

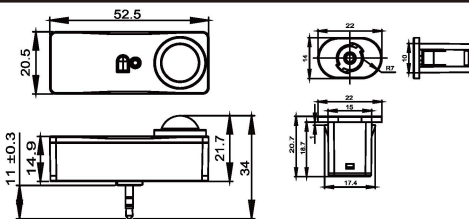
PIR Occupancy Bi-level&Daylight Harvesting Sensor PLB-PIR1 Instruction



PLB-PIR1



RC-100



INTRODUCTION

The PLB-PIR1 is passive infrared occupancy bi-level sensor, as a fixture sensor mounts in indoor light fixture and provides daylight harvest control. It works by 12-24Vdc power, and controls 0-10VDC LED drivers or dimming ballasts. All controls parameters (Hold time, task light level, stand-by level, stand-by time) are adjustable via a wireless configuration tool capable of storing.

SPECIFICATIONS

Power supply	12-24V DC, >50mA
Dim control output	0-10V, max. 25mA sinking current
Mounting height	12ft Max.
Detection angle	360°
Operating temperature	-20°C~60°C
IP rating	IP20

⚠ WARNING

NOTE: Warm up time is 40seconds. After the sensor connects input power first time, the light will keep on 40seconds, 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.

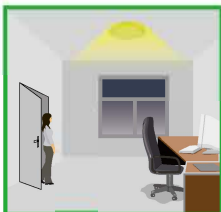
NOTE: Any setting changed by remote control, the led light that sensor connect will on/off as confirm.

DIMMING FUNCTION

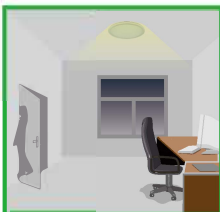
This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100%-->dimmed light (natural light is insufficient)-->off; and 2 periods of selectable waiting time: motion hold-time and stand-by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

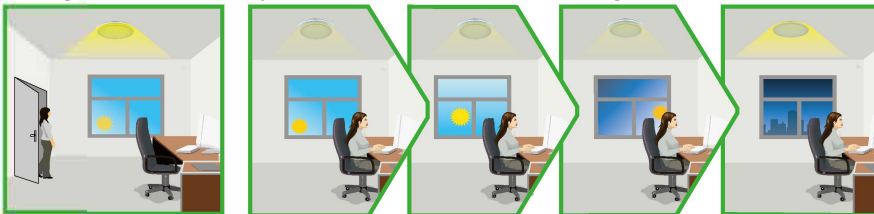


Light switches off automatically after the stand-by period elapses.

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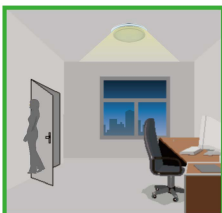
DAYLIGHT HARVESTING FUNCTION (ONLY BY USING RC100 REMOTE CONTROL)

Open the daylight harvesting function only by choosing “👁️” button when remote control is in setting condition. Memory and maintain current ambient brightness.

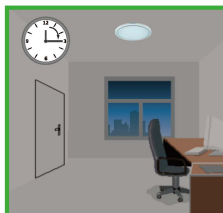


When the natural light is sufficient or dark, movement is detected and the light will turn on 100% brightness.

The light turns on at full or dims to maintain the lux level. The light output regulates according to the level of natural light available.



The light dims to stand-by period after hold-time and stays on selected minimum dimming level.



The light switches off completely after the stand-by period.

Setting on this demonstration:

BRIGHTNESS: 100%

SENSITIVITY: 100%

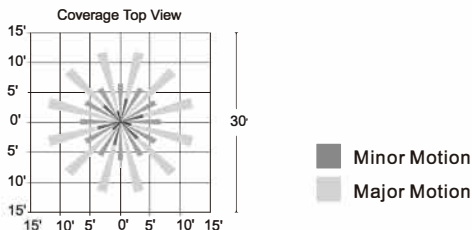
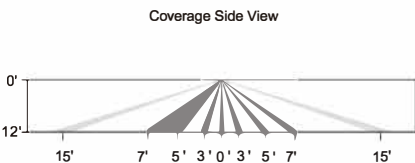
HOLD TIME: 30MIN

DAYLIGHT SENSOR: 👁️

STAND BY DIM: 30%

STAND BY TIME: 1MIN

COVERAGE PATTERNS



DAYLIGHT HARVESTING FUNCTION SETTING BY REMOTE CONTROL RC-100.