



### WARNING

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

1. LED High Bay Sensors are not suitable for using in wet locations
2. Please keep the LED High Bay Sensor away from any corrosive substance, and please use dry cloth when you clean it
3. LED High Bay can only be installed by a qualified electrician
4. Before installation or maintenance, please disconnect the power to prevent electric shock

### Application Notice

1. The sensor should be installed by a professional electrician. Please turn off the power before installing, wiring, changing the setting of the DIP switch
2. The sensor which installed in the plastic and glass lampshade will reduce the sensitivity. For every 3mm increase in thickness, the sensitivity will be reduced by 20%
3. The dimming performance could be different from different 1-10V drivers
4. The light sensitivity threshold is in a sunny environment, no shadow and ambient light diffuse reflection. Lux level detected by sensor could be different in different environment, weather, climate, time-of-day and season
5. The parameters of the sensor may need to be reconfigured in different installation environments. Please refer to the following instructions or contact the manufacturer
6. This sensor is for indoor use only. It will affect the waterproof effect for outdoor use. Wind, rain, and moving objects around will cause false triggering
7. The distance between any inductive sensors should be greater than 3m
8. Do not place the sensor close to high-density objects such as metal, glass, concrete walls, etc, false triggering could happen. When the sensor is installed in a metal lamp, metal reflective surface, or a narrow enclosed environment, the microwave will be reflected repeatedly and cause false triggering. Please reduce the sensitivity or contact the manufacturer for technical support
9. Please ensure that there are no moving signals around the sensor, such as fan, DC motor, sewer pipe, air outlet, etc., the sensor may generate false trigger
10. You are advised to test 5 samples before mass application of sensor in a new lighting project
11. Due to continuous improvement, the contents of this instruction could be changed without prior notice

### 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

#### Initialization

1/ On/off function /3step 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.

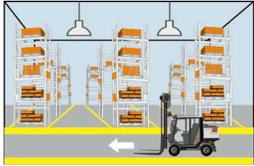
2/ 2-step dimming function: After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it dims the light to a low light level (set by stand-by dim level). During the initialization, the sensor is not able to detect movement.

#### Factory Setting

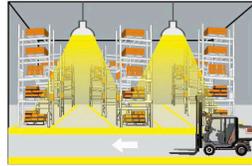
Detection area: 100%, Hold time: 5s. Stand-by Period: 0s. Stand-by dim level: 10%, Daylight Sensor: Disable

## FUNCTIONS

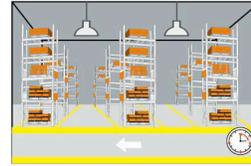
### ON/OFF Function (stand-by period be set to "0"s)



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

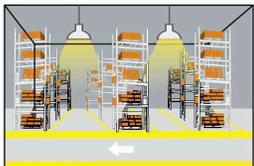


2. With insufficient ambient light, the sensor switches on the light when motion is detected

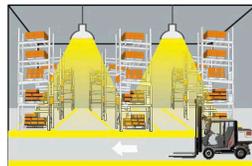


3. After elapse of hold time, the sensor switches off the light when no motion is detected

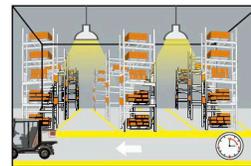
### 2-step Dimming Function (stand-by period be set to "+∞")



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

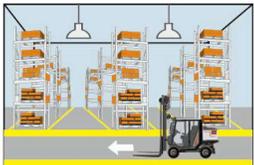


2. When motion is detected, the sensor will switch on the light to 100% brightness

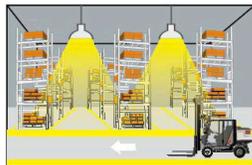


3. After elapse of hold time, the sensor switches dims the light at the present low light level if no motion is detected

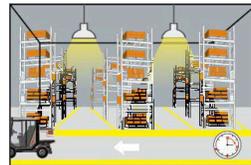
### 3-step Dimming Function (stand-by period be set to "10s/1min/3min/5min/10min/30min")



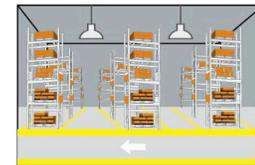
1. With sufficient ambient light, the light will not be switched on even if with motion signal



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

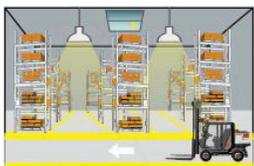


3. After elapse of hold time, the sensor switches dims the light at a low light level if no new motion is detected

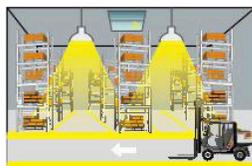


4. After elapse of standby period, the sensor switches off the light if no motion is detected in the detection zone

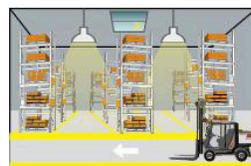
### Daylight Priority (stand-by period set to +∞)



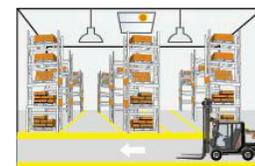
1. Lamp turns on at low light level 10% in the night



