

SPECIFICATION SHEET

SUBJECT

Microwave Bi-Level Sensor

CUSTOMER PROJECT

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



Telephone: 905 415 8878 Fax Number: 905 415 8872 Toll Free Telephone: 855 415 8878 Toll Free Fax: 855 415 8872

SPECIFICATION FEATURES

Functionality

- Motion detection and day light detection
- Tri-level dimming (100% - dimmed light – off)

Compatibility

- VTHB
- Ordinary VT & VT-B
- FS*
- SLO
- SPW4
- SW
- SWS**

Accessories

- Optional Remote Control (sold separately);
- Detection height 50ft (15m) indoor, no backlight

Finish

- White

Compliance

- cULus listed
- CE
- FCC

Warranty

- 5 years

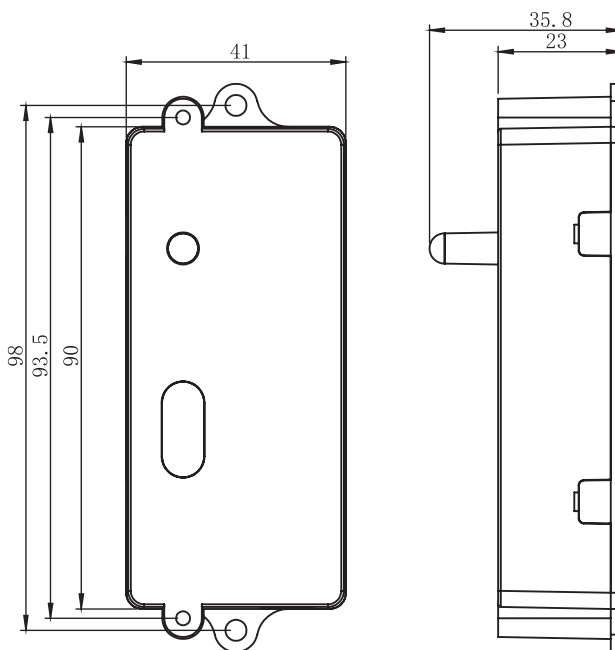


SMI1030INT
Microwave
Bi-Level Sensor

ACCESSORIES

Microwave Bi-Level Sensor

Voltage	120-277V
Detection Angle	360°
Max Mounting Height	20 ft (6.1m) 14 ft (4.3m)* for FS 5K 13 ft (4.0m)** for SWS
Max Detection Range	5 ft to 26 ft (1.5m to 7.9m) @ height of installation 8 ft (2.4m)
Load	Resistive / Tungsten: 600W @ 120V AC Ballast Electronic (LED): 800/1200V AC @ 120/277V
Adjustable Hold Time	15 sec to 30 mins
Operating Temperature	-40°C to 70°C
Dimming Level	0/10%/20%/30%



ORDERING CODE, ENERGY AND PERFORMANCE DATA



Model No.	Voltage (V)	Maximum Load
SMI1030INT	120-277	Resistive/ Tungsten: 600W @ 120V AC



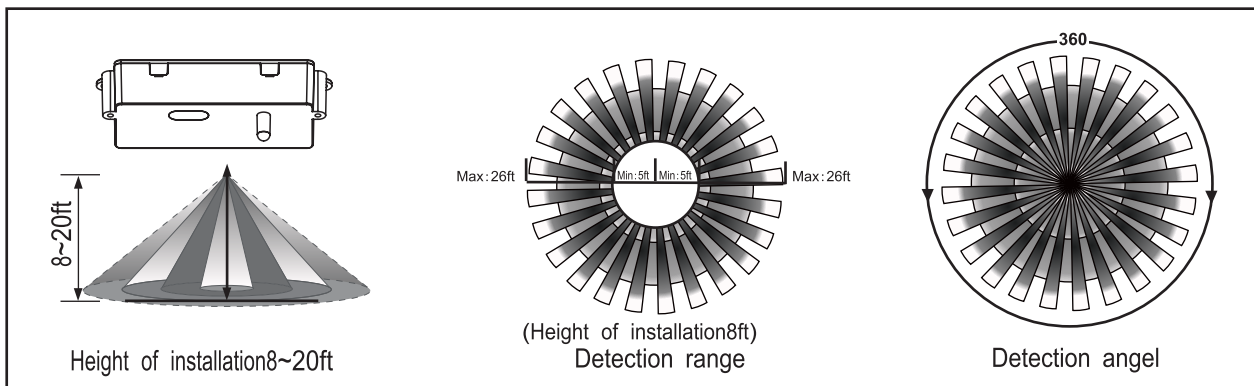
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Specification

