

SMF2125

CUSTOMER PROJECT

Project: _____
 Type: _____
 Cat. No.: _____
 Qty: _____
 Date: _____
 EEL Rep: _____



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DESCRIPTION

SMF2125 is a motion sensor that dims lighting from high to low based on motion. 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, the lights will go from high to low mode and eventually to an OFF position if desired. Sensors must directly "see" motion of a person or moving object to detect them. 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.

SPECIFICATIONS

Power supply	12V-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 50ft.(15meters)
Time setting	10s/1min/5min/10min/15min/20min/30min/60min
Light-control	24H/10LUX/30LUX/50LUX
Temperature	-4°F ~ +140°F (-20°C ~ +60°C)
IP rating	IP65
Warranty	3-Year Warranty

⚠ 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 ☀, Dimming level: 30%, Dimming time: 60minutes.

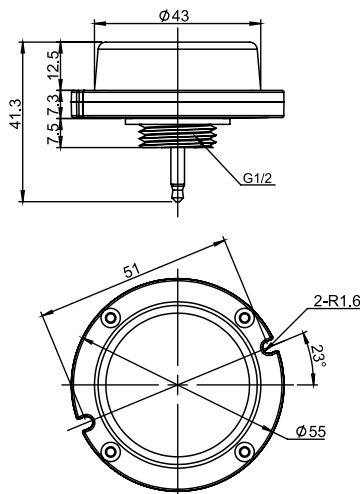
NOTE: Any setting changed by remote control, the led light that sensor connect will on/off as confirm.



SMF2125

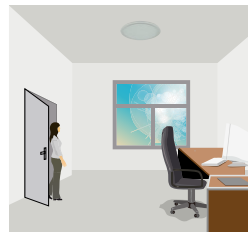


RC-1020

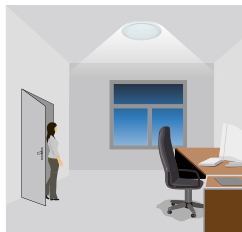


FUNCTIONALITY

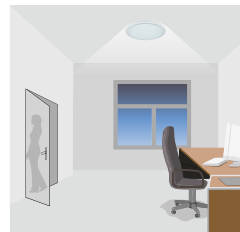
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient) -->off; and 2 periods of selectable waiting time: motion hold-time and stand-by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



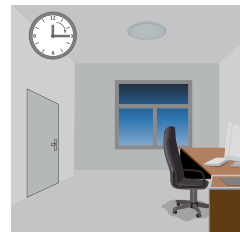
With sufficient natural light, the light does not switch on when presence is detected.



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.



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DAYLIGHT SENSOR FUNCTION

Open the daylight sensor by pushing (⏏) when remote control is in setting condition.



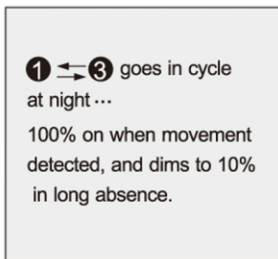
The light switches on at 100% when there is movement detected.



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



The light remains in dimming level at night.



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



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

Settings on this demonstration:

Hold-time: 30mins

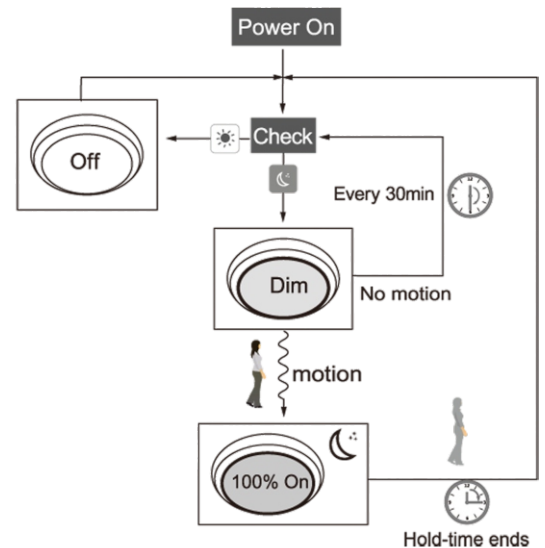
Setpoint on: 50lux

Setpoint off: 300lux

Stand-by Dim: 10%

Stand-by period: +∞

(when the smart photocell sensor open, the stand-by time is only +∞)



SENSOR COVERAGE

