integratech HWDP IP66 IK08 High Output Instruction Manual

**HWDP IP66 IK08 High Output
Instruction Manual**

Line Voltage Microwave Bi-level Sensor BRI810-B-D instruction

BRI810-B-D

RC-100
(OPTIONAL)

Contents

SPECIFICATIONS

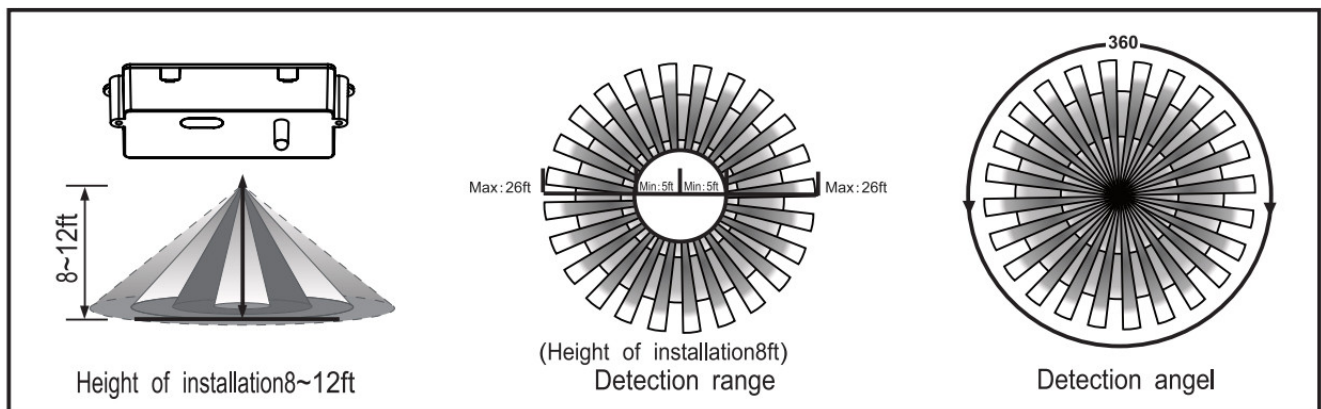| Power supply	120/277VAC 50/60Hz
Maximum load © -40°F – +158°F (-40°C – +70°C)	Resistive/Tungsten – 600Wat120V Electronic Ballast (LED) – 800VA©120V/1200VA©277V
HF System	5.8GHz CW
Dim control cutout	0-10y. max. 25mA ;Mina current
Detection radius/angle	Max 266.(8m) /360°
Mounting height	Max 12ft
Humidity	Max. 95% RH
Temperature	-40°F – +158°F (-40°C – +70°C)

NOTE: The hilil-frecluency output of this sensor is <0. 2mW-that is just one 5000'of the transmission power of a mobile phone or the output of a microwave

Transmission power<0. 2mW

SENSOR COVERAGE

Height of installation8~12ft

(Height of installation8ft)
Detection range

Detection angel
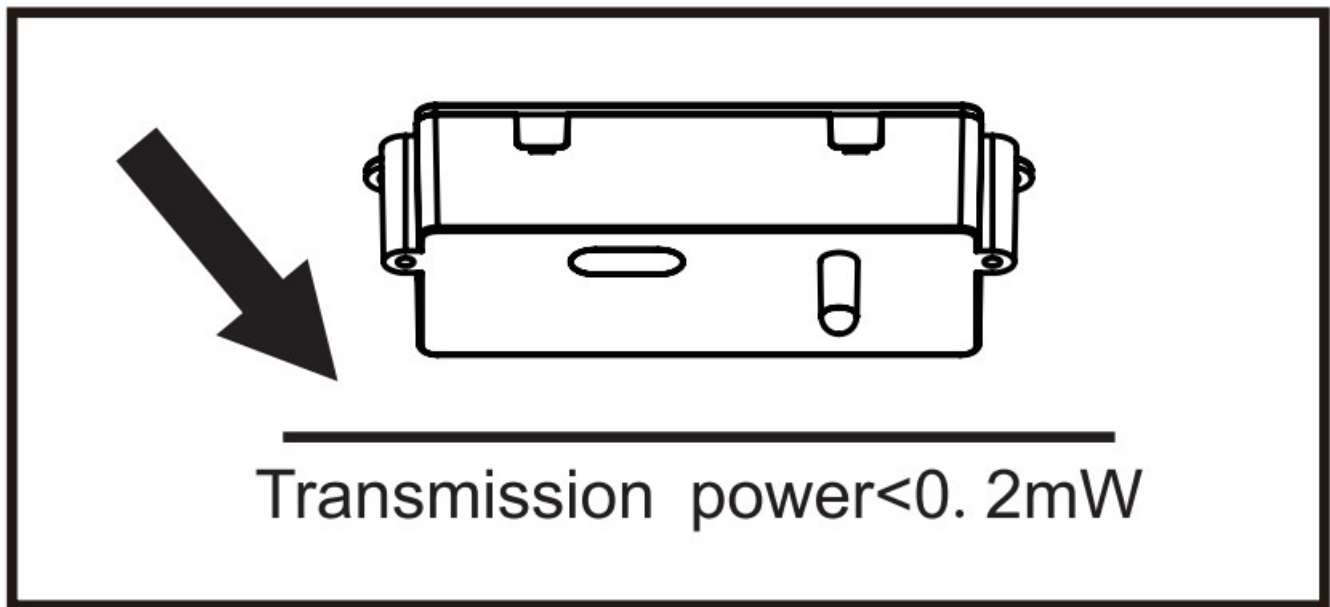
Once powering the device up, the BRI81-B-D will use factory default parameters to operate

⚠ **WARNING**

NOTE: Warm up time is 15seconds. After the sensor connects input power first time. the light will keep on 15seconds.then go to dimming to work normally.