Power supply	120-277VAC
Maximum load @ -40°F ~ 158°F (-40°C ~ 70°C)	Resistive/Tungsten - 600W@120V Ballast Electronic (LED) - 800/1200VA@120/277V
HF System	5.8GHz CW
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle	Max 26ft.(8m) /360°
Mounting height	Max 20ft
Remote range	33ft. (10m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-104°F ~ 158°F (-40°C ~ 70°C)

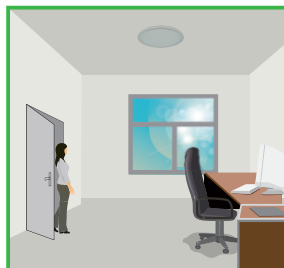
Sensor Information



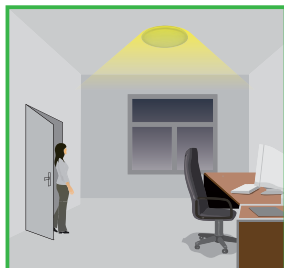
Function and Options

If 4 levels of the light control: dimming light (0,10%, 20 %, 30%)---100%---dimming light (0,10%, 20%, 30%)---off periods of selectable waiting time: motion holdtime and 24hours, selectable daylight threshold, and freedom of detection ara.

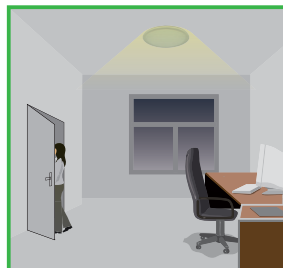
If natural light lower light-control setting (10Lux, 30Lux, 50Lux), the light will not automatically turn on(0, 10%, 20%,30%). When person enter the room, the light will be on at 100%, after person leaves the room, the room will enter in semi bright brightness after hold on time.



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



With insufficient natural light, the sensor switches on the light automatically when person enters (options) standby level after the room. The lamp never switch off with presence, even the natural light is sufficient.



Person leaves, light still dims to 0/10%/20%/30% (options) standby level after the hold time.



Light switches off automatically after the dimming time elapsed



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Remote Control Setting - RC1020

BUTTON	DESCRIPTION	BUTTON	DESCRIPTION
	Press the "ON/OFF" button, the light goes to permanent on or permanent off mode, and the sensor is disabled.(MUST press "Auto"button to quit this mode for Setting.		Press "Auto" button, the sensor starts to function and all settings remain the same as the latest status before the light is switched on/off.
	Display the current/lastest setting parameters in LED indicators(the LED indicators will on for showing the setting parameters).		The button" TEST" is for testing purpose sensitivity only. after you choose sensitivity thresholds, then you press"TEST" button, The sensor goes to test mode(hold time is only 2s) automatically ,meanwhile the stand-by period and daylight sensor are disabled. Press "AUTO" button to quit from this mode.
	Press "RESET" button, all settings go back to settings of dip Switch in sensor.		
	Enter in the setting condition, and Navigate to UP and Down for choose selected parameters in LED indicators.		Press this button for open or close the smart photocell sensor which take place of normal photocell sensor switch. When remote control enters in setting conduction, you can choose open and close the smart photocell sensor. If this smart photocell sensor open, 2 Leds indicators of daylight sensor are on for choose photocell sensor setpoint on/off to light, and Stand by time is only 2min. When the natural light level exceeds setpoint off to light, the lights will turn off even if when the space is occupied. once the natural light level exceeds this setpoint off to light, the sensor will wait and monitor for 1 minute in order to confirm the natural light level increase is not temporary before forcing the lights to go off. When the natural light level lower than setpoint on to light, the lights will turn on even when the space is not occupied. when natural light level goes lower than this setpoint on to light, the sensor will wait and monitor for 1 minute in order to confirm the natural light level decrease is not temporary before forcing the lights go on.
	Navigate to LEFT and RIGHT for choose selected parameters in LED indicators.		
	Keep records of selected parameters in remote control or in Mode 1 or mode 2 mode 3,mode 4.		
	Upload the selected parameters to sensors.		
	4 Scene modes with preset parameters which are available to be changed and saved in modes.		

