

3000W MULTI PIR OUTDOOR SECURITY LIGHT CONTROLLER

SL077-Black



INSTALLATION & OPERATING
INSTRUCTIONS

SECTION ONE

GENERAL INFORMATION

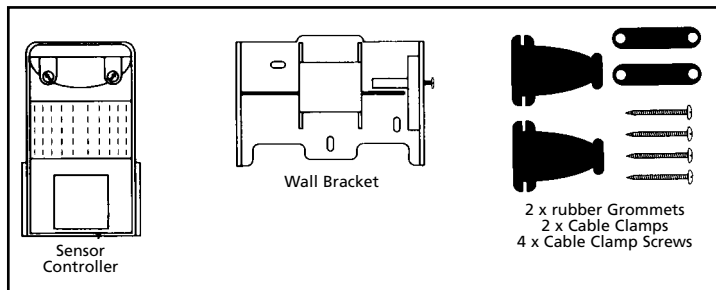
The 3000W Multi-PIR Outdoor Security Light Controller is a fully automatic unit incorporating a passive infra-red sensor detector. After dusk if anyone enters the detection area the unit will switch on your light(s) for up to 5 minutes (user adjustable) providing a welcome for visitors or a warning to intruders.

The controller has an adjustable detection range of up to 15 metres (by angling SL077 downwards) and has a 180° detection area. Up to 3000W (total) of new or existing lighting (see specification) can be controlled and a manual ON/OFF override also enables lights to remain permanently ON.

INSTALLATION SHOULD BE CARRIED OUT BY A COMPETENT DIY PERSON. IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN. PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE COMMENCING WORK.

SECTION TWO

PACK CONTENTS



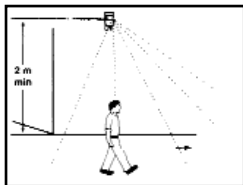
Note: Wall mounting fixing screws and wallplugs for the sensor controller wall bracket are not supplied.

Use: 2 x No. 8 screws (min 25mm) and suitable wallplugs if required.

SECTION THREE

SITING

The Outdoor Security Light Controller is more sensitive to movement of people past the detector rather than the movement directly towards or away from it.



FALSE ALARMS

It may also respond to cars, animals, central heating flues, cold moving objects against a warmer background (eg swaying trees in front of a warm wall).

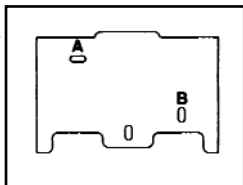
FIXING SENSOR CONTROLLER TO WALL

Using the wall bracket as a template locate and mark fixing holes A and B.

Drill holes and fix wall bracket to wall using 2 x No. 8 screws and wallplugs at least 25mm long (not supplied).

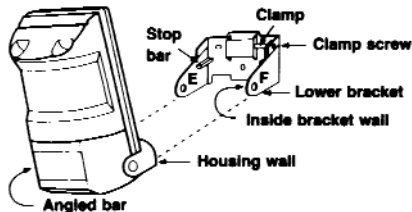
Holding the sensor controller upright, line up with side wall bracket holes E and F and snap the sensor controller into the wall bracket, making sure the sensor controller housing wall on the right fits between the clamp and inside bracket wall and the angled bar on the left is below the stop bar.

Tighten clamp screw temporarily.



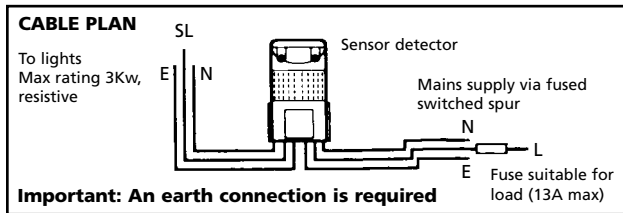
SENSOR CONTROLLER

WALL BRACKET



SECTION FOUR

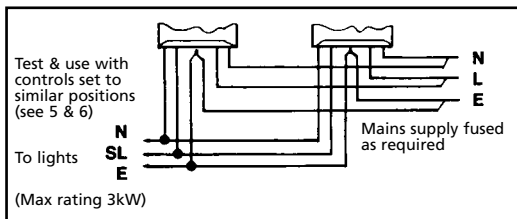
INSTALLING THE CABLE



TWO OR MORE SL077'S - PARALLEL INSTALLATION

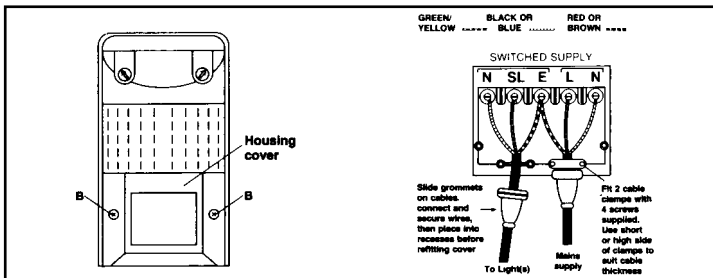
Two or more SL077's may be wired in parallel. Cables and junction boxes (if used) must be rated to carry full load.

