

MODEL UFOHB-SENSOR



WARNING

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

1. Please keep the LED UFO High Bay Sensor away from any corrosive substance, and please use dry cloth when you clean it
2. LED UFO High Bay 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. The raining or wind blowing may trigger the microwave sensor even if without human motion in case of outdoor use
2. The distance between any two sensors should be at least 3m to avoid interference with each other
3. When the 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 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
4. Make sure the sensor is not close to or blocked by high density material, such as metal, glass, concrete walls, etc. The materials will reduce or block microwave and cause false trigger
5. Make sure there are no fans or other vibrating objects in installation area. The movements will trigger sensor as well

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

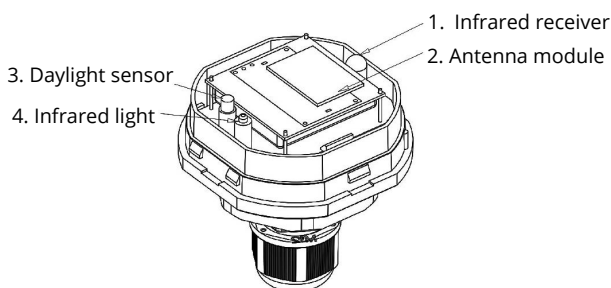
Initialization

1. ON / OFF function / 3-step 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

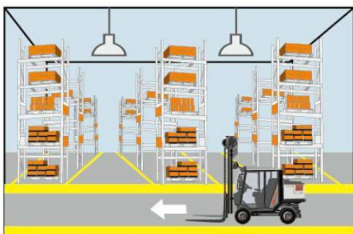
FUNCTION DIAGRAM



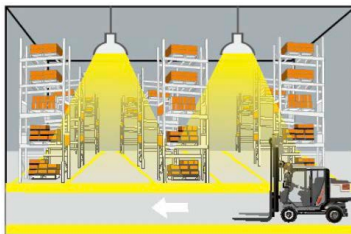
MODEL UFOHB-SENSOR

FUNCTIONS

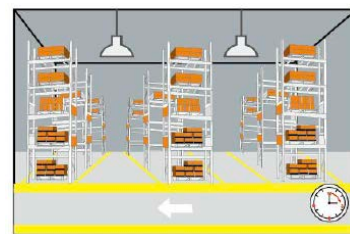
ON/OFF Function (stand-by period be set to "0"s)



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

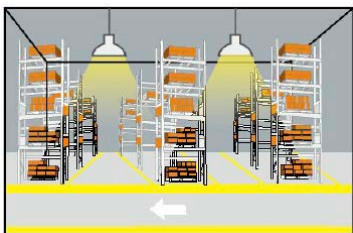


2. With insufficient ambient light, the sensor switches on the light when motion is detected

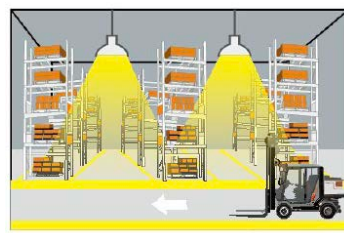


3. After elapse of hold time, the sensor switches off the light when no motion is detected

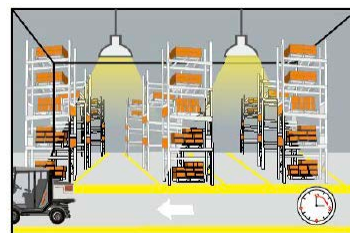
2-step Dimming Function (stand-by period be set to "+∞")



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

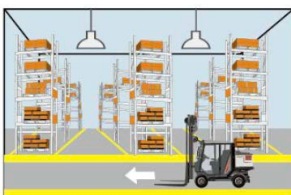


2. When motion is detected, the sensor will switch on the light to 100% brightness

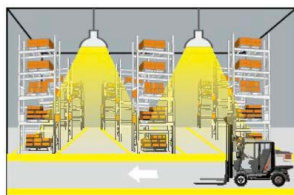


3. After elapse of hold time, the sensor dims the light at the present low light level if no motion is detected

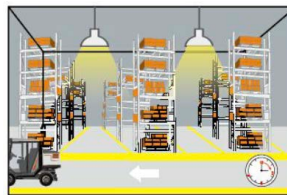
3-step Dimming Function (stand-by period be set to "10S / 1min / 3min / 5min / 10min / 30min")



