

intrutec

Mini PIRLite

LIGHT CONTROL SWITCH



INSTALLATION INSTRUCTIONS

Description

A unique miniature passive motion detector specially designed for energy management and security applications such as: garden light, greeting light, toilet light hotels, garage, parking etc. When darkness comes and the PIR detects far infrared energy being emitted from human body crossing the detection area the **Mini PIRLite** module activates the AC load (light) for predetermined duration (user's setting). The **Mini PIRLite** housed in a rigid plastic and designed to be operated in harsh environment.

Main Features

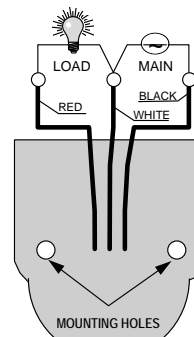
- * UNIQUE ASIC SIGNAL PROCCESSING
- * TEST MODE FUNCTION
- * LIGHT "ON" TIME ADJUSTMENT
- * SIMPLE WIRING & INSTALLATION
- * WEATHER-PROFF& COMPACT DESIGN
- * WIDE DETECTION ANGLE
- * ILLUMINATION INTENSITY CONTROL
- * OUTPUT RELAY FOR 500W LOADS

Mounting & Wiring

The **Mini PIRLite** comes with three flying wires, use the following diagram for connecting the unit:

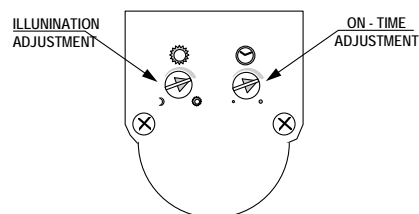
Black - Live (~)
White - Neutral (0)
Red - Load

The two upper holes at unit's top are for Mounting the **Mini PIRLite** Use two (2) 3mm dia. TBD screws separated at 31mm



Adjustments

Trimmer devices are located on bottom surface of the **Mini PIRLite** Use flat screwdriver for adjustments-use the following illustrations:

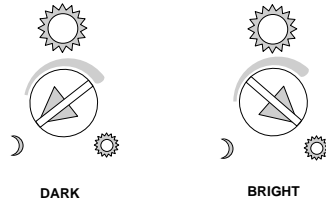


Auto Test

The Auto Test enables the installer to test the operation of the unit, light activation and range. As the AC voltage is connected to the **PIRLite** an automatic test is initiated for 180 seconds. At the first 30 sec the lamp is at ON to check wire connections and lamp operation. For the remaining 150 Sec. the **PIRLite** activates the load (light) for aprox. 4 sec for each detection of human motion. During the Auto Test the light sensitive device is disabled. After test completion the **PIRLite** is ready for use.

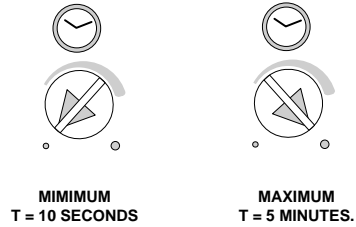
Background illumination

Use the following illustration to adjust Illumination condition



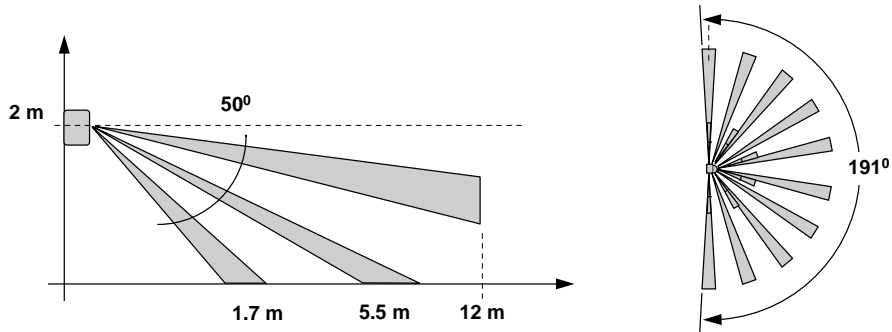
Time Duration

Use the following illustration to adjust light "ON TIME" The AC load activation (period) re-starts every time a human body is detected. Therefore, the AC load's activation period only ends after the pre-adjusted time is over. This occurs following final detection of a human body (Re-trigger mode).



Coverage & Lens pattern

The **Mini PIRlite** designed to cover a very large detection area as 180° in the horizontal plane and 50° in the vertical plane. This unique wide-range Fresnel lens



Technical Specifications

LOAD ACTIVATION TYPE	RELAY
POWER SUPPLY	50Hz - 60Hz
ADAPTABLE AC LOAD	Incandescent Lamp including Halogen \approx 500W (240V AC) Fluorescent Lamp \approx 100W (240V AC)
POWER CONSUMPTION	1.0W
ON-TIME	Approx. 10 \approx 300seconds
AMBIENT LIGHT INTENSITY	Approx. 5 \approx 120 LUX
DETECTION DISTANCE	Approx 12 m (Frontal Direction)
DETECTABLE	
MOVEMENT SPEED	0.6 m/s \approx 1.5 m/s
TESTING MODE TIME (CdS DEFEAT TIME)	180 seconds
DETECTING TIME	
DURING TESTING	4 seconds (After Each Detection)
MODE TIME	
OPERATING TEMPERATURE	-20°C \approx 40°C
OPERATING HUMIDITY	MAX. 95% RH

*The supplier reserves the rights to change specifications
without prior notice*

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