

Project Name:	Notes:	Date:	Type:
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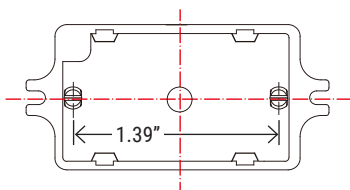
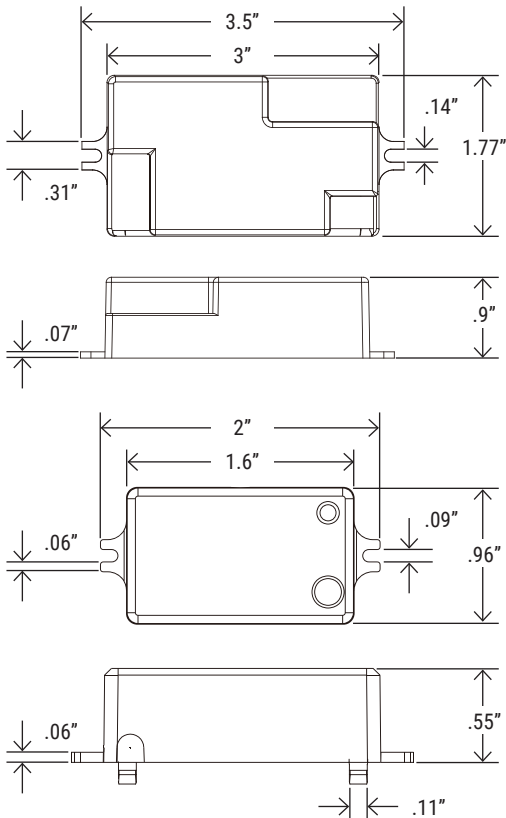
DESCRIPTION

Portor's Microwave motion sensor allows a full range of control, including standby time, hold time, and daylight harvesting.

TECHNICAL SPECIFICATION

OPERATING VOLTAGE	120V-277VAC , 50/60Hz
STAND-BY POWER	<1W
OUTPUT SIGNAL	ON/OFF, Dim 0-10V
OPERATING TEMPERATURE	-22°F ~ 70-158°C
WARRANTY	5-year limited

DIMENSION



MICROWAVE INFORMATION

FREQUENCY	5.8GHz±75MHz
MICROWAVE POWER	<0.3mW
INSTALLATION HEIGHT	2.5-6m/8.2-19.68 ft
DETECTION DISTANCE	≥3m/9ft
MOTION DETECTION	0.5 ~ 1.2m/s

SENSOR PARAMETER

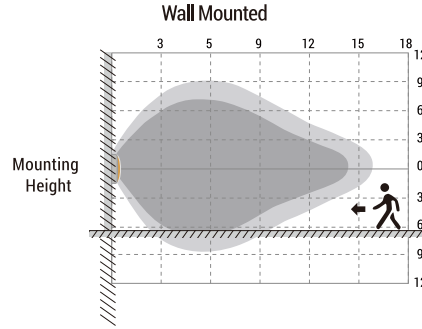
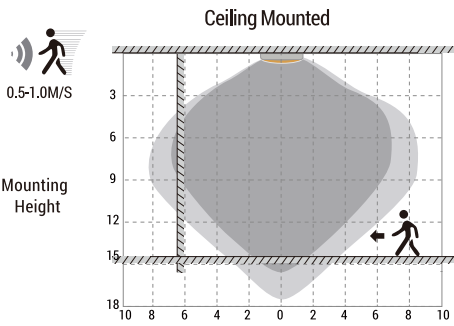
DETECTION AREA	DIP Switch: 50%/100%
HOLD TIME	DIP Switch: 5s/30s/1min/10min
DAYLIGHT THRESHOLD	DIP Switch: 2Lux/10Lux/50Lux/Disable
STAND-BY PERIOD	DIP Switch: 0s/30s/20min/+∞
STAND-BY DIMMING LEVEL	DIP Switch: 10%/20%/30%/50%
SWITCHING CAPACITY	Max, 3.0A@120Vac, 50/60Hz; Max, 2.0A@277Vac, 50/60Hz

FACTORY DEFAULT SETTING:

Detection area 100%/ Hold time 5s/ Daylight threshold Disable/Stand-by period 0s/Stand-by dimming level 10%. Can be customized default programming.