NOTE: Factory Default Setting: 100% sensitivity, Fold on time: tOseconds, Daylight sensor Is 30Ita. Dimming leve1:30%.Dimming time: 60minitues.

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

UTILIZING FIELD AND INTRODUCTION

BRI810-B-D 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), BRI810-13 adopts a microwave sensor(high-frequency output<0.2mW), so that it is safe and performs better than infrared sensor.

FUNCTION AND OPTIONS

The microwave sensor to achieve tri-level dimming control, for same areas that require a light change notice before switch off.

If offers 3 levels of the light Control : 100%–dimming light (0,10%,30%,50%)–oftand 2 periods of selectable waiting time: motion hold-time and stand-by time. Selectable daylight threshold and choice of detection area. With suf fcient natural light, the tight does not switch on when presence detected.

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

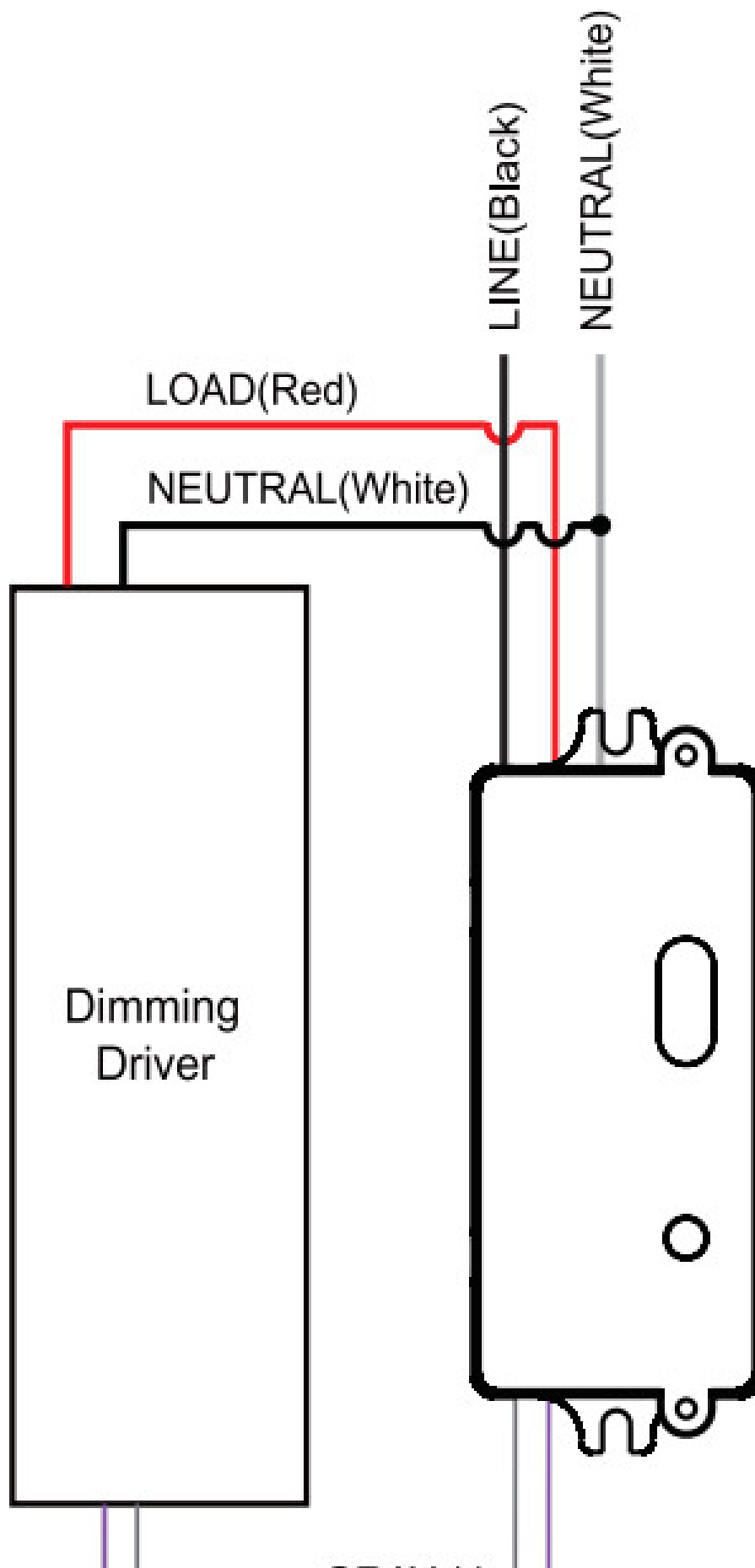People left, light still dims to 0%|30%|50% (options) standby level after the hold time.

