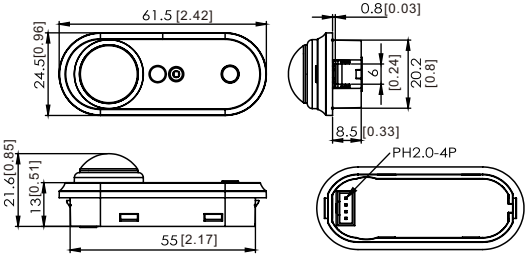
■ PIR Occupancy Bi-level&Daylight Harvesting Sensor
NLC-MW-SQ-008 Instruction



NLC-MW-SQ-008



RC-100



mm[in]

INTRODUCTION

The NLC-MW-SQ-008 is passive infrared occupancy bi-level sensor ,as a fixture sensor mounts in indoor light fixture and provides multi-level control based on motion and/or daylight contribution.

It works by 10-14Vdc 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

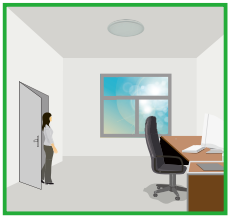
Power supply	10-14V DC, >50mA
Dim control output	0-10V, max. 25mA sinking current
Mounting height	12ft(4m) Max.
Detection angle	360°
Operating temperature	-20℃~60℃
IP rating	Ip20

⚠ WARNING

NOTE: Warm up time is 40 seconds. 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: Brightness:100%,100% sensitivity, Hold on time: 5min, Daylight sensor is ☼, Dimming level: 30%,Dimming time: +∞.
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 suffcient 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 room.



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



Light switches off automatically after after stand-by time elapsed.

■ PIR Occupancy Bi-level&Daylight Harvesting Sensor NLC-MW-SQ-008 Instruction

DAYLIGHT HARVESTING FUNCTION (ONLY BY USING RC100 REMOTE CONTROL)

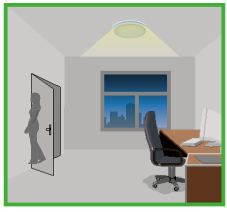
Open the daylight harvesting function only by choosing" " button when remote control is in setting condition. Memory and maintain current ambient brightness.



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.

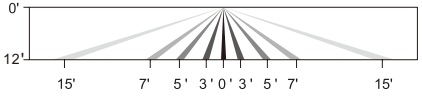


The light switches off completely after the stand-by period.

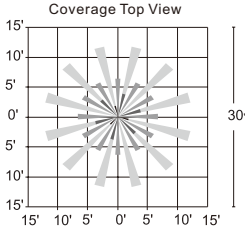
Setting on this demonstration:
BRIGHTNESS:100%
SENSITIVITY:100%
HOLD TIME:30MIN
DAYLIGHT SENSOR:
STAND BY DIM: 30%
STAND BY TIME: 1MIN

COVERAGE PATTERNS

Coverage Side View

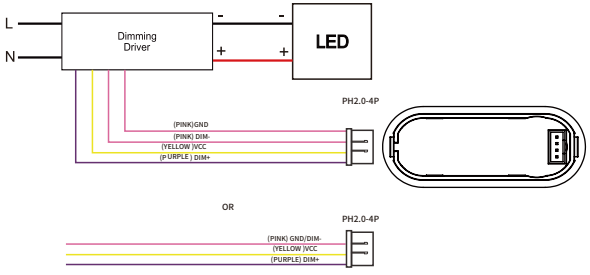


Coverage Top View



DAYLIGHT HARVESTING FUNCTION SETTING BY REMOTE CONTROL RC-100.

Wiring



V1.0