Test & use with controls on all SL077's set to similar positions (see 5 & 6)



WIRING SENSOR CONTROLLER HOUSING

Loosen housing screws 'B' and remove housing cover.

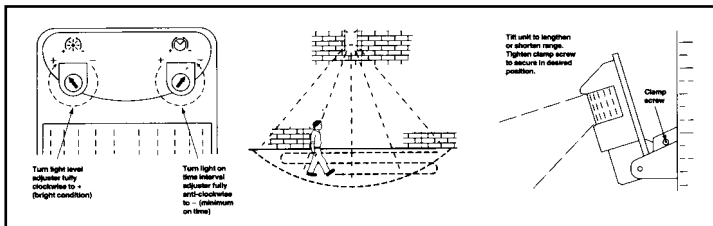


Slide rubber grommets (supplied) onto both cables and wire as shown above.
Replace and secure housing cover.

SECTION FIVE WALK TESTING

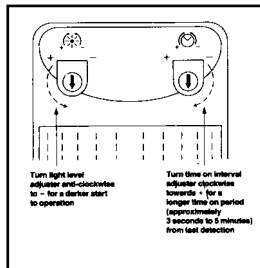
First turn the light level adjuster fully clockwise to bright (+) and light on time interval adjuster fully anti-clockwise to minimum (-) as shown.

Switch on mains and walk across unit to establish extent of coverage. Reduce forward range by tilting downwards as shown below. Refer also to Horizontal Detection Range (section 8).



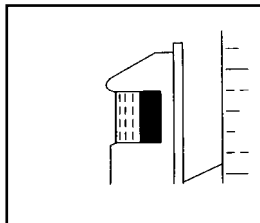
SECTION SIX LIGHT LEVEL AND TIME ON CONTROLS

After walk testing turn the light level setting to a dusk position. Wait for the light(s) to switch off and then adjust the time on interval.



SECTION SEVEN DETECTION AREA MASKING

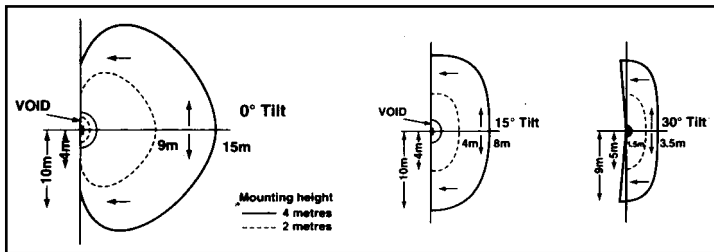
The detection angle area may be reduced by masking the lens with adhesive PVC tape cut to required width.



SECTION EIGHT

HORIZONTAL DETECTION RANGE

Diagrams show typical range. Actual range may vary due to temperature and environmental conditions.



SECTION NINE

PERMANENT ON/OFF (LATCH MODE)

To turn light(s) permanently ON – turn the wall switch OFF and ON again within 4-6 seconds. The sensor controller's internal switch will latch and the light(s) will remain permanently ON. To switch the light(s) OFF (de-latch) – turn the wall switch OFF and leave OFF for 30 seconds - turn ON again and the sensor controller will revert back to passive infra-red detection mode.

SECTION TEN

POINTS TO REMEMBER

- Installation should be carried out by a competent DIY person. If in doubt consult a qualified electrician.
- The electricity supply must be disconnected whilst carrying out the installation.
- **An earth connection need only be made when the luminaire(s) under control require it.**
- Set light level/time controls as shown under section heading.
- In normal use a built-in sensor prevents daylight operation unless light adjuster is set to + position or the permanent ON/OFF mode is selected (see section 9).
- False alarms may occur (see section 3).
- The sensor controller is more sensitive to movement across the detector rather than directly towards or away from it.

SECTION ELEVEN

SPECIFICATION

Supply voltage:	230V ~ 50Hz.
Power consumption:	5VA Lamps off.
Maximum load:	Maximum 3000W halogen or tungsten filament, 500W fluorescent or low energy. NOT SUITABLE FOR DISCHARGE LIGHTING.
Light-on time:	Walk test: 3 seconds. Operation: adjustable from 5 seconds to 5 minutes approx. Timing interval starts from last detection.
Detection coverage:	See horizontal Detection Range (section 8).
Protection rating:	IP54.
Operating Temp:	-20°C to +50°C.
Conforms to:	73/23/EEC & 89/336/EEC

5 YEAR

GUARANTEE

In the unlikely event of this product becoming faulty due to defective material or manufacture, within 5 years of the date of purchase, please return it to your supplier with proof of purchase and it will be replaced free of charge.

Should you encounter any difficulty please contact our helpline on 020 8450 0515.

FIVE YEAR

GUARANTEE

Helpline
020-8450-0515



For a product brochure please contact:

Timeguard Ltd.
Victory Park, 400 Edgware Road,
London NW2 6ND
or email csc@timeguard.com