



THE TOOL COMPANY

# 150 WATT HALOGEN LAMP WITH P.I.R. MOVEMENT SENSOR

■ STOCK No.57654

■ PART No.HL150W-PIR

## •INSTRUCTIONS•

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS  
CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS LIGHT UNIT



CE

09/2001



# DECLARATION OF CONFORMITY

We

Draper Tools Ltd. Hursley Road, Chandlers Ford, Eastleigh, Hampshire. SO53 1YF. England.

Declare under our sole responsibility that the product:

**Stock No:-**57654      **Part No:-**HL150W-PIR

**Description:-** Halogen lamp

To which this declaration relates is in conformity with the following directive(s):- 73/23/EEC, 93/68/EEC &89/336/EEC

With reference to:- EN60598-1:1997, EN60598-2-4:1998, EN55015:1993, EN61000-3-2:1995, EN61000-3-3:1995, & EN61547:1995

JOHN DRAPER  
Managing Director

06/99



# SPECIFICATION

Whilst every effort has been made to ensure that the accuracy of information given in this booklet is correct at time of going to print, the Draper Tools policy of continuous improvement determines the right to change specification without notice.

Voltage .....230V A.C. /50Hz.  
Range .....up to 12M  
Coverage range .....110-120°  
Maximum load rating.....150W



# INSTALLATION

**CAUTION:** We recommend this lamp is installed by a qualified electrician. Switch off main power supply before installation.

### FITTING HALOGEN BULBS

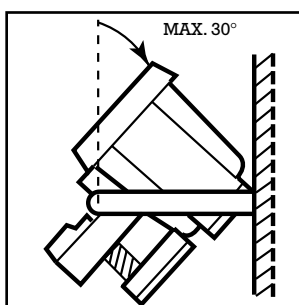
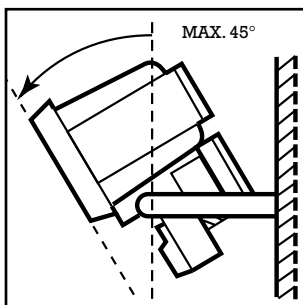
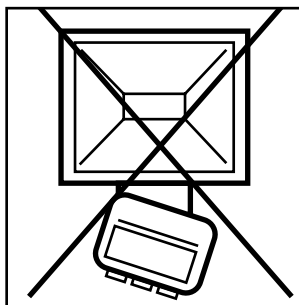
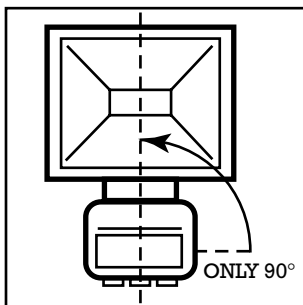
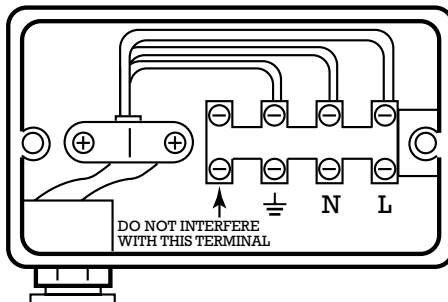
1. Unscrew the glass lens holder retaining screw and open carefully.
2. Place the halogen bulb into the sockets at each end. **Do not touch or hold the bulb, only use the end caps.**
3. Ensure waterproof seal is fitted correctly, close the glass lens holder and tighten the retaining screw securely.

# INSTALLATION Cont'd.

## WIRING THE LAMP

(Brown=Live, Blue=Neutral, Green/Yellow=Earth)

1. Open terminal box cover and remove cable clamp.
2. Undo cable clamp nut and remove rubber sealing ring.
3. Thread correct size power cable (not supplied) through inlet screw and sealing ring.
4. Insert the ends of the cables into their relevant terminals.
5. Replace the cable clamp and terminal box cover, as well as tightening the inlet screw securely.



## MOUNTING THE LAMP

The lamp can be securely fixed to mount horizontal surfaces by using the holes provided in the support bracket. The angle of the lamp can be adjusted to suit by loosening the support bracket bolts.



# OPERATION

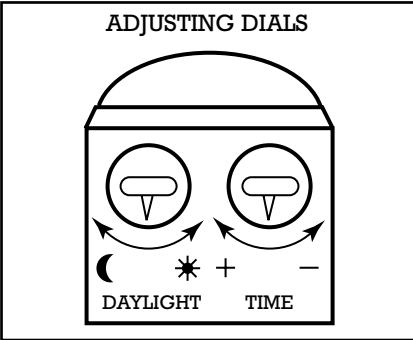
The detector unit is equipped with two adjustable dials.

### TIME ADJUSTMENT

This dial will adjust amount of time the lamp will remain illuminated after detection of movement. The time delay is adjustable from six seconds to ten minutes. Turn the dial clockwise to increase the lighting time, or anticlockwise to decrease it.

### DAYLIGHT ADJUSTMENT

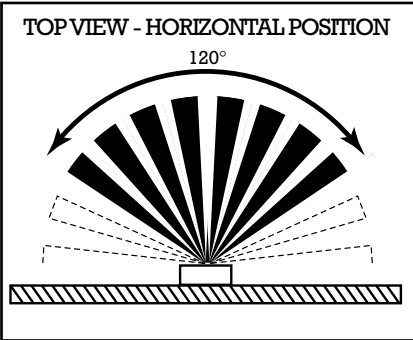
This dial will adjust the light level of the infra-red detector unit so that the lamp will be activated at dawn dusk or night, etc. Turn the dial clockwise to increase the light level, or anticlockwise to decrease it.



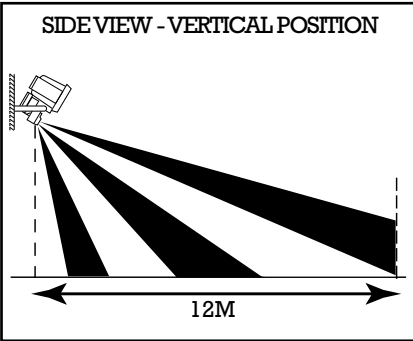
# FIELD OF DETECTION

The field of detection for the infra-red lamp can be adjusted to a maximum of 30° in the horizontal position and 30° in the vertical position. The benefit of this feature excludes any false detections from neighbouring areas.

The horizontal position has a permanent 120° field of detection which can be directed to the left or right.

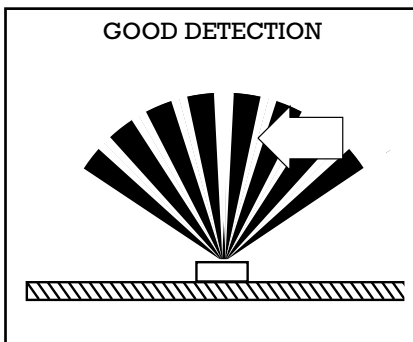


The vertical position can be reduced or expanded within the range shown in the diagram.

