TIMEGUARD®	SLB2301	**2000W PIR Light Controller Black**
	SLW2301	**2000W PIR Light Controller White**

Features

- PIR sensor with override function
- Dusk-to-Dawn (Photocell) Mode with the load coming on at dusk and going off at dawn (disabling the PIR function)
- Lux learn setting with the PIR learning the ambient light level that is required for the load to switch on
- Push fit Terminals for easy fitting

Safety Instructions

1. These instructions should be read carefully and retained after installation for future reference and maintenance
2. Ensure that the mains power is isolated before carrying out installation or maintenance
3. Check that the total load on the circuit and this PIR does not exceed the rating of the circuit cable, fuse or circuit breaker
4. Please note the IP (Ingress Protection) rating of this product when deciding the location for installation
5. This product must be installed in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and current Building Regulations. If in any doubt, consult a qualified electrician

Environmental Instructions

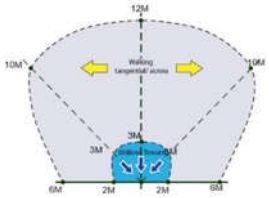
This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment should never be disposed of with general household waste but must be separated for its correct treatment and recovery. Where possible recycle your packaging.

Installation Instructions

INSTALLATION

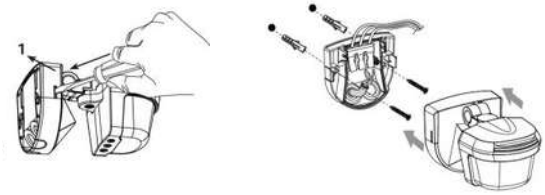
Read instructions and check you have all the tools and accessories to complete the installation safely and in compliance with current electrical standards

Position the PIR so that movement is generally detected across the detection pattern, not towards the sensor



1. Remove the back plate from the PIR sensor by inserting a flat bladed screwdriver (see Fig. 1)
2. Mark the position of the fitting holes. Drill the holes. Insert the rawl plugs into the holes
3. Pass the supply & load cable through the cable entry point on the back plate, ensuring the grommet(s) is used to maintain the IP rating of the PIR sensor
4. Fix the back plate to the wall. Take care not to over-tighten the screws to prevent damage to the back plate. If using a power screwdriver, use the lowest torque setting
5. Terminate the cable into the terminal block ensuring correct polarity is observed and that all bare conductors are sleeved (see below details on connection)

Fig. 1



CONNECTION

Connect the mains supply cable to the terminal block on the back plate as follows (see Fig. 2):

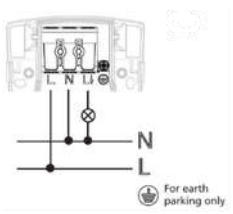
NEUTRAL (Blue) N, LIVE (Brown) L, EARTH (Green/Yellow)

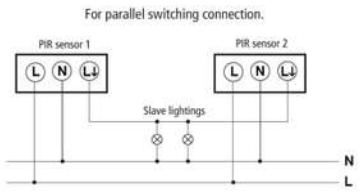
Connect the cable from the lighting load to the terminal block on the backplate as follows.

NEUTRAL (Blue) N, SWITCH LIVE (Brown) (L↓), EARTH (Green/Yellow)

Ensure all connections are secure. Line the unit up with the back plate, apply pressure to both sides of the unit until both catches click into place to ensure a weatherproof seal.

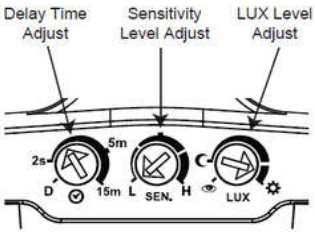
Fig. 2





SENSOR SETTINGS

A small flat headed screwdriver is required to adjust the dials.



Timer

The timer can be set from 2 seconds to 15 minutes or switched to 'D' mode which puts the timer into photocell mode from dusk to where the lux levels are set at dawn.

Sensitivity

The default setting is set to H (High up to 12m) and can be adjusted to L (low to 6m)

Lux
The lux light level can be set from 20 Lux to 1000 Lux with the moon symbol being the lowest level and the sun is the highest

Lux Learn mode:
The sensor can be set to come on at a different level of darkness, for example when it is a little lighter outside, then simply turn the knob to "Eye" symbol and it will remember the current light level and become active at this light level from now on

During Warm-up Period
When power is initially switched on, the Light Load will remain ON for 45s until the warm-up is completed, the unit then switch to Auto Mode

Walk Test Procedure
To start walk test, set the Time indicator to "2s" and Lux indicator to "Sun". The unit will now operate during daytime as well as at night, illuminating the lamp for approx. 2 seconds each time. This allows testing to be carried out to establish the best position for the sensor. The lamp will immediately illuminate as the unit goes through its warm-up period. After approximately 45 seconds the lamp will extinguish. Try to remain outside the detection area during the warm-up period.

Manual Override
- To activate the manual override switch, switch the light OFF/ON once within 2 seconds and the light will remain on for six hours or until switched back into sensor mode by switching OFF/ON again

Sensor Lens Masking
To reduce the sensor coverage, preventing detection in unwanted areas, mask the sensor lens using the lens mask sticker supplied (see Fig. 3)

The top section of the lens covers long range detection, the bottom covers short range. Similarly, the left and right lens sections cover the left and right detection area respectively

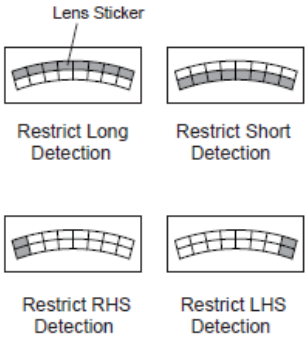


Fig. 3

Detector Head Adjustment
The detector head can be panned 45˚ to the right and 45˚ to the left. It also can be tilted down 30˚ when mounted on a vertical surface

Maintenance Instructions

- There are no serviceable parts in this fitting
- Clean the external surfaces with a damp cloth using a mild solution of detergent and warm water only, do not use aggressive cleaning products or solvents which may damage the product
- Do not use any source of high-pressure washers to maintain or clean this luminaire

Specification

Input Voltage	230VAC 50Hz	Detection Angle	180°
Time on Duration	2 seconds to 15 minutes	Operating temperature	-20°C to +50°C
IP Rating	IP65	Linkable	Yes (see Max. load)
Maximum load	Halogen - 2000W CFL - 200W Fluorescent – 400W LED (PF>0.9) 400W	Detection Range	Up to 12m at 2.5m mounting height
		Dusk Level Adjustment	Lux learn mode, Day & Night or Night time only operation
Lux Levels	2-1000 Lux		

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