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DETECTION COVERAGE

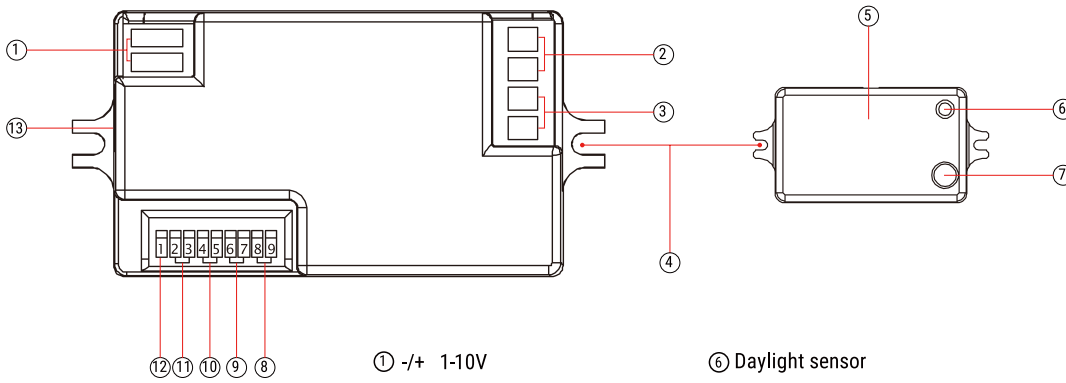


HIGHEST MOUNTING HEIGHT IS 6M

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

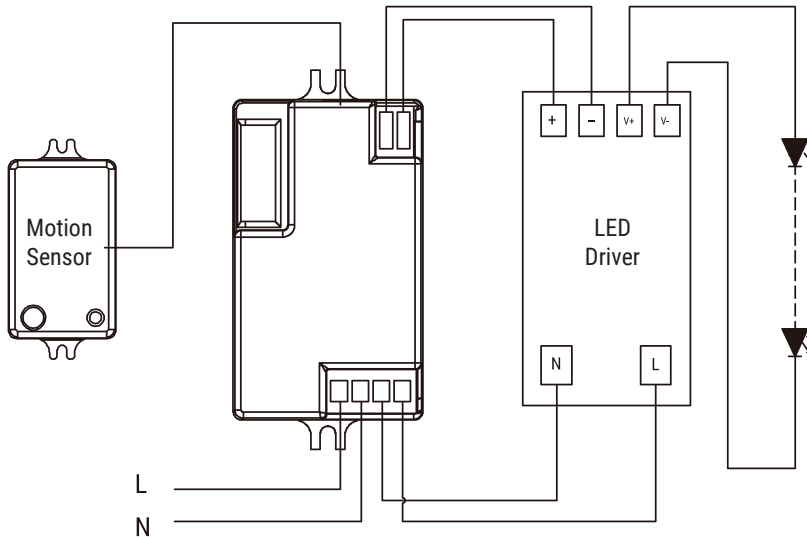


FUNCTIONS



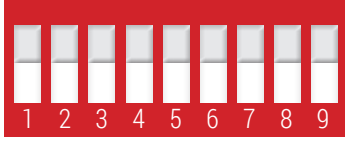
- | | | | |
|-------------|---------------------|--------------------------|--------------------------------|
| ⑫ 11 10 9 8 | ① +/- 1-10V | ⑥ Daylight sensor | ⑪ Hold time |
| | ② Output | ⑦ IR receiver | ⑫ Detection Area |
| | ③ Input | ⑧ Stand-by dimming level | ⑬ Motion sensor interface RJ11 |
| | ④ Installation hole | ⑨ Stand-by period | |
| | ⑤ Microwave Module | ⑩ Daylight Threshold | |

