reflector, for example a warehouse with metal roof, the microwave will be reflected and cause the lights to be permanently illuminated even if without motion signal. Please reduce the detection area (sensitivity) to solve the problems, or contact the microwave sensor manufacturer to provide technical support
5. Ensure that there are no fans or other vibrating objects in installation area. The movements will trigger the sensor as well
6. Make sure the sensor is not close to or be blocked by high density material, such as metal, glass, concrete walls, etc. The materials will reduce or block microwave and cause false trigger

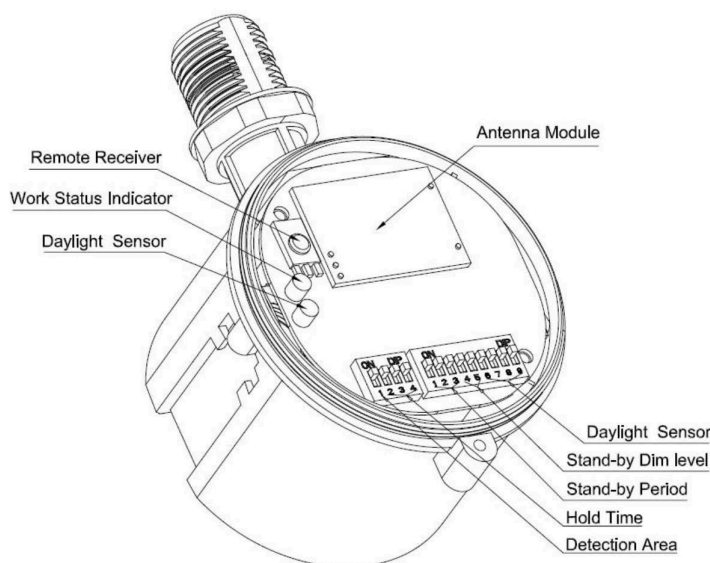
CAUTION

PLEASE READ INSTRUCTION BEFORE COMMENCING INSTALLATION AND RETAIN FOR FUTURE REFERENCES.

Electrical products can cause death or injury, or damage to property.

If in any doubt about the installation or use of this product, consult a competent electrician.

INSTALLATION GUIDE



Function Diagram

Initialization

1. ON / OFF function / 3-step dimming function:
After power ON, the sensor automatically turns on light at 100% brightness. After 10sec, it turns off the light. During the initialization, the sensor is not able to detect movement
2. 2-step dimming function:
After power ON, the sensor automatically turns on light at 100% brightness. After 10sec, it dims the light to a low light level (set by stand-by dim level). During the initialization, the sensor is not able to detect movement

Factory Setting

Detection area: 100%

Hold Time: 5S

Stand-by Period: 0s

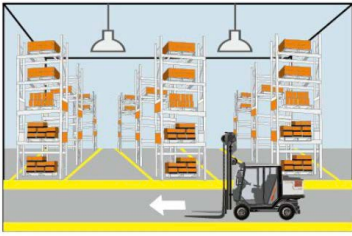
Stand-by dim level: 10%

Daylight Sensor: Disable

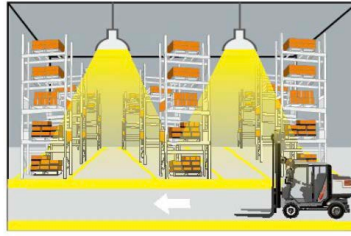
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FUNCTIONS

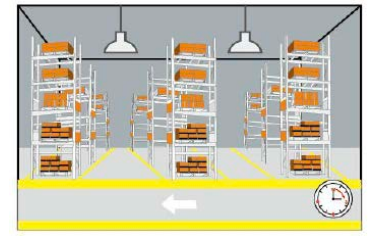
ON/OFF Function (stand-by period be set to "0"s)



1. With sufficient ambient light, the light will not be switched on even if with motion signal

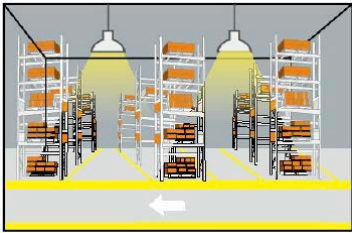


2. With insufficient ambient light, the sensor switches on the light when motion is detected

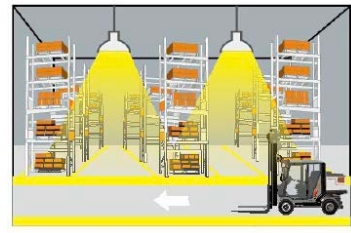


3. After elapse of hold time, the sensor switches off the light when no motion is detected

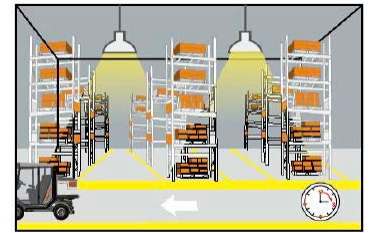
2-step Dimming Function (stand-by period be set to "+∞")