2. Motion detected, lamp automatically lights up to 100%



3. After hold time, the lamp gradually dims to a low light level 10% if no movement detected



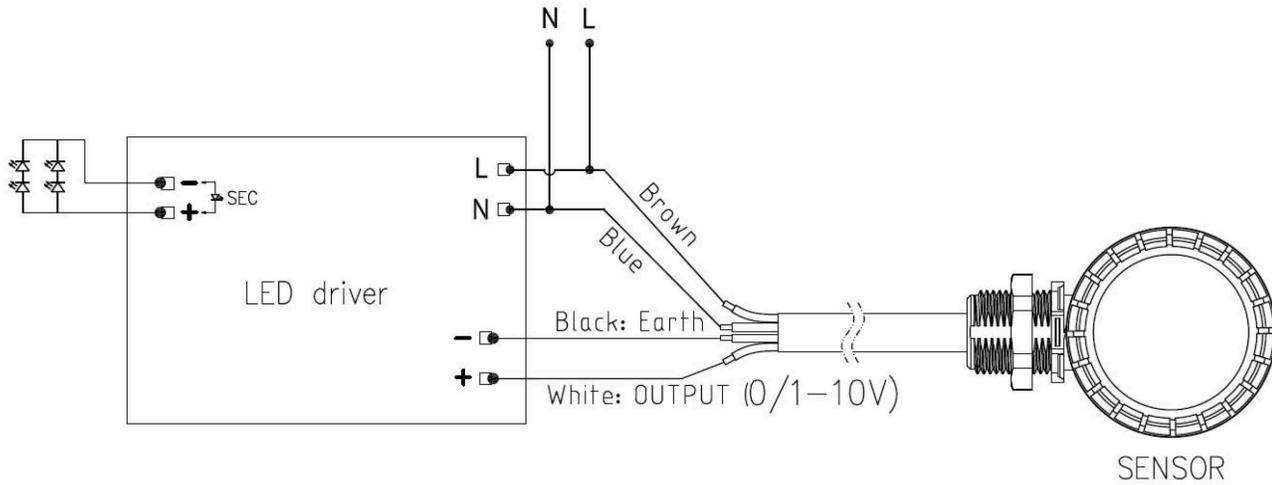
4. Lamp turns off after dawn

# LED High Bay Sensor

MODEL OD-MC628VRC

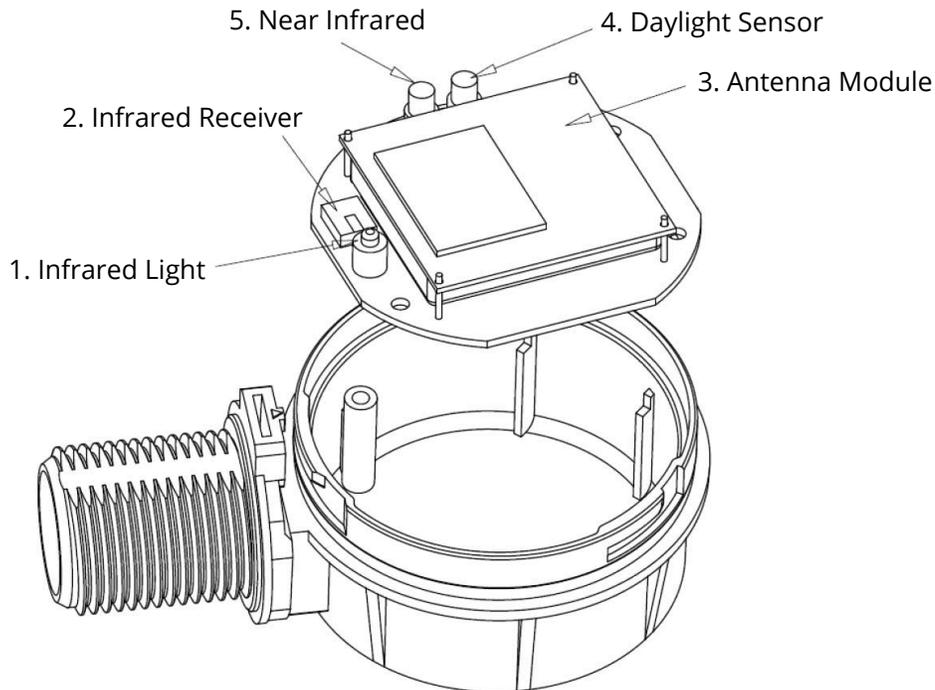
Instruction Manual

## WIRING



\*The sensor is designed to connect one load only.  
Connect more than one loads may damage the sensor.

## FUNCTION DIAGRAM



## REMOTE CONTROL

### REMOTE-MH10

Remote Control Setting	Button	Remarks																												
	ON/OFF	Press the "ON/OFF" button, the light goes to constant on/off mode, sensor is disabled, Press "Reset" "Auto mode" 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.																												
	Dverride DH	Long press 3s, Daylight priority mode will be switched to daylight threshold mode, lux value will go back to previous one.																												
	DIM+ DIM-	Short press "DIM+/DIM-" button to Set the output lumen level, each press will will $\pm 2\%$ light level																												
	DH Mode	Long press >3s, sensor will be switched to daylight priority mode; if preset daylight value is Disable,, press DH Mode can not start daylight priority mode.																												
	Q1 Q2 Q3	<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>5min</td> <td>10min</td> <td>10%</td> <td>30Lux</td> <td>Hs</td> </tr> <tr> <td>QS2</td> <td>100%</td> <td>10min</td> <td>30min</td> <td>10%</td> <td>Disable</td> <td>Hs</td> </tr> <tr> <td>QS3</td> <td>100%</td> <td>20min</td> <td>30min</td> <td>10%</td> <td>Disable</td> <td>Hs</td> </tr> </tbody> </table> <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>	Scene Options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction model	QS1	100%	5min	10min	10%	30Lux	Hs	QS2	100%	10min	30min	10%	Disable	Hs	QS3	100%	20min	30min	10%	Disable	Hs
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	TEST 2S	Press the "TEST 2S" button can enter the test mode any time. At the mode, the sensor parameters as below: Detection Area is 100%, Hold Time is 5s, 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.																												
	HS LS	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.																												
	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 button can set the remote distance of remote control and sensor.																												