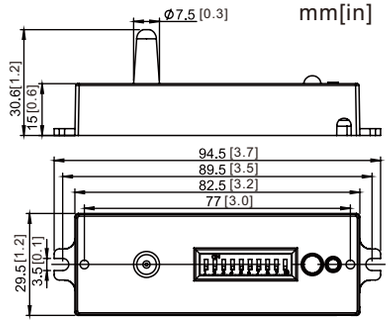


NLC-MW-SQ-007



RC-100
(OPTIONAL)

mm[in]



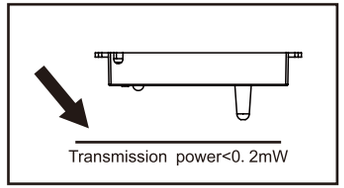
SPECIFICATIONS

Power supply	12V–24V DC
HF System	5.8GHz±75MHz
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle	Max 26ft.(8m)/360°
Mounting height	Max 12ft
Remote range	50ft. (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40°F ~ 158°F (-40°C ~ 70°C)

⚠ WARNING

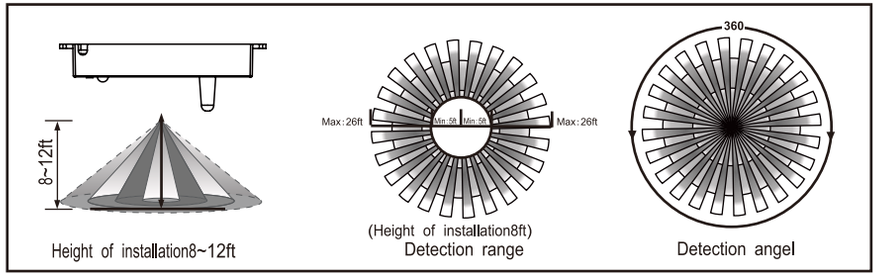
NOTE: Factory Default Setting: Brightness:100%,100% sensitivity, Hold on time: 5min, Daylight sensor is ☼, Dimming level: 30%,Dimming time: +∞.

NOTE: The high-frequency output of this sensor is <0. 2mW-that is just one 5000th of the transmission power of a mobile phone or the output of a microwave oven.



Transmission power<0. 2mW

SENSOR COVERAGE



Height of installation8~12ft

(Height of installation8ft)
Detection range

Detection angel

Once powering the device up, the NLC-MW-SQ-007 will use factory default parameters to operate.
If adjustments are needed, "RC-100" Wireless IR Configuration tool must be used.

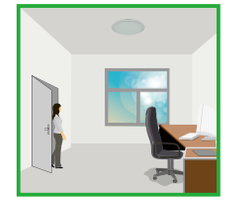
■Low Voltage Microwave Bi-level Sensor
NLC-MW-SQ-007 instruction

UTILIZING FIELD AND INTRODUCTION

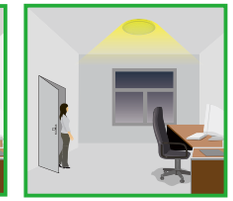
NLC-MW-SQ-007 is a moving object sensor that can detect range of 360°and it's working frequency is 5.8GHz. The advantage of this product is stable working state (stable working temperature: -40°C~+70°C), NLC-MW-SQ-007 adopts a microwave sensor(high-frequency output <0.2mW),so that it is safe and performs better than infrared sensor.

FUNCTION AND OPTIONS

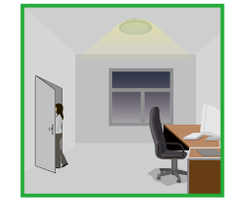
If offers 3 levels of the light Control : 100%--dimming light (0,10%,30%,50%)--off; Periods of selectable waiting time: motion hold-time and 24hours, selectable daylight threshold, and freedom of detection area.
If natural light lower Light-control setting (10Lux,30Lux,50Lux),the light will not automatically on (0,10%,30%,50%). When person enter in the room, the light will on 100%,after person left the room, the room enter in stand by level after hold on time.



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 the (options) standby level after the room.The lamp never switch off with presence, even the nature light is sufficient.