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

WIRING DIAGRAMS
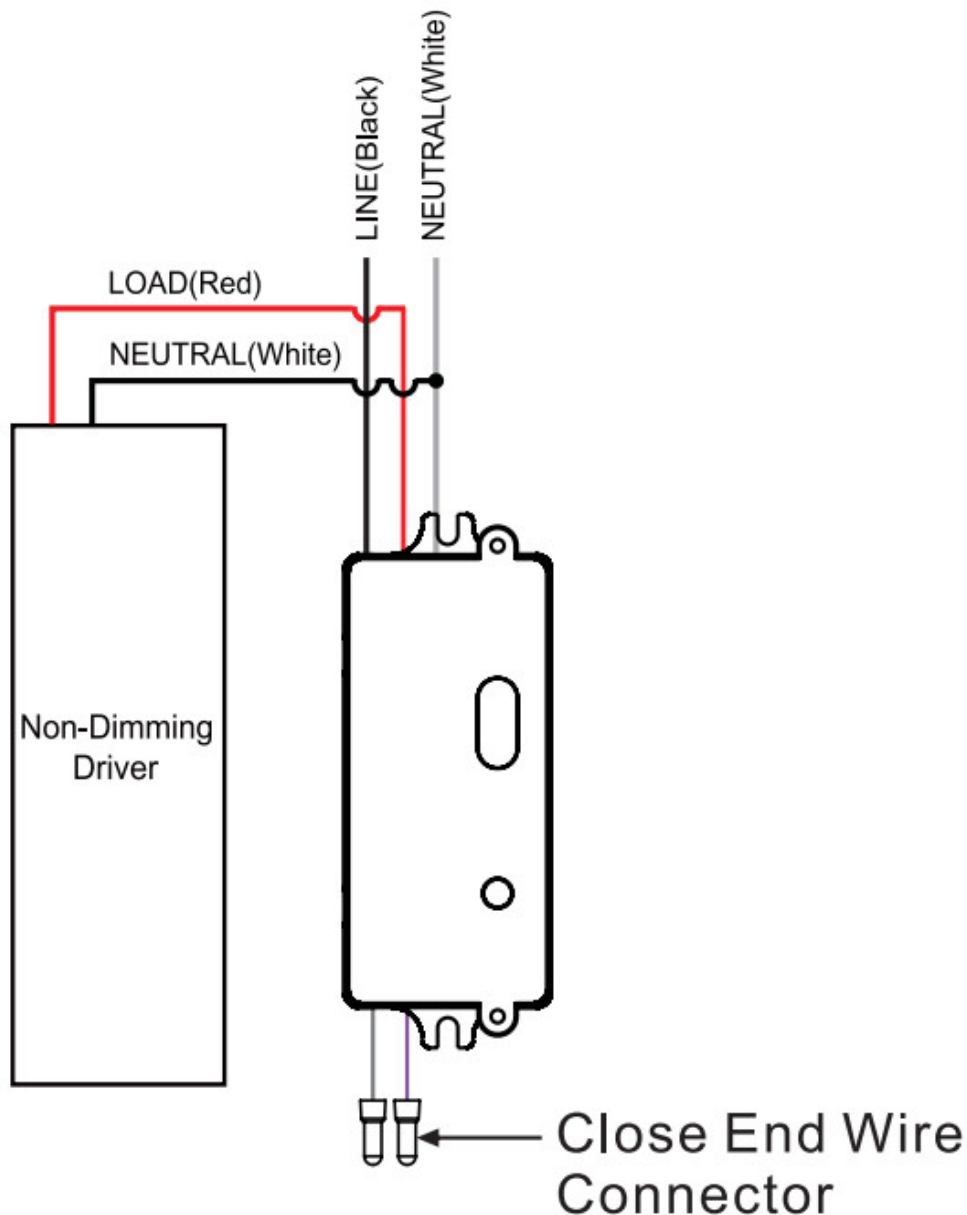
Wiring with dimming ballast or LED driver.

Dimming Driver

LINE(Black)

NEUTRAL(White)

LOAD(Red)

NEUTRAL(White)

Dimming
Driver

GRAY (-)

VIOLET (+)

Wiring with non-dimming ballast or LED driver.

Non-Dimming Driver


Close End Wire Connector

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 ;
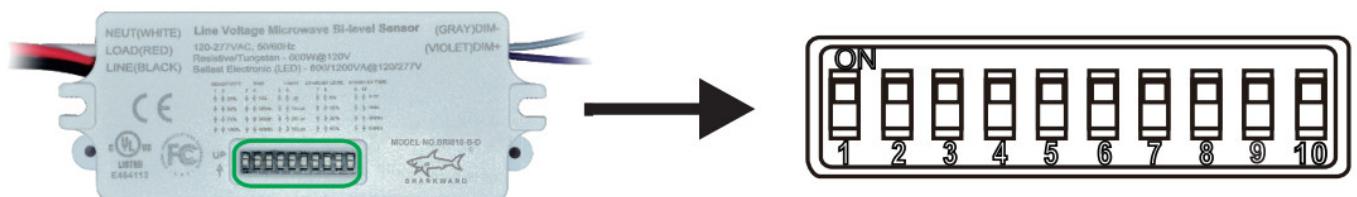

Detection Range Setting (sensitivity)

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	
↓	↓	20%
↓	↑	50%
↑	↓	75%
↑	↑	100%

