

SMI1503

CUSTOMER PROJECT

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



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DESCRIPTION

The SMI1503 mounts in an indoor lighting fixture and provides multi-level control based on motion. It controls 0-10 VDC LED drivers or dimming ballasts. The SMI1503 occupancy sensors are designed to mount to a light fixture and control one load in that fixture. They can be wired to control all ballasts in the fixture, or to control half of the ballasts/driver, providing high/low lighting control. When motion is detected within the sensor's coverage area, the relay in the sensor closes and lighting loads are automatically turned on.

SPECIFICATION FEATURES

Power supply	120-347VAC 50/60Hz
Maximum load @ -40°F ~ +167°F (-40°C ~ +75°C)	Tungsten - 800W@120V / 1200W@277V Electronic Ballast - 5A@120V / 5A@277V / 5A@347V
Dim control output	0-10V, max. 25mA sinking current
PIR Len L1 / Low bay lens	Max (radius on ground) 30ft@25ft height/360° (Recommended for ≤ 20ft mounting height)
PIR Len L2 / High bay lens	Max (radius on ground) 30ft@40ft height/360° (Recommended for > 20ft mounting height, not recommended for < 18ft mounting height)
Time setting	10sec.-15min.(adjustable)
Light-control	10-50Lux (adjustable)
Humidity	Max. 95% RH
Temperature	-40°F ~ +167°F (-40°C ~ +75°C)

Note:

- For mounting height higher than 20ft (max 40ft), standard highbay lens is recommended.
- Highbay lens is not recommended for mounting height lower than 18ft.
- For mounting height lower than or equal to 20ft(minimum 8ft), lowbay lens is recommended.



NOTE

- Warm up time is 40 seconds. For the first time only after the sensor connects, the light will stay on for 40 seconds, then go to dimming and work normally.
- Factory default setting: 100% sensitivity, Hold on time: 10 seconds, Daylight sensor is 30lux, Dimming level: 30%, Dimming time: 60 minutes
- Any setting changed by DIP switch or remote control, the sensor will be on/off



SMI1503



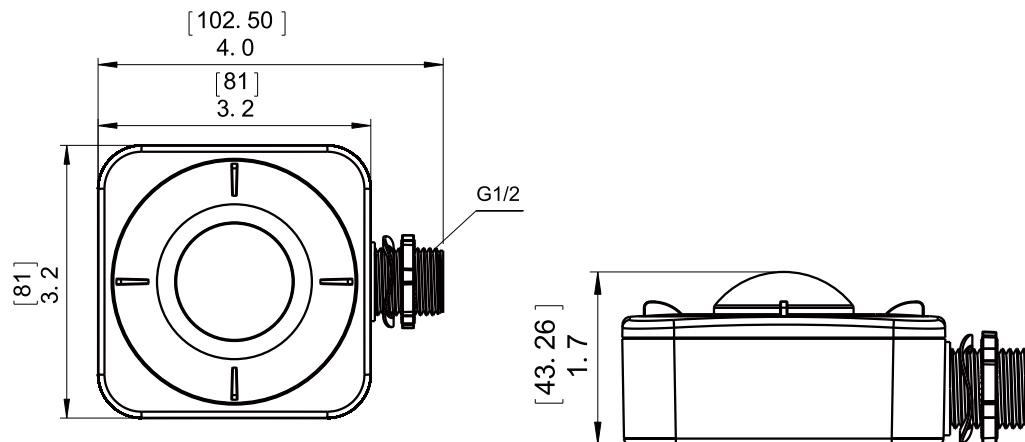
SMI1500HBL00
High Bay Lens
(Standard)



SMI1500-LBL00
Low Bay Lens
(Optional)

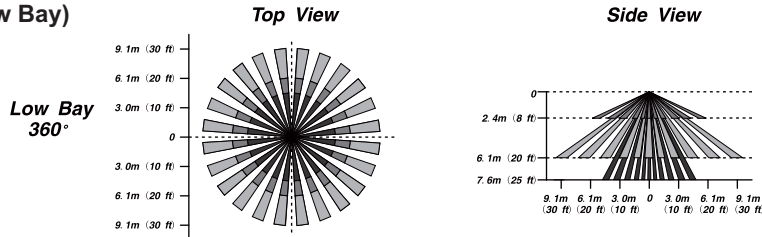


RC1020
(Optional)

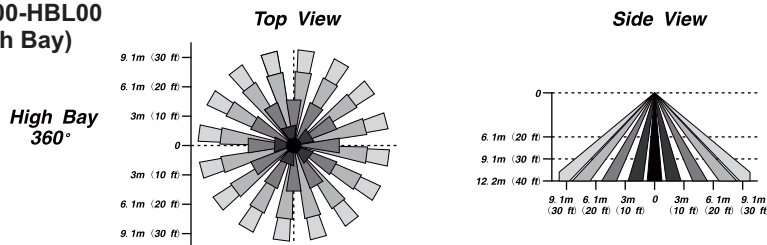


SENSOR INFORMATION

SMI1500-LBL00 (Low Bay)



SMI1500-HBL00 (High Bay)



FUNCTION & OPTIONS

The infrared sensor to achieve tri-level dimming control, for some areas that require a light change notice before switch off. It differs 3 levels of the light control: 100% -- dimming light (0, 10%, 30%, 50%) – off; and 2 periods of selectable waiting time: motion hold-time and stand-by time. Selectable daylight threshold and choice of detection area.



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



With insufficient natural light, the sensor switches on the lamp automatically when person enters room.



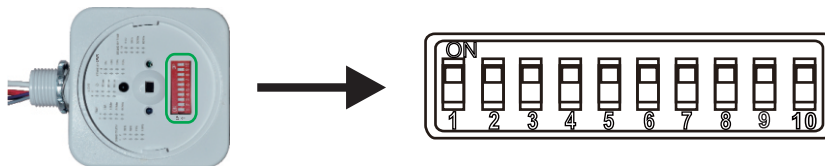
People left, lamp still dims to 0/10%/30%/50% (options) standby level after the hold time.



Lamp switches off automatically after stand-by time elapsed.

PARAMETER SETTING BY DIP SWITCH

Refer to 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 ;



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.

