

# NightHawk<sup>LED</sup>

## Low Energy LED Security Light

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

### IMPORTANT:

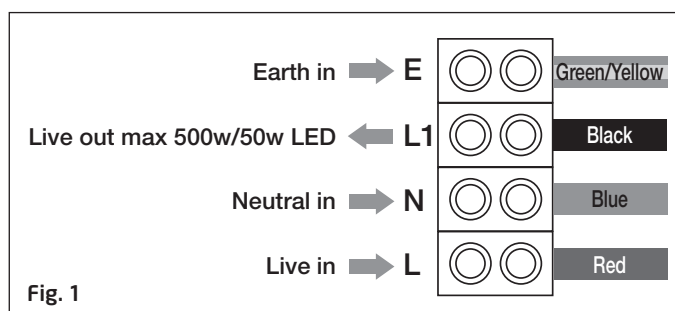
**MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN. LED LAMPS ARE EXTREMELY BRIGHT. UNDER NO CIRCUMSTANCES SHOULD YOU LOOK DIRECTLY INTO AN LED BEAM. DOING SO MAY CAUSE IRREPARABLE DAMAGE TO THE EYE**

### INSTALLATION LOCATION

- For best results, fix the floodlight on a solid surface, 1.8 - 2 Metres above the ground.
- Night Hawk is optimised to detect movement of people within range of its PIR, however to protect against nuisance triggering from other sources avoid aiming the motion sensor at water such as ponds or swimming pools, central heating vents or any objects that may change temperature rapidly. Also try to avoid pointing the unit at trees or shrubs or where passing animals may be detected.
- Keep in mind that PIR motion sensors are most sensitive to movement across the face of the detection field and less sensitive to a person moving directly towards the detector.
- The Night Hawk PIR head is adjustable in both vertical and horizontal axis.

### INSTALLATION / WIRING

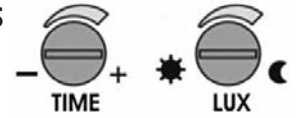
- Remove the back plate bracket by undoing the single securing screw on the base of the unit.
- Choose the desired installation location and mark the fixing points through the back plate bracket. Pre drill the holes taking care not to damage any hidden pipes or cables.
- Pass the incoming cable in through the angled hole and grommet within the back plate.
- Fix the back plate bracket to the surface using suitable fixings / plugs for the surface.
- Wiring to be completed as Fig.1



**IMPORTANT NOTE**  This product must be Earthed

### PIR ELECTRONIC ADJUSTMENTS

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 5 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 Night Hawk to be activated at different light levels. To set the light to activate only 'after dark' turn the dial completely anti-clockwise. Turning the dial clockwise will allow the unit to operate at varying stages from completely dark to full daylight. Should you wish the Night Hawk to begin operation at dusk or if other light sources such as light leakage from a window are in place please set the lux adjustment at some point between fully clockwise and anti-clockwise until correct activation is achieved.

#### MANUAL OVERRIDE

Nigh Hawk features an electronic override system . To switch Night Hawk to "manual on" mode switch the power supply off then on within three seconds. To return to "automatic on " mode switch off the power for 20 seconds and switch back on.

#### SPECIFICATIONS

Power source	220 - 240VAC/50Hz
Power consumption	12.7w (operational)
Detection method	Passive Infrared Sensor
Detector range	10M x 160 degree
Light output	1100 Lumens
Colour	5600K cool white
Time adjustment	5 seconds to 5 minutes
Maximum additional load	LED 50W - Halogen 500W
LED usage life	50,000 hours (65 years @ 2 hours/day)

#### LED LAMPS ARE NON REPLACEABLE

Do not attempt to access / maintain the LED's. They are non replaceable and any contact may damage the LED's.

#### OPTIONAL EXTRA NH150LED FLOODLIGHT

Up to 4 additional LED floodlight units can be controlled by a single NightHawk.



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