



**BB3027**

## **270° PIR - FIXING INSTRUCTIONS**

Please read these instructions carefully prior to installation and retain them for future reference.

**If in doubt, we recommend you consult a qualified electrician.**

Our products should not be modified. If any modification is made, it will invalidate the warranty and may render the product unsafe.

### **FUSE VALUE**

This fitting can be connected to a lighting circuit protected by a 5A fuse or 6A residual current device. This product is only suitable for connection to 220 / 240V, 50 Hz supply and in accordance with I.E.E. wiring regulations, building regulations and is for domestic use only.

The correct cable must be used for wiring this fitting. We suggest that you use H05RN-F specification cable, which is an outdoor rubber sheathed cable and may be protected by running in plastic conduit. Alternatively if the cable will be in an area where it could become damaged, you should use special armoured cable, which protects against such damage. The cable used must have a minimum cross sectional area of 1.0mm<sup>2</sup>.

**BEFORE COMMENCING INSTALLATION ENSURE THE POWER SUPPLY IS SWITCHED OFF AT THE FUSE BOX AND FUSE IS REMOVED TO PREVENT ACCIDENTAL SWITCHING**

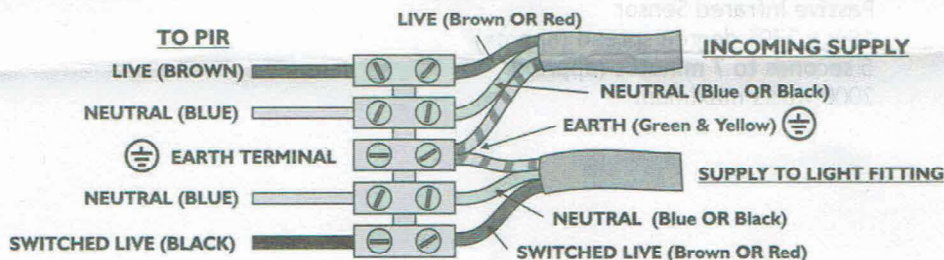
### **INSTALLATION LOCATION**

**NOTE THE HINGE FIXING ARMS ALLOW THIS UNIT TO BE FIXED ON A FLAT WALL OR A 90° CORNER**

- For best results, fix the PIR on a solid surface, 1.8 - 2Metres above the ground. (10MTR COVERAGE)
- A recommended location is under the house eaves.
- Avoid aiming the motion sensor at pools, heating vents or objects that may change temperature rapidly.
- Try to avoid pointing the unit at trees or shrubs or where passing pets may be detected.
- Prior to mounting, keep in mind that the motion sensor is most sensitive to the motion, which is across the detection field and less sensitive to the motion, which moves directly towards the detector

### **INSTALLATION / WIRING**

- Choose the desired installation location and mark the fixing points through the fixing holes on 'hinged' arms. This unit can be fixed to a corner by simply positioning the hinged arms to 90°.
- Pre drill the holes taking care not to damage any hidden pipes or cables. If fixing to a corner simply angle the 'hinged' arms.
- Remove the backplate from the PIR section by undoing the four securing screw on the back of the unit. Note two of the screws are inside the 'hinged' sections.
- Pass the incoming cable in through the rubber cable gland on the rear of the Backplate Bracket.
- Wire the unit as follows: (Ensure all wires are connected securely and that no loose strands are exposed)



- The incoming supply to the PIR and the supply to the first light fitting after the PIR should be in the correct terminal as indicated.
- Fasten the backplate back to the PIR Section, replacing all four screws and ensuring the rubber seal is in place.
- Fix the backplate bracket to the surface using suitable fixings / plugs for the surface.



## PIR ADJUSTMENT

On the base of the PIR there are two dials:



### TIME DIAL (TIME)

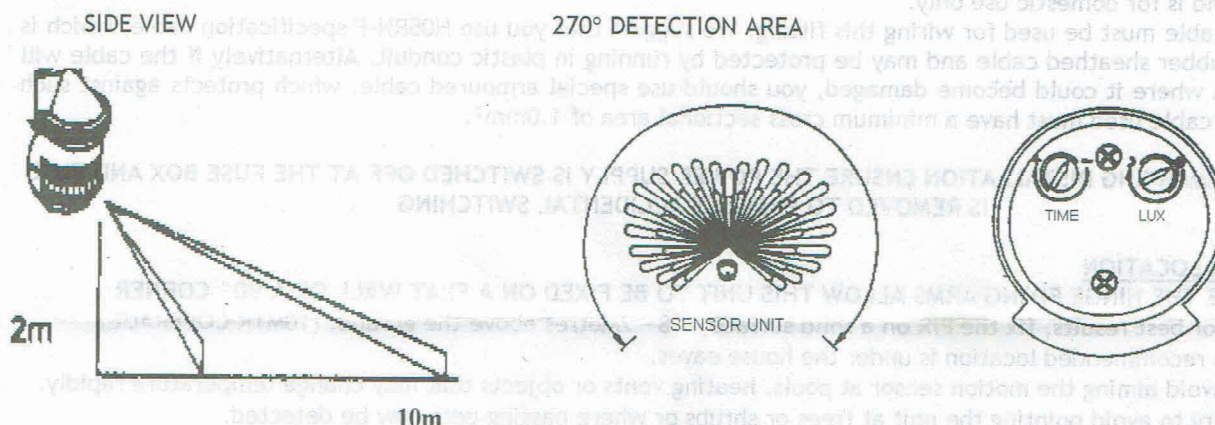
This dial controls how long the light will remain on once activated. It will operate from 5 Seconds to 7 Minutes approx. Turning the dial fully clockwise will set the unit to its longest time setting and fully anti-clockwise will set it at its shortest setting.

### DAYLIGHT ADJUSTMENT DIAL (LUX)

This dial sets the floodlight to be activated at different light levels. To set the light to activate only after dark, wait until dusk and turn the dial completely anti-clockwise. Slowly turn the dial clockwise until the light comes on. The light will now activate at the set light level.

### RANGE ADJUSTMENT

The PIR sensor is situated in a moveable joint. The sensor range can be adjusted by moving the PIR both vertically. (This is adjustable 90° to the horizontal)



### MANUAL OVERRIDE

To override the AUTO setting and switch to MANUAL, where the light will remain on permanently simply switch the light OFF then ON within two seconds. To return the unit to AUTO mode switch the light OFF then wait for fifteen seconds and switch the unit back on.

Note: If the unit remains on it may have gone into Manual Override mode, to return to auto detection mode see above.

Please be aware that PIR detectors are more sensitive to movement across them than they are to movement towards them. This should be considered when positioning during installation.

### SPECIFICATIONS

Detection Method:	Passive Infrared Sensor
Sensor Range:	10m x 270° degree spread (approx)
Time Adjustment:	5 seconds to 7 minutes (approx)
Load Rating:	2000 watts maximum

