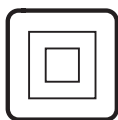


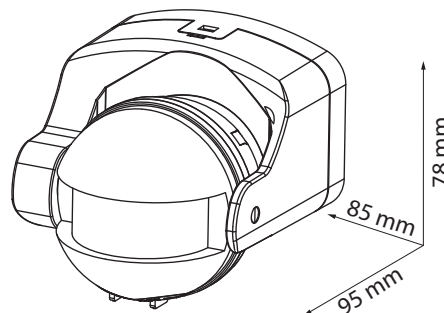
INSTRUCTION MANUAL



PIR Wall Black 89430

We are delighted that you have purchased this PIR detector. This detector is constructed and tested to IP44 and is suitable for outdoor use. Please read the instruction manual before installation and retain for future reference.

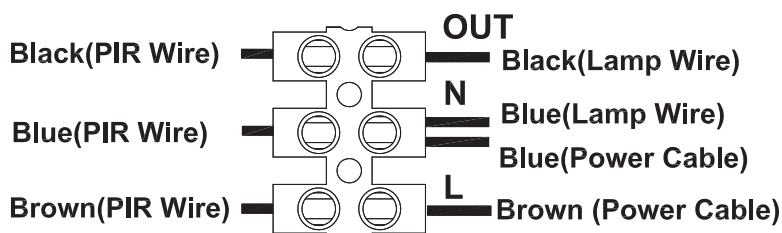
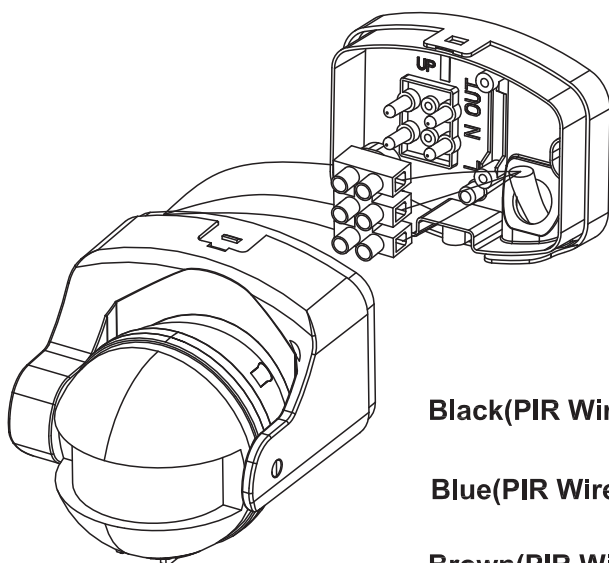
IMPORTANT: Never modify the 89430, there are no user serviceable parts inside. Not suitable for use with dimmer switches. Install in accordance with I.E.C. Wiring Regulations (Rigid Cable 0.75~1.50mm²). The 89430 SHOULD BE INSTALLED BY A QUALIFIED



■ POSITIONING THE UNIT

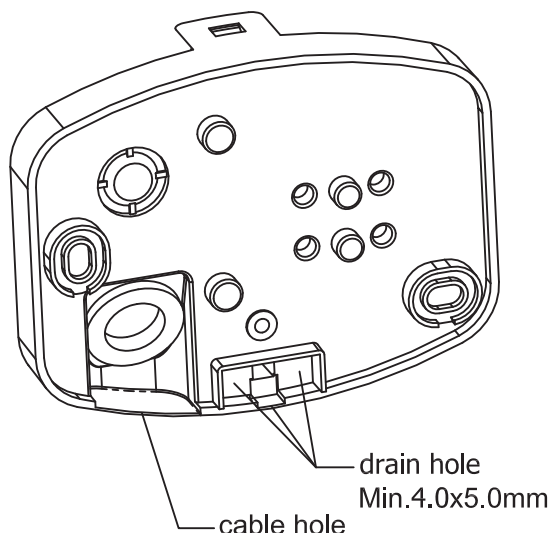
When selecting the mounting position, take into account the following points:

1. The sensor is designed for optimum performance when mounted 1.8-2.5 meters above ground level.
2. Avoid positioning close to trees or shrubs which may cause false triggering during wet, windy weather.
3. Avoid pointing at or positioning close to heat sources such as flues or heat extraction units, which may cause false triggering.
4. Avoid pointing at bright lights as unit will not function when you set Lux control level to dark (position)
5. Avoid mounting at strong electromagnetic disturbance, which may cause false triggering.
6. The sensor is most sensitive to movement across the detection area as opposed to directly towards or away from the unit. Position the unit to point across flow areas.



