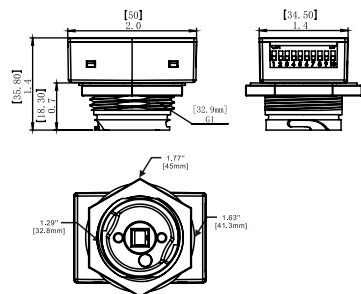


Low Voltage PIR Fixture Integrated Outdoor Photo/Motion Sensor DENT-OCC-LV-P-Z-CM



INTRODUCTION

The Dent-OCC-LV-P-Z-CM is a low voltage occupancy sensor with advanced PIR technology that can support 3 states of information - occupied, standby, and vacant. The configuration options for these are programmed with dip switch settings

SPECIFICATIONS

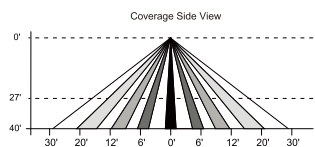
Power supply	12-24V DC
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle	30FT@40FT Height/360°
Mounting height	Max 40ft. @L3 Max 24ft. @L4
Remote range	50ft. (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40°F ~ +167°F (-40°C ~ +75°C)

SENSOR'S LED:

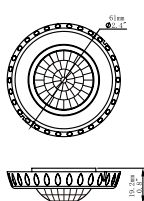
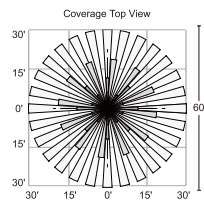
1. It always light after switch on power, and be off after the unit enter working state.
2. It flash once when the unit receives sensing signal.

SENSOR INFORMATION

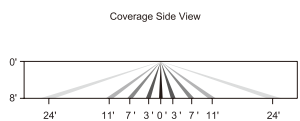
L3



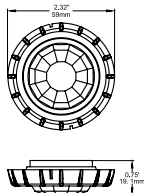
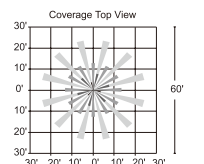
360° Coverage



L4



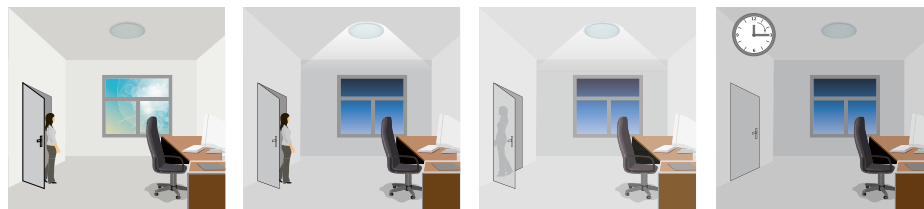
360° Coverage



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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.

Note: if you choose STAND-BY DIM is 0, the stand-by period is 0, it is ON/OFF function.

SMART PHOTOCELL FUNCTION

open the smart photocell sensor by push **Ⓜ** when remote control is in setting condition.



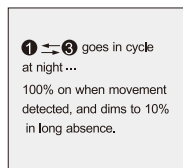
The light switches on at 100% when there is movement detected.

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

The light remains in dimming level at night.

Settings on this demonstration:

- Hold-time: 10min
 - 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 +∞)



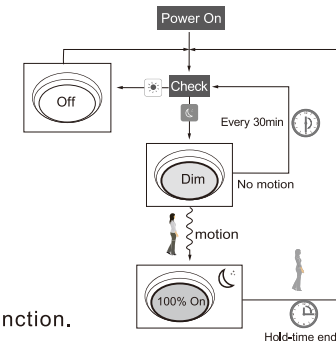
When the natural light level exceeds setpoint on to light, the light will turn off even if when the space is occupied.



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



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



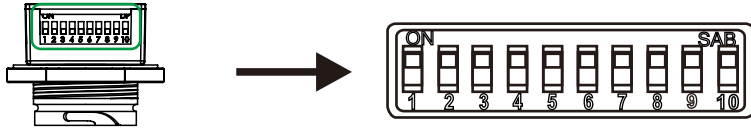
Difference between Corridor Function and Smart Photocell Function.

1. In corridor function, the daylight sensor as threshold to assist motion sensor, in Photocell function, the daylight sensor works independently to motion sensor.
2. Turn On light by detect motion when natural light is insufficient for corridor function, turn on light by natural light level exceeds setpoint on to light, do need to detect motion, for smart photocell function.
3. Turn off light by stand-by time for corridor function, Turn off light by natural light level lower than setpoint off of light for smart photocell function.

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PARAMETER SETTING BY DIP SWITCH

Consider the picture: 1, 2 set sensitivity; 3, 4 set hold time; 5, 6 set the lux; 7, 8 stand-by light level ; 9, 10 set stand-by time ;



Detection Range Setting (sensitivity)

Detection range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 40ft(L3), pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:

ON	↑	OFF	↓	SENSITIVITY
↑	↑	↓	↓	20%
↓	↓	↑	↑	50%
↑	↓	↓	↑	75%
↓	↑	↑	↑	100%

Diagram: Two switches labeled 1 and 2. Switch 1 is in the ON position (↑), switch 2 is in the OFF position (↓). Text below: SENSITIVITY:1, 2

Hold Time Setting

The light can be set to stay ON for any period of time between approx. 10sec and a maximum of 15min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:

ON	↑	OFF	↓	TIME
↑	↑	↓	↓	10S
↓	↓	↑	↑	1Min
↑	↓	↓	↑	5Min
↓	↑	↑	↑	15Min

Diagram: Two switches labeled 3 and 4. Switch 3 is in the OFF position (↓), switch 4 is in the OFF position (↓). Text below: TIME:3, 4

Light-control Setting

The chosen light response threshold can be infinitely from approx. 10-50Lux, pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and light-control of the corresponding table is as follows:

ON	↑	OFF	↓	LIGHT
↑	↑	↓	↓	(light sensor disable)
↓	↓	↑	↑	10Lux
↑	↓	↓	↑	30Lux
↓	↑	↑	↑	50Lux

Diagram: Two switches labeled 5 and 6. Switch 5 is in the OFF position (↓), switch 6 is in the OFF position (↓). Text below: LUX:5, 6

Stand-by Light Level Setting

Switch to the on is "↑", switch to the off is "↓"; he corresponding file of switch location and detection distance as follow:

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ON	↑	OFF	↓	STAND-BY LEVEL
↑	↑	↓	↓	0%
↓	↓	↑	↑	10%
↑	↓	↓	↑	30%
↓	↑	↑	↑	50%

Diagram: Two switches labeled 7 and 8. Switch 7 is in the OFF position (↓), switch 8 is in the OFF position (↓). Text below: STAND-BY LEVEL:7, 8

Stand-by Time Setting

File of switch location and detection distance as follow: file of switch location and detection distance as follow:

ON	↑	OFF	↓	STAND-BY TIME
↑	↑	↓	↓	+∞
↓	↓	↑	↑	1Min
↑	↓	↓	↑	30Min
↓	↑	↑	↑	60Min

Diagram: Two switches labeled 9 and 10. Switch 9 is in the OFF position (↓), switch 10 is in the OFF position (↓). Text below: STAND-BY TIME:9, 10

PARAMETER SETTING BY REMOTE CONTROL IN MANUAL OF RC-100.

WIRING DIAGRAMS

DENT-OCC-LV-P-Z-CM wiring to a LINC Device