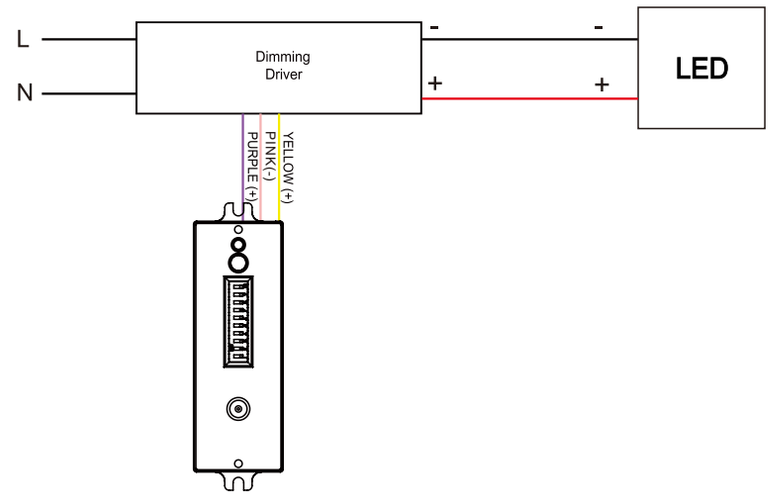
People left,light still dims to 0/10%/30%/50% (options) standby level after the hold time.



Light switches off automatically after the dimming time elapsed.

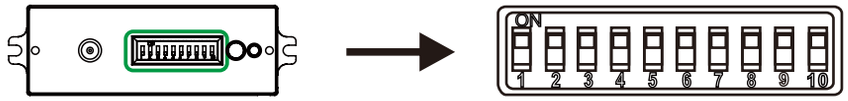
WIRING DIAGRAMS

NLC-MW-SQ-007 wiring with dimming ballast or LED driver.



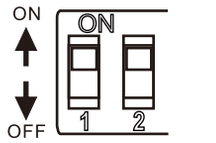
PARAMETER SETTING BY DIP SWITCH

Consider 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 ;



Detection Range Setting (sensitivity)

Detection range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 8-20ft, pull switch to the ON position as "↑ ", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:

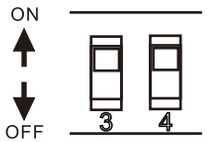


SENSITIVITY:**1**, **2**

SENSITIVITY 1	2	
↓	↓	20%
↓	↑	50%
↑	↓	75%
↑	↑	100%

Hold Time Setting

The light can be set to stay ON for any period of time between approx.10sec and a maximum of 15min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test.
Pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and hold time of the corresponding table is as follows:

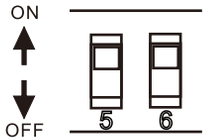


TIME:**3**, **4**

TIME 3	4	
↓	↓	10S
↓	↑	1Min
↑	↓	5Min
↑	↑	15Min

Light-control Setting

The chosen light response threshold can be infinitely from approx. 10-50lux, pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and light-control of the corresponding table is as follows:



LIGHT:**5**, **6**

LIGHT 5	6	
↓	↓	☼ (light sensor disable)
↓	↑	10Lux
↑	↓	30Lux
↑	↑	50Lux

■Low Voltage Microwave Bi-level Sensor
NLC-MW-SQ-007 instruction

Stand-by Light Level Setting

Switch to the on is "↑", switch to the off is "↓"; The corresponding file of switch location and stand-by level as follow:

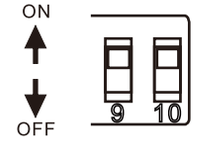


STAND-BY LEVEL:**7**, **8**

STAND-BY LEVEL 7	8	
↓	↓	0%
↓	↑	10%
↑	↓	30%
↑	↑	50%

Stand-by Time Setting

Switch to the on is "↑", switch to the off is "↓";File of switch location and stand-by time setting as follow:



STAND-BY TIME:**9**, **10**

STAND-BY TIME 9	10	
↓	↓	+∞
↓	↑	1Min
↑	↓	30Min
↑	↑	60Min

PARAMETER SETTING BY REMOTE CONTROL IN MANUAL OF RC-100.

V1.1-WSD