INSTRUCTION MANUAL

PIR Wall Black 89430



7. The hole is a reserved Leaking hole (Min. 4.0x5.0mm), if use the cable hole at the back plate, you can open it if necessary.
8. If use the cable hole at the side of the sensor, the leaking hole must be opened.

■ FITTING THE UNIT (Referring to the above figure)

Before commencing any electrical work, ensure mains supply cables are isolated by switching off and removing the relevant fuse.

1. Unscrew the screws①, remove the back plate and terminal block
2. Affix the back plate to the mounting surface with screw② (supplied)
3. Connecting the main power wires and "load" wires to the terminal block (see the relative symbols), the wires must pass through the rubber gasket.
4. Re-fit the terminal block and screws①

After finishing the fitting operation, you can adjust the detection area and working state of PIR sensor.

■ WALK TESTING:

When power is switched on to the 89430, the 89430 detector will enter into a "WARN-UP" period for approximately 30 seconds (within 1 minute) and then automatically change into "AUTO MODE". Whilst in the AUTO MODE, you can then carry out a Walk-Test by placing the LUX control to day position (*) and the TIME control to minimum (-). Once the 89430 sensor receives a valid trigger signal (such as movement of a human body) within its detection area, the lamp(s) (load) will be turned on for the pre-set period of time. You will be able to determine the detection area by walking slowly.

After completing the walk-test, set the LUX KNOB to the night position to ensure 89430 only operates at night and set TIME KNOB to the desired "ON" time.

INSTRUCTION MANUAL



PIR Wall Black 89430

ADJUSTING THE LUX CONTROL LEVEL:

The Lux control module has a built-in sensing device (CdS photocell) that detects daylight and darkness.

(*) position denotes that the lamp(s) (load) will be turned on by PIR during day and night.

(D) position denotes that the lamp(s) (load) will be turned on by PIR only at night.

You can set to operate the unit at the desired level by adjusting the LUX knob

ADJUSTING THE DURATION TIME:

The duration time is "the length of time that the 89430 switches the load 'on' after activation".

The duration time can be adjusted from (10±5) seconds to (4±1) minutes. Rotating the TIME knob from (+) to (-) will reduce the duration time.

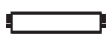
Note: Once the lamp(s) (load) has been triggered by the PIR sensor any subsequent detection will start the timed period again from the beginning.

■ TECHNICAL DETAILS

VOLTAGE:	220 - 240V ~ 50 Hz
WATTAGE:	Max. 1000W for incandescent lamps or Max. 300W for fluorescent or Max. 150W for LED
DETECTION ANGLE:	Approximately 180°
DETECTION DISTANCE:	Max. 12 meters
DURATION TIME:	(10±5) seconds up to (4±1) minutes adjustable
LUX CONTROL LEVEL:	From daylight to night adjustable
WATERPROOF:	IP44



Incandescent lamp



Fluorescent lamps



Micro-gap

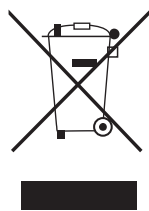


IP44 Protected

against harmful effects due to ingress of solid foreign objects of 1.0 mm diameter and greater and against splashing water



Suitable for direct mounting on non-combustible surfaces



When your light fitting comes to the end of its life or you choose to update or upgrade it by replacing it, please do not dispose of it with your normal household waste. Please recycle where facilities exist. When you need to dispose of this fitting, check with your retailer or local authority for suitable options. New regulations will encourage the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005).