

# Wiring Instruction for PIR sensor 86/226

for Area Lights 65/850 – 65/869



**Warning:** Turn off electrical power at the fuse or circuit breaker box before wiring the PIR motion sensor to the Area light.

Verify the input supply voltage is correct by comparing it with the motion sensor and Area Light label information.

**Note:** This PIR sensor does not require any additional power supply, the DC supply is provided by the fixture LED driver, Black/White (+) and Blue (-) the blue is not required and must be capped off.

**Step 1:** to integrate the PIR motion sensor; open the fixture wiring compartment door located underneath the fixture, and remove the two machine screws, **Fig 1.**

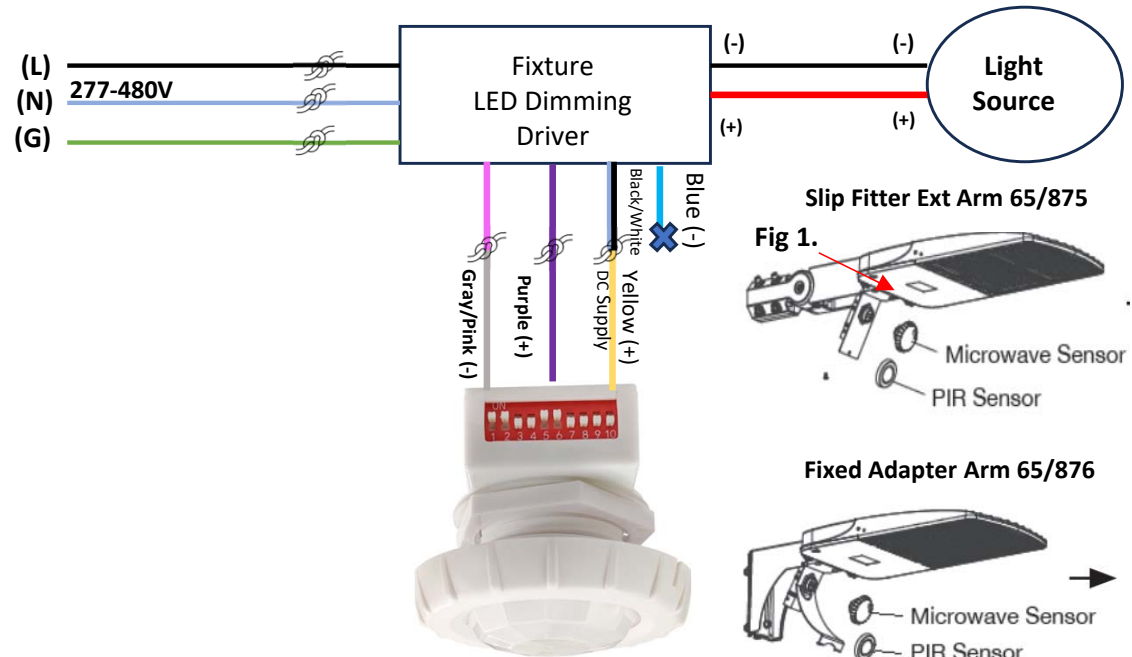
**Step 2.** Identify the two purple (+) and pink or gray (-) wires leading from the main input whip and disconnect from the fixture LED driver whip.

**Step 3.** Connect the grey wire leading out of the sensor to the pink or gray (-) wire leading out of the fixture LED driver whip.

**Step 4.** Connect the purple wire leading out of the sensor to the purple (+) wire leading out of the fixture LED driver whip.

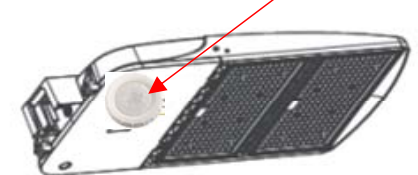
**Step 5.** Connect the DC supply black with a white strip to the yellow wire (+) leading out of the PIR sensor.

**Step 5.** Restore power at the fuse or circuit breaker box, now the installation is complete.



Power supply	12-24V DC
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle	30FT@40FT Height/360°
Mounting height	Max 40ft. @L3 Max 24ft. @L4
Remote range	50ft. (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40°F ~ +167°F (-40°C ~ +75°C)

Or mount directly to the fixture through the access door; It requires drilling out the marked KO inside the door (1-1/4")



# 86/226 PIR motion sensor settings:

## ■ Low Voltage PIR Fixture Integrated Outdoor Photo/Motion Sensor BRI619 Instruction

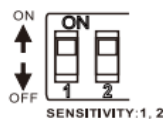
### PARAMETER SETTING BY DIP SWITCH

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 40ft(L3). 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:

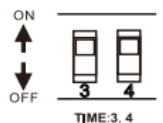


SENSITIVITY: 1, 2

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. movement detected before this time elapse will re-start the timer. It is recommended to select the short 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 detection range of the corresponding table is as follows:

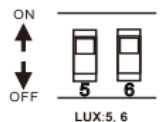


TIME: 3, 4

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:



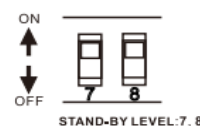
LUX: 5, 6

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

### Stand-by Light Level Setting

Switch to the on is "↑", switch to the off is "↓"; the corresponding file of switch location and detection distance as follow:

## ■ Low Voltage PIR Fixture Integrated Outdoor Photo/Motion Sensor BRI619 Instruction

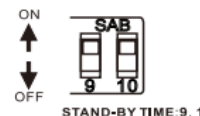


STAND-BY LEVEL: 7, 8

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

### Stand-by Time Setting

File of switch location and detection distance as follow: file of switch location and detection distance as follow:



STAND-BY TIME: 9, 10

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