ON

OFF

SENSITIVITY:1, 2
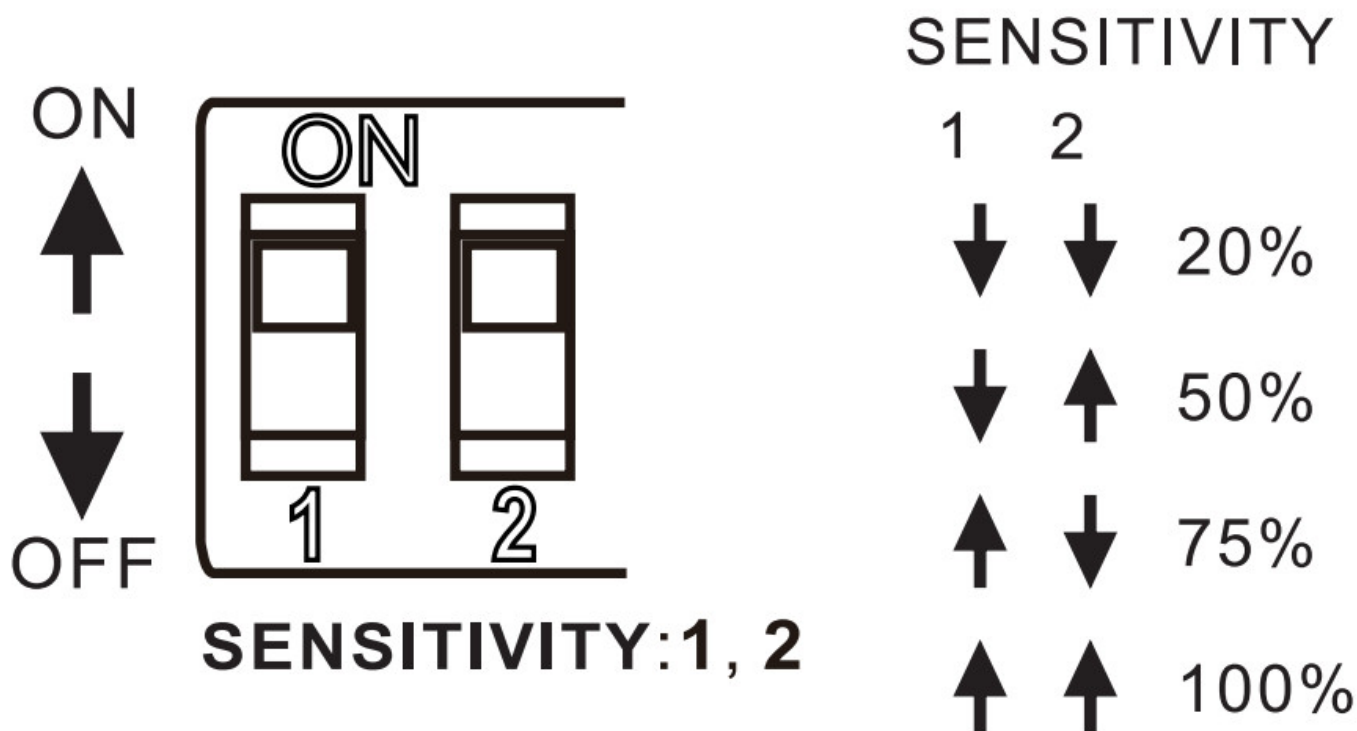
Hold Time Setting

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 "↑" is pull switch to the OFF position as "↓", switch location and hold time of the corresponding table is as follows:

TIME

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

ON

OFF

TIME:3, 4
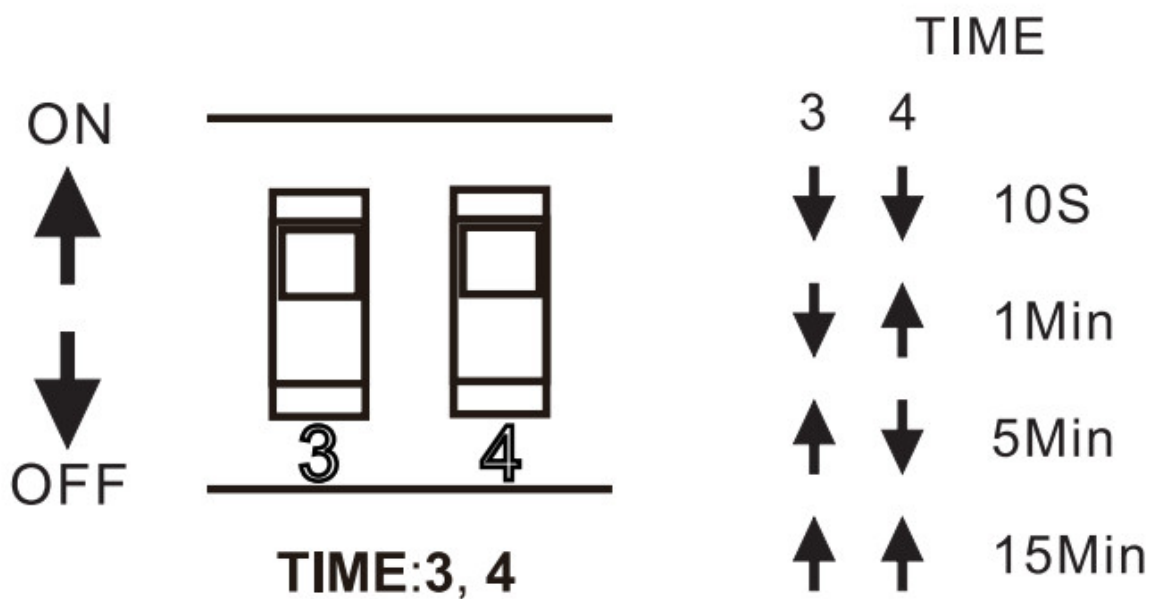
Light-control Setting

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 sensor disable)
↓	↑	10Lux
↑	↓	30Lux
↑	↑	50Lux