LED INDICATORS

LED	DESCRIPTION	LED	DESCRIPTION
BRIGHTNESS	To Set the output level (in %) of connected lighting during occupancy		To select the current surrounding lux value as the daylight threshold. This feature enables the fixture to function well in any real application circumstances.
SENSITIVITY	To set the occupancy sensing sensitivity of the Sensor		The built-in daylight sensor stops working, and all motion detected could turn on the lighting fixture, no matter how bright the natural light is.
HOLD TIME	The time that the Sensor will turn off(if you choose stand-by level is 0) or dim the light to a low level after the area is vacated	STAND-BY DIM	To set the output level (in %) of connected lighting during vacancy. The sensor will regulate the lighting output at the set level. Setting the STAND BY DIM at 0 means light full off during vacancy.
DAYLIGHT SENSOR	To represents various thresholds of natural light level for the Sensor .	STAND-BY TIME	To represents the time that the Sensor will keep the light at low dim level after the HOLD TIME elapsed.

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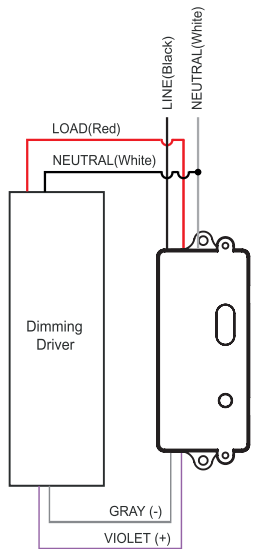
Remote Control Setting - RC1020

BRIGHTNESS	SENSITIVITY	HOLD TIME SETTING	LIGHT CONTROL SETTING	Stand by light level setting	Stand-by time setting
70%	20%	10S		0%	
80%	50%	1MIN	10LUX	10%	1MIN
90%	75%	5MIN	30LUX	30%	30MIN
100%	100%	10MIN	50LUX	50%	60MIN
		15MIN			
		20MIN	100LUX		
		30MIN	300LUX		
		60MIN	500LUX		

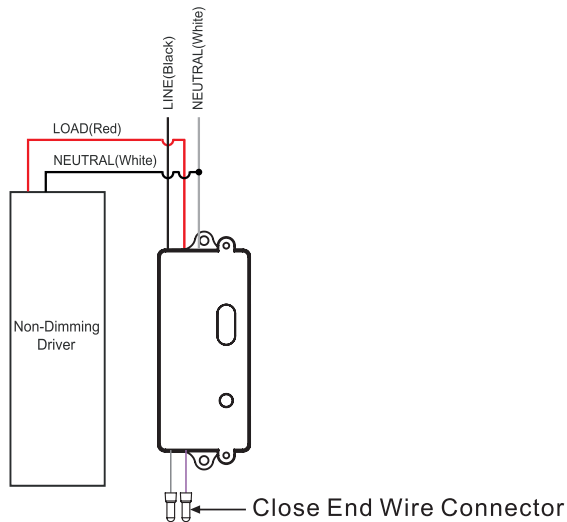
Note: Only available when the smart daylight sensor function is on

Wiring Diagram

Dimming Driver



Non-Dimming Driver



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