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

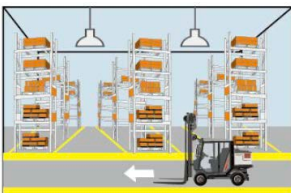


2. When motion is detected, the sensor will switch on the light to 100% brightness

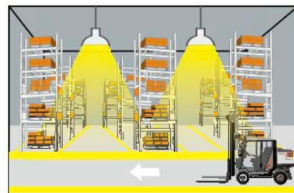


3. After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected

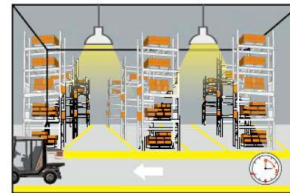
3-step Dimming Function (stand-by period be set to "10S / 1min / 3min / 5min / 10min / 30min")



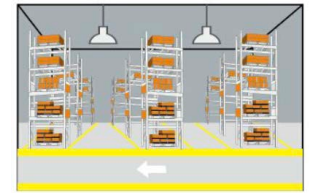
1. With sufficient ambient light, the light will not be switched on even if with motion signal



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

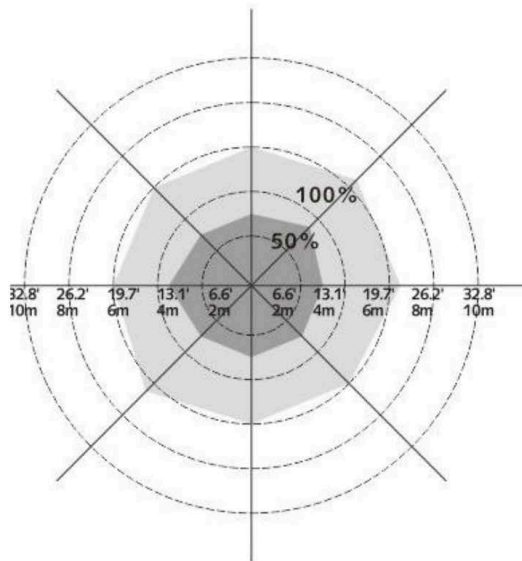


4. After elapse of standby period, the sensor switches off the light if no motion is detected in the detection zone

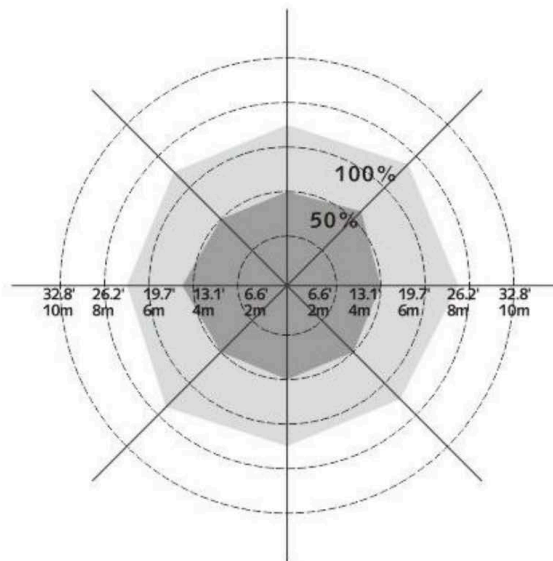
RADIATION PATTERN

Ceiling mounting

Fast Walk

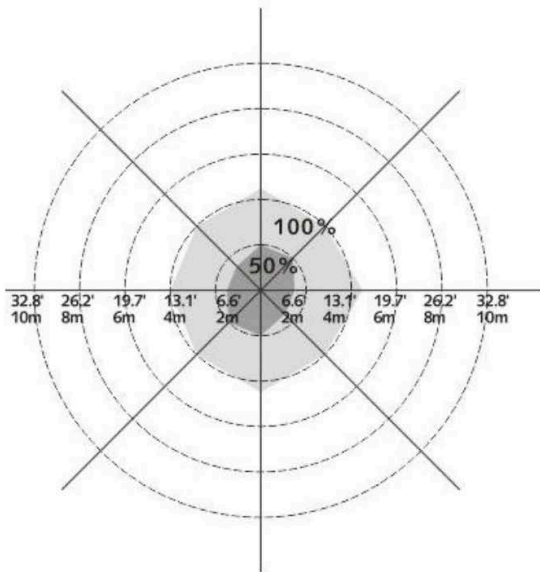


Slow Walk

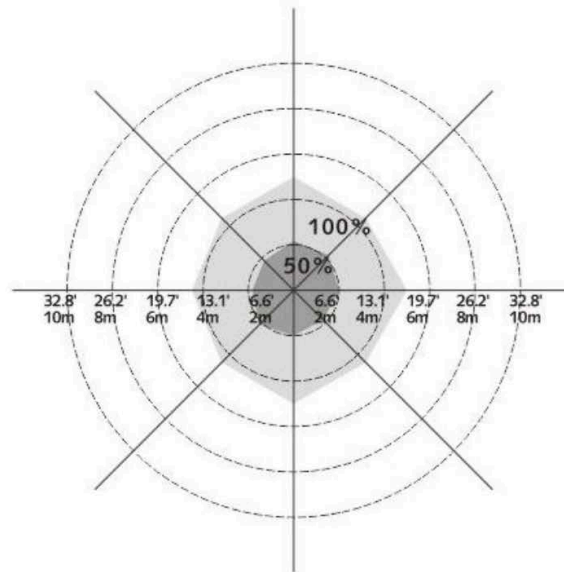


Mounting Height
(for both)
9.8ft /3m

Fast Walk



Slow Walk

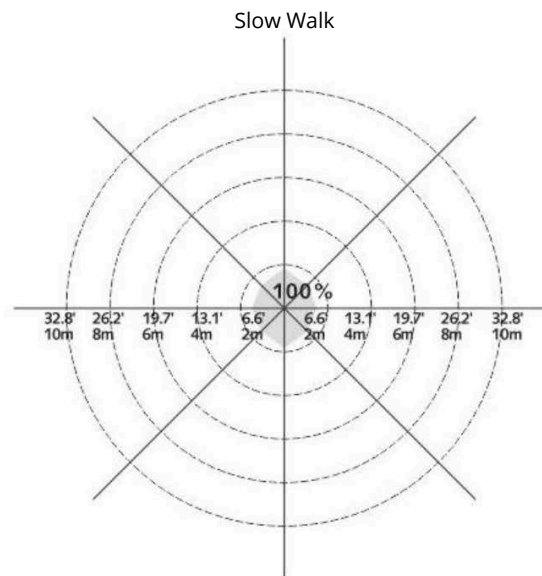
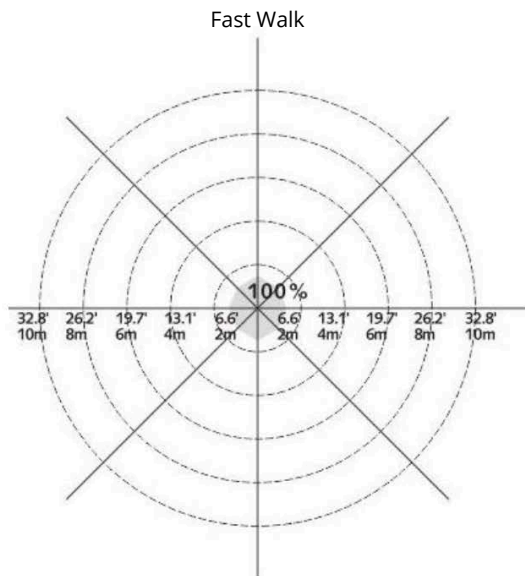