LIGHT:5, 6
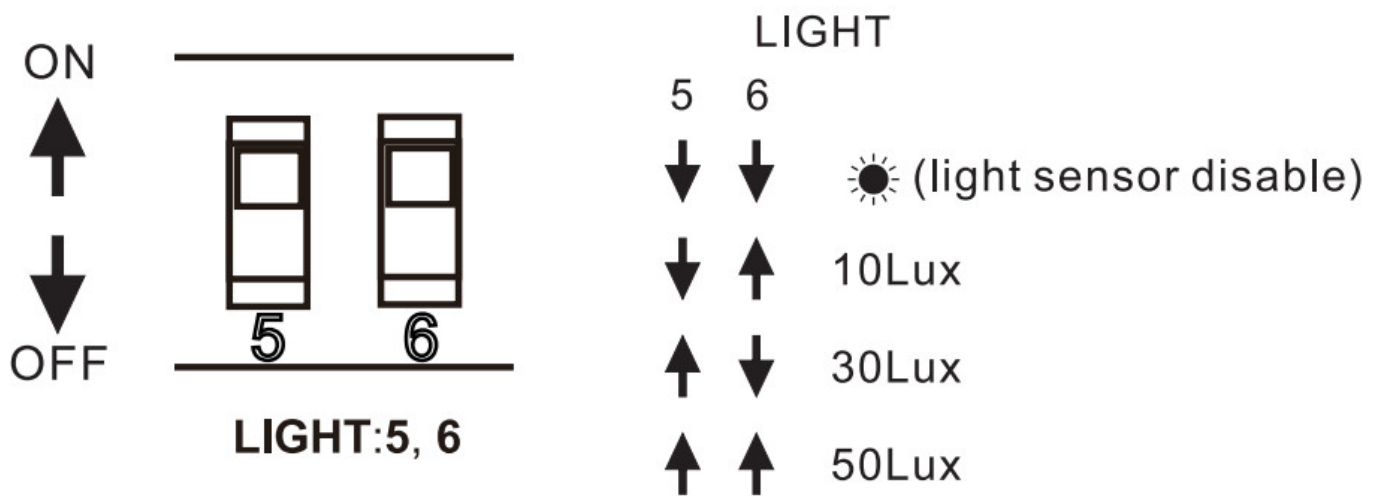
Stand-by Light Level Setting

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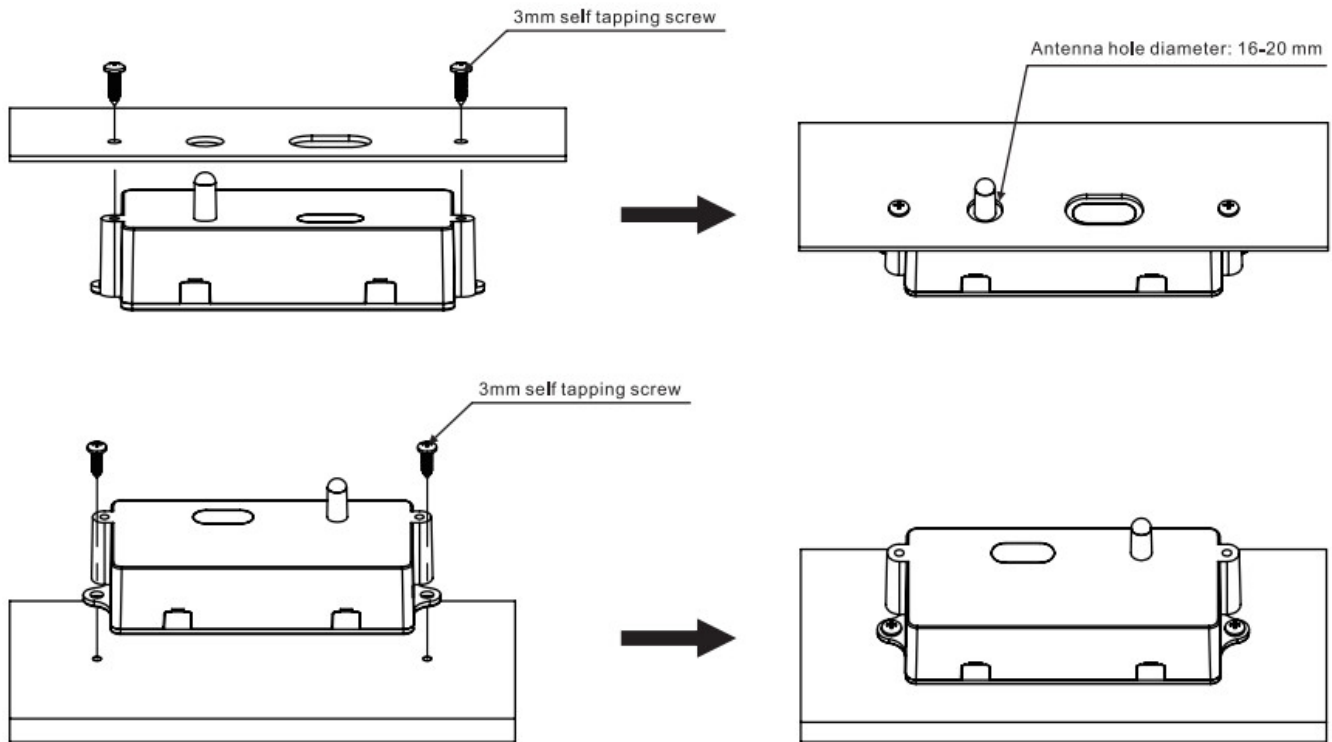

STAND-BY LEVEL

7	8	
↓	↓	0%
↓	↑	10%
↑	↓	30%
↑	↑	50%

STAND-BY LEVEL:7, 8
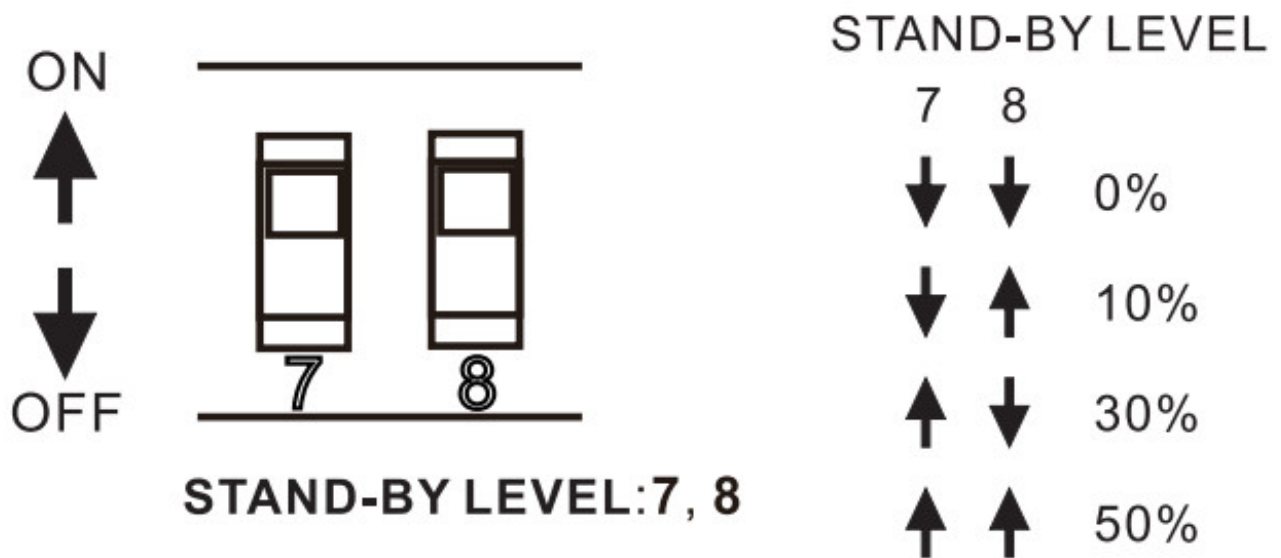
Stand-by Time Setting

