Alphalite Inc.

BI-LEVEL MICROWAVE SENSOR FOR HIGH BAY LIGHT

MMS-DC4T Series
Bi-level Microwave Sensor

DESCRIPTION

The MMS-DC4T is a motion sensor that dims lighting from high to low based on movement. This slim, low-profile sensor is designed for installation inside the bottom of a light fixture body. The sensors use microwave sensing technology that reacts to changes in movement within the coverage area. Once the sensor stops detecting movement and the time delay elapses lights will go from high to low mode and eventually to an OFF position if it is desired. Sensors must directly "see' motion of a person or moving object to detect them, so careful consideration must be given to sensor luminaire placement and lens selection. Avoid placing the sensor where obstructions may block the sensor's line of sight.

RC-100

SPECIFICATION FEATURES

Benefits

- Automatic dimming when used in combination with 0-10V dimmable LED drivers or ballasts.
- Rated for wet and cold locations.
- Built-in daylight sensor.
- Detection area, time delay and daylight threshold can be precisely set via remote control RC-100.
- Wide detection area, range up to 50 ft in diameter and mounting height 40 ft Max. Suitable for warehouse use.
- 3.5 mm audio plug-in interface for installation easy to be fixed with high bay and low bay.

Max. 8m	Mounting Height 12m Max.	Daylight Sensor	Hold Time 10S-60min	Automatic Dimming	5 Years Guarantee

WARNING

NOTE: Warm up time is 15seconds. After the sensor connects input power first time, the light will keep on 15seconds, then go to dimming to work normally.

NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 5min, Daylight sensor is disabled ☼, Dimming level: 30%,Dimming time: 60minitues.

NOTE: Any setting changed by remote control, the led light that sensor connect will on/off as confirm.

ORDERING INFORMATION

Available with the following Alphalite products: (3.5 mm audio socket)
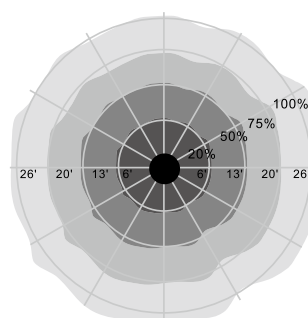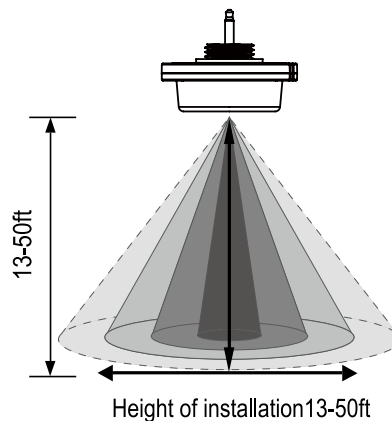
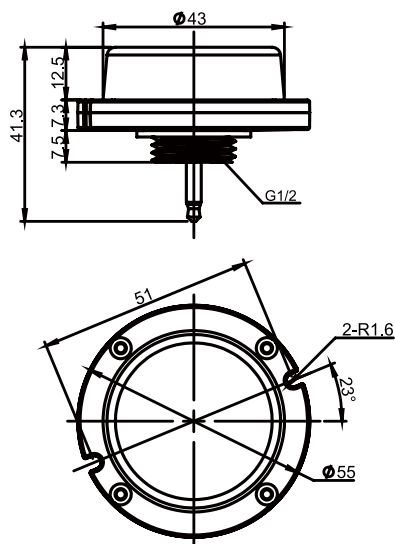| HEBS Series	RHXS Series	RWUX Series	ILA Series	HBDC Series

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SUMMARY

Power Supply	12-24V DC, >50mA
Dim Control Output	0-10V, Max. 25mA sinking current
HF System	5.8GHz+75MHz
Transmission Power	<0.2mW
Detection Radius	20%/50%/75%/100%(1-8m)
Mounting Height	Max 40ft.(12meters)
Time Setting	10s/1min/5min/10min/15min/20min/30min/60min
Light-control	24H/10LUX/30LUX/50LUX
Temperature	-40°F - +158°F (-40°C~+70°C)
IP Rating	IP65

SENSOR COVERAGE

Height of installation13-50ft

PHYSICAL PARAMETERS

DIMENSION

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Corridor Function

This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.

With sufficient natural light, the light does not switch on when presence is detected

With insufficient natural light, the sensor switches on the light automatically when presence is detected

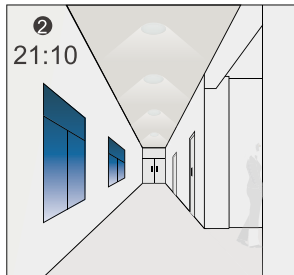After hold-time, the light dims to stand-by level if the surrounding natural light is below the daylight threshold.

Light switches off automatically after the stand-by period elapses.
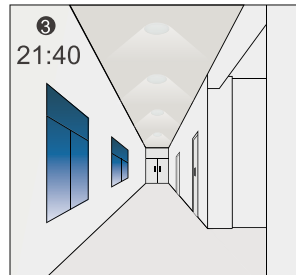
Smart Daylight Sensor Function

Open the daylight sensor by push ⏸ when remote control is in setting condition

❶ 21:00

❷ 21:10

❸ 21:40

Setting on this demonstration:
Hold-time: 30 min
Setpoint on: 50lux
Setpoint off: 300lux
Stand-by dim: 10%
Stand-by period: + ∞
(When the smart photocell sensor open, the stand-by time is only + ∞)

The light switches on at 100% when there is movement detected.

The light dims to stand-by level after the hold-time.

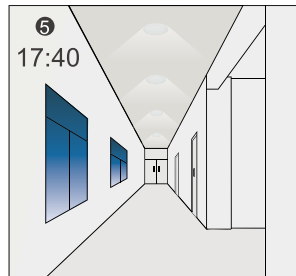The light remains in dimming level at night

❶ ⇄ ❸ goes in cycle at night ···

100% on when movement detected, and dims to 10% in long absence.

❹ 08:10

❺ 17:40
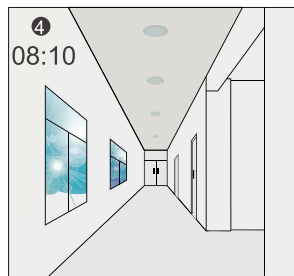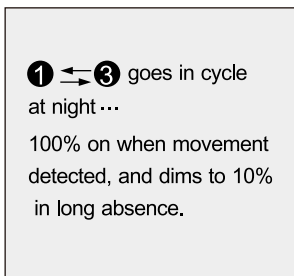
When the natural light level exceeds set point off to light, the light will turn off even if when the space is occupied.

The light automatically turns on at 10% when natural light is insufficient(no motion).

Power On

Off

Check

Every 30min

Dim

No motion

motion

100% On

Hold-time ends

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