WIRING DIAGRAM

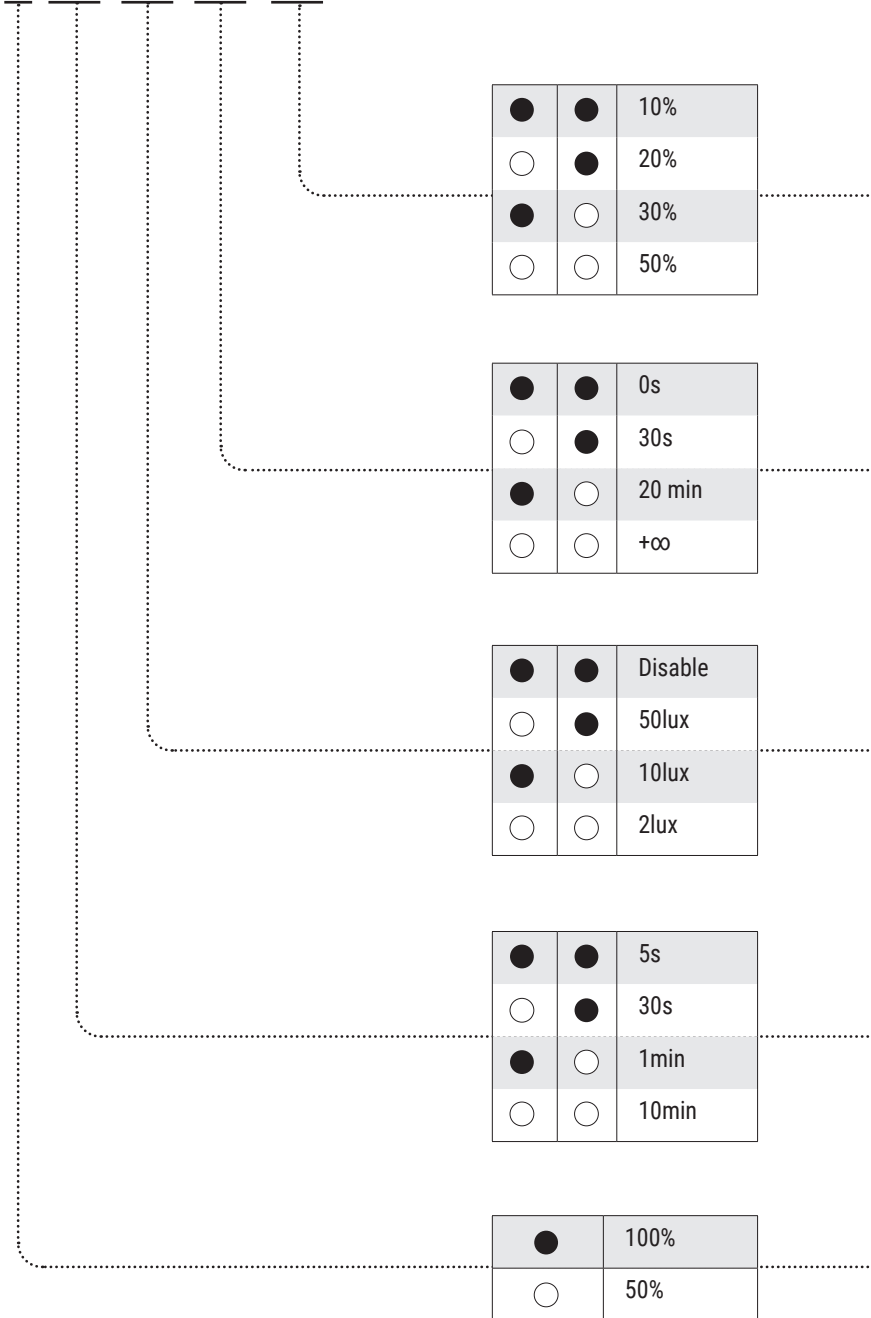


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DIP SWITCH SETTING



● Switch UP
○ Switch DOWN



●	●	10%
○	●	20%
●	○	30%
○	○	50%

STAND BY DIMMING LEVEL

The definition of low output in the standby period.

●	●	0s
○	●	30s
●	○	20 min
○	○	+∞

STAND BY PERIOD

The period of light keeping low output before it's completely switched off. When it's preset as "∞", the light always keep at low output if no movement in the detection area and doesn't turn off.

●	●	Disable
○	●	50lux
●	○	10lux
○	○	2lux

DAYLIGHT THRESHOLD

Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works every time it detects motion regardless the ambient brightness.