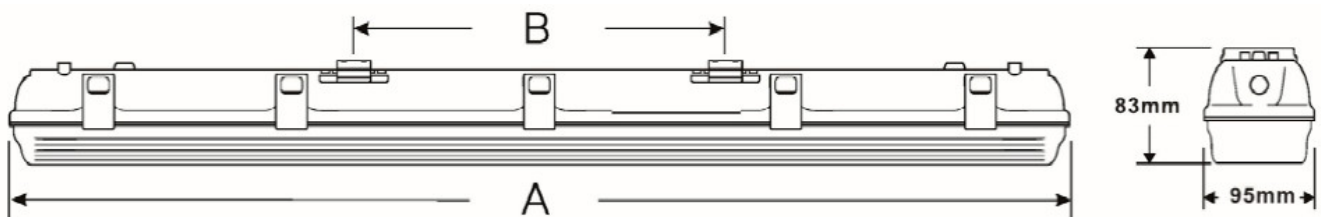Switch to the on is "↑". switch to the off is "↓";File of switch location and stand-by time setting as follow:

STAND-BY TIME

9	10	
↓	↓	+∞
↓	↑	1Min
↑	↓	30Min
↑	↑	60Min

STAND-BY TIME:9, 10
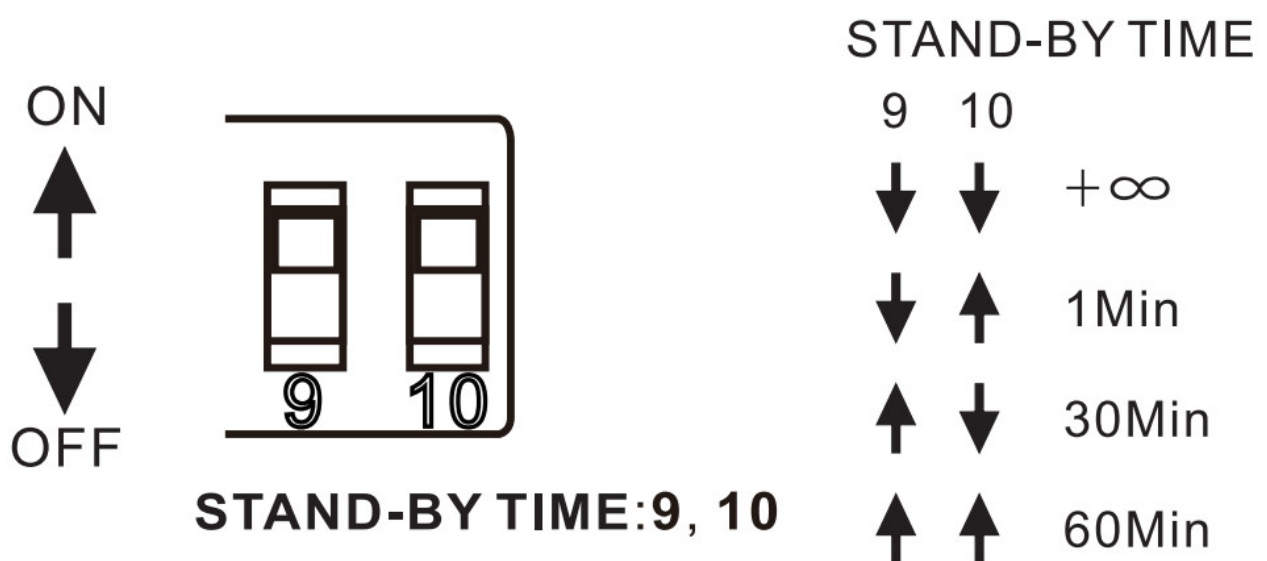
PARAMETER SETTING BY REMOTE CONTROL IN MANUAL OF RC-100.

INSTALLATION

HWDP IP66 IK08

Dimensions

Reference	A	B
HWOP-*06	600mm	300-320mm
HWDP-*2	1200mm	840-860mm
HWOP-*5	1500rnm	1120-1140mm

Mounting:
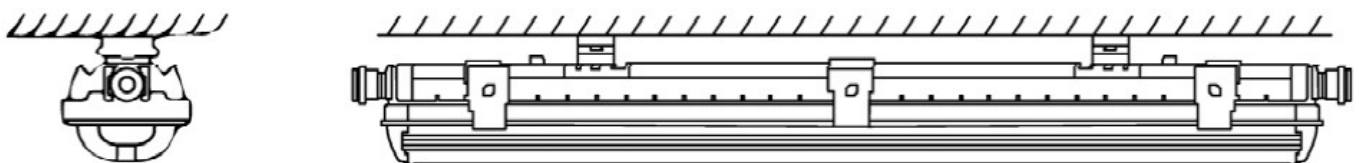
Drill the necessary holes in the ceiling for the mounting brackets, taking into account the distance between the mounting brackets. Open the stainless steel clips on the fixture. If necessary the LED plate with PC diffuser can be easily removed by means of a connector. Snap the base of the fixture into the mounting brackets and make the electrical connection.