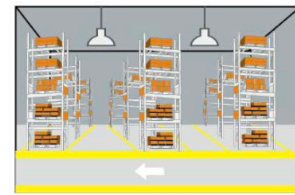
1. With sufficient ambient light, the light will not be switched on even if with motion signal



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



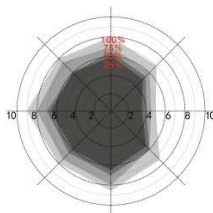
4. After elapse of standby period, the sensor switches off the light if no motion is detected in the detection zone

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RADIATION PATTERN

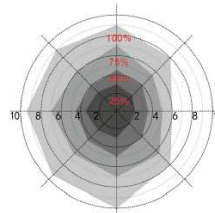
Ceiling mounting

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



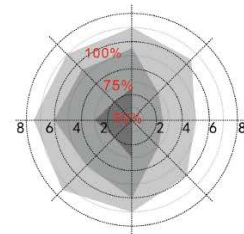
Normal moving (Speed: 1m/s)

Ceiling mounted height: 12m
Sensitivity: 100%/75%/50%/25%

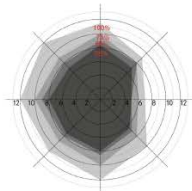


Normal moving (Speed: 1m/s)

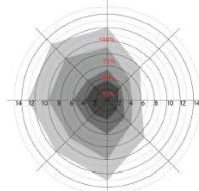
Ceiling mounted height: 15m (*)
Sensitivity: 100%/75%/50%



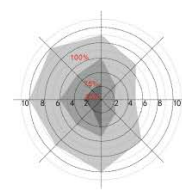
Normal moving (Speed: 1m/s)



Slow moving (Speed 0.3m/s)



Slow moving (Speed 0.3m/s)

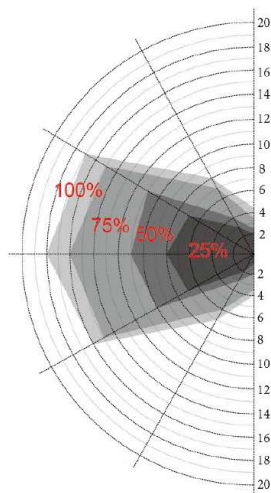


Slow moving (Speed 0.3m/s)

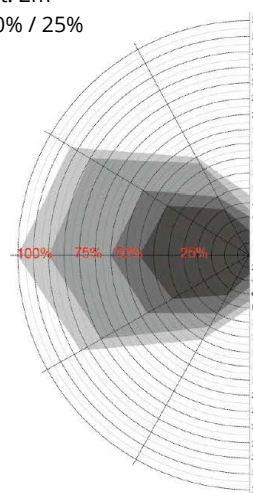
* Only 100% / 75% / 50% detection sensitivity is workable when installed at 15m mounting height.
25% sensitivity is not able to detect motion signal.

Wall mounting

Horizon mounted height: 2m
Sensitivity: 100% / 75% / 50% / 25%



Normal moving (Speed: 1m/s)



Slow moving (Speed 0.3m/s)

REMOTE CONTROL

REMOTE-MH10

Remote Control Setting	Button	Remarks																												
		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.																												
		Press "Reset" button, all parameters are same as setting of DIP switch or factory settings.																												
		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)																												
		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.																												
		Long press 3s, Daylight priority mode will be switched to daylight threshold mode, lux value will go back to previous one.																												
		Short press "DIM+ / DIM-" button to Set the output lumen level, each press will will $\pm 2\%$ light level																												
		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.																												
		<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> 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.	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
Scene Options	Detection Area	Hold Time	Stand-by period	Stand-by dim level	Daylight Sensor	Induction model																								
QS1	100%	5min	10min	10%	30Lux	Hs																								
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QS3	100%	20min	30min	10%	Disable	Hs																								
		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.																												
		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.																												