Mounting Height
(for both)
29.5ft /9m

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RADIATION PATTERN

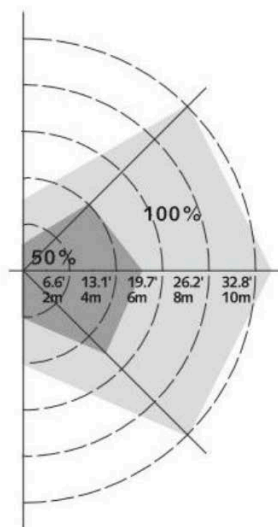
Ceiling mounting



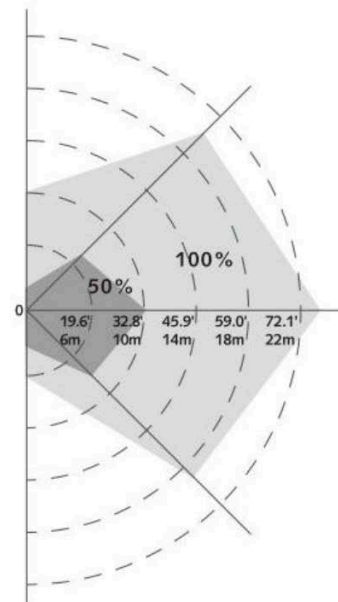
Mounting Height
(for both)
49.2ft / 15m

Wall mounting

Fast Walk



Slow Walk



Speed of slow walking
0.3m / s

Speed of fast walking
1m / s

Mounting Height
(for both)
6.6ft / 2m

REMOTE CONTROL

Button	Remarks																												
ON/OFF	Press the "ON/OFF" button, the light goes to constant on/off mode, sensor is disabled. Press any button to quit from this mode and the sensor starts to work.																												
Reset	Press "Reset" button, all parameters are same as setting of DIP switch or factory settings.																												
Sensor motion	Press "Sensor motion" button, the light quits from the constant on/off mode, and the sensor starts to work (The latest setting stays in validity)																												
DIM Test	Press "DIM Test" button, the 1-10 V dimming works to test whether the 1-10Vdc dimming ports are connected properly. After 2s, it returns to the latest setting automatically. (not applicable for MC609V RC)																												
DIM+	Short press "DIM+/DIM-" button to transmit dimming signal. The brightness of the lamp adjusts at 5% per unit. (not applicable for MC609V RC)																												
DIM-																													
DH Mode	Long press > 3s, sensor will take current light level as target lux level, to dim up/down load automatically according to the change of ambient light level. (not applicable for MC609 RC)																												
Scene Options	<table border="1"> <thead> <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> <th>Induction model</th> </tr> </thead> <tbody> <tr> <td>QS1</td> <td>100%</td> <td>30S</td> <td>1min</td> <td>10%</td> <td>5Lux</td> <td>Hs</td> </tr> <tr> <td>QS2</td> <td>100%</td> <td>1min</td> <td>3min</td> <td>10%</td> <td>10Lux</td> <td>Hs</td> </tr> <tr> <td>QS3</td> <td>100%</td> <td>5min</td> <td>10min</td> <td>10%</td> <td>30Lux</td> <td>Hs</td> </tr> </tbody> </table>	Scene Options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction model	QS1	100%	30S	1min	10%	5Lux	Hs	QS2	100%	1min	3min	10%	10Lux	Hs	QS3	100%	5min	10min	10%	30Lux	Hs
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TEST 2S	<p>Note: Detection area / Hold time / Stand-by period / Stand-by dim level / Daylight sensor can be adjusted by pressing the corresponding button. The latest setting will stay valid.</p> <p>Press the "TEST 2S" button can enter the test mode anytime. At the mode, the sensor parameters as below: Detection Area is 100%, Hold Time is 2s, Stand-by Dim Level is 10%, Stand-by Period is 0s, daylight sensor disable. This function only for testing. Quit the mode by pressing "RESET" or any other function buttons.</p>																												
HS	Press "HS" button to set the detection area to be high sensitive. Press "LS" button to set the detection area to be low sensitive. The adjustment bases on the "Detection Area" parameter you set. (HS or LS is not applicable for MC609V RC)																												
LS																													

	Daylight Sensor Set up daylight threshold: 5Lux/15Lux/30Lux/50Lux/100Lux/150Lux/ Disable
	Stand-by period Set up stand-by time: 0S/10S/1min/3min/5min/10min/30min/+∞
	Hold time Set up hold time: 5S/30S/1min/3min/5min/10min/20min/30min
	Stand-by dim level Set up stand-by dim level: 10%/20%/30%/50%
	Detection Area Set up detection area: 25%/50%/75%/100%
	Remote Distance Toggle bottom can set the remote distance of remote control and sensor.

REMOTE-MH01
(sold separately)

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DIP SWITCH SETTING

Stand-by Dim Level

	4	5	Brightness%	Voltage of 1-10V interface
I	ON	ON	10%	1.4-1.6V
II	ON	-	20%	1.9-2.1V
III	-	ON	30%	2.9-3.1V
IV	-	-	50%	4.9-5.1V

Detection Area (Sensitivity)

	1	
I	ON	100%
II	-	50%

Daylight Sensor

	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*

Disable means the daylight sensor does not work.
The sensor will turn ON light once motion is detected regardless of ambient light level.

Hold Time

	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

Stand-by Period

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

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