●	●	5s
○	●	30s
●	○	1min
○	○	10min

HOLD-TIME

The period of light keeping 100% brightness after moving objects leave the detection area.

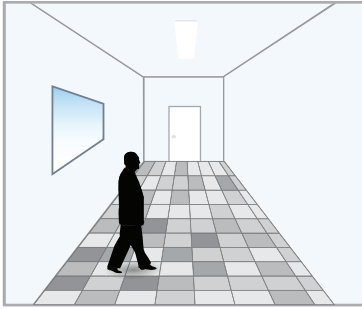
●	100%
○	50%

DETECTION AREA

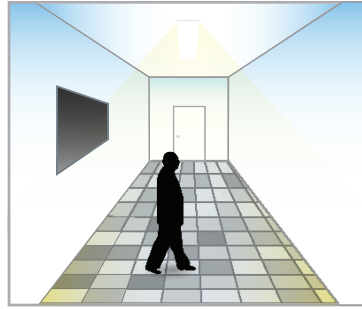
In this area, movement will be detected and able to trigger the sensor. 100% detection area is also known as the strong sensitivity.

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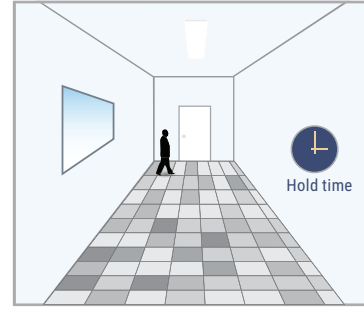
1. ON/OFF



With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, the sensor turns light ON when motion gets detected.



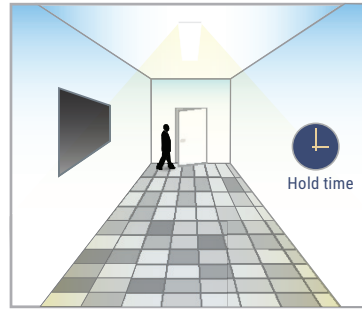
The sensor turns OFF light automatically after the holdtime when there's no motion detected.

2. DAYLIGHT DISABLE

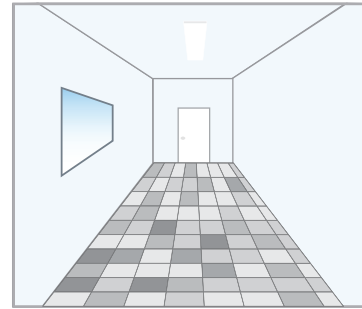
When daylight threshold is preset as "disable", the sensor turns light ON when motion gets detected, and OFF after hold-time.



The sensor turns light ON when motion gets detected.

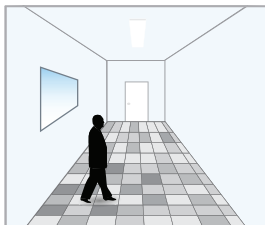


The sensor keeps light ON for holdtime period after motion leaves.



The sensor turns OFF light automatically after the hold time.

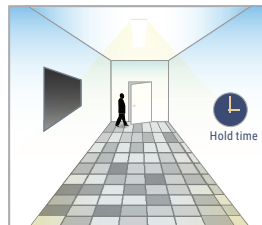
3. CORRIDOR FUNCTION, BI-LEVEL DIMMABLE



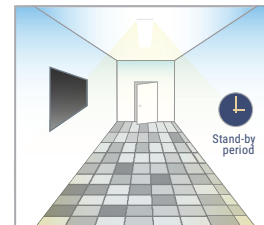
With sufficient daylight, the sensor keeps light OFF even when motion gets detected.



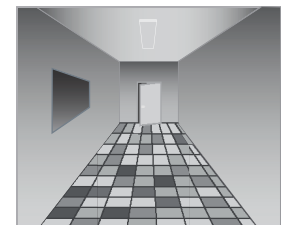
With insufficient daylight, the sensor turns light ON when motion gets detected.



After there's no motion detected, the sensor keeps light ON 100% for holdtime.



After holdtime, sensor dims light to standby dimming level for standby period.



The sensor turns OFF light automatically after the standby period when there's no motion detected.