Always use a suitable cable gland or seal for each cable entry to guarantee the IP value.

The device is only IP66 if the supplied M20 cable glands with rubber seal are used!

This fixture is suitable for an ambient temperature between -20 and – 45*C.

Devices with RF sensor:

Devices with RF motion sensor can be configured in two ways:

1. With the selector switches on the RF sensor
2. With a infra-red transmitter type INT-REMOTE (option) The universal transmitter offers the possibility to set up a series of luminaires quickly and easily.
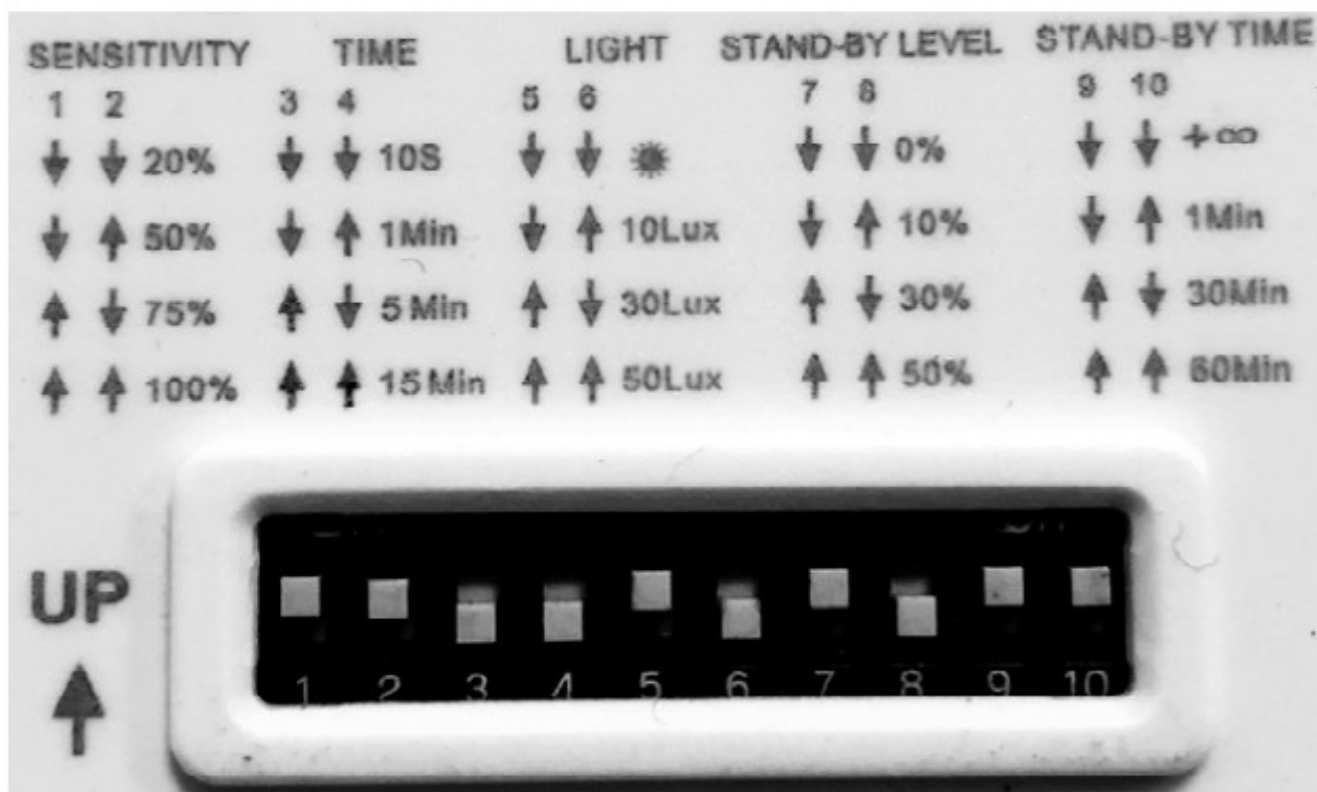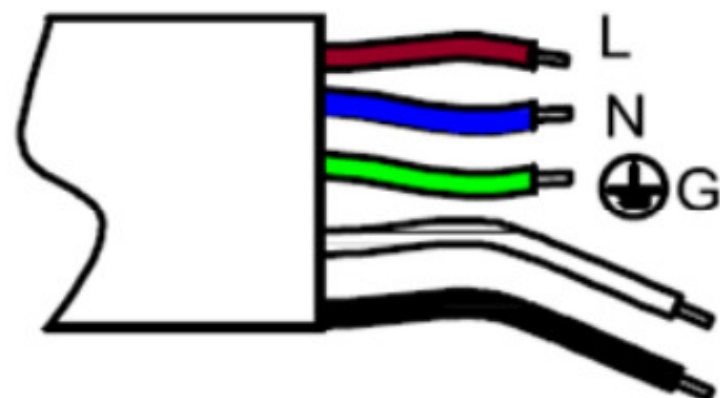

Electrical connection:

Standard

200~240VAC
Max. 5x2,5mm²
Brown – L
Blue – N
Yellow/green - G

L
N
G
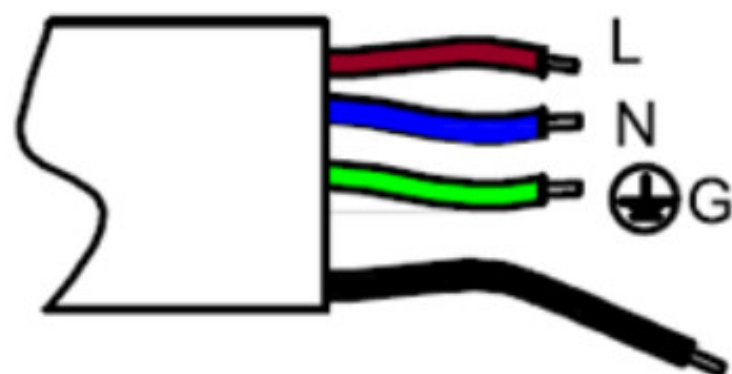
Dimming

Max. 5x2,5mm²
Brown – L
Blue – N
Yellow/green – G
Whit – DA1/DIM+
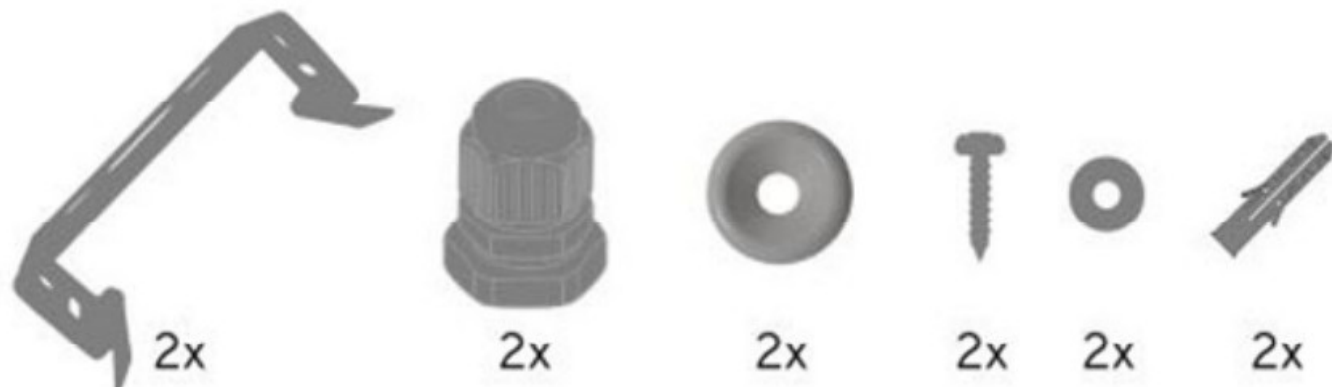Black – DA2/DIM-

L
N
G

With emergency unit

Max. 5x2,5mm²
Brown – L continu
Blue – N
Yellow/green – G
Black - switched

L
N
G

Included mounting accessories:

2x   2x   2x   2x   2x   2x

Possible options:

HWDP-SUS	Suspension set for HWDP 1.5 meter
INT-REMOTE	Remote for RF version
1-10y	Dimmable 1-10y
DALI	Dimmable DAL!
RF	With RF sensor
EMS	Emergency unit 3h autotest LiFePO batt.
EMSRF	With RF sensor and emergency unit 3h

Detection range for ceiling mounting

SENSOR COVERAGE

Installation height 2,5 ~ 3,6m — Detection range (Installation height 2,5m) — Detection angel
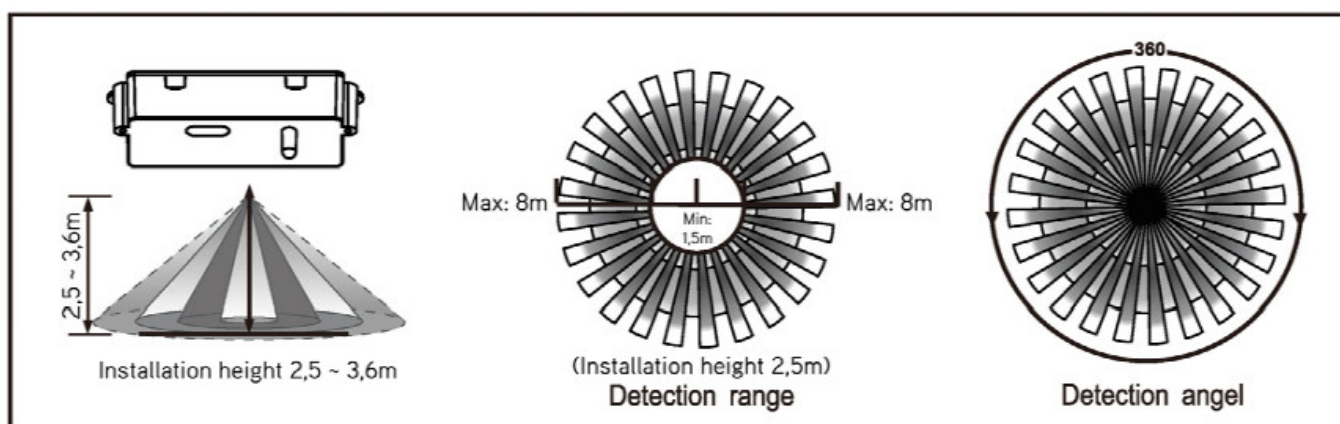
⚠ Installation and maintenance should always be done by qualified personnel. The light source of this fixture is not replaceable, the luminaire must be replaced at the end of its life.
Damaged devices in original packaging are exchanged under guarantee.
For outdoor applications, always use sturdy stainless steel studs and ensure firm anchoring.
The grounding must be correctly connected at all times to prevent safety problems.
Always check whether the correct connection voltage is present.
Used lamps

🗑 Always return old or defective LED fixtures to an appropriate collection point in accordance with the applicable regulations regarding environmental protection.
Used lamps can be deposited at a recycling point where they are accepted for free.
Proper use of equipment makes it possible to preserve valuable environmental resources and prevent negative consequences for health and the environment.
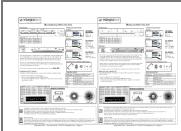
Documents / Resources

	integratech HWDP IP66 IK08 High Output [pdf] Instruction Manual HWDP IP66 IK08 High Output, HWDP IP66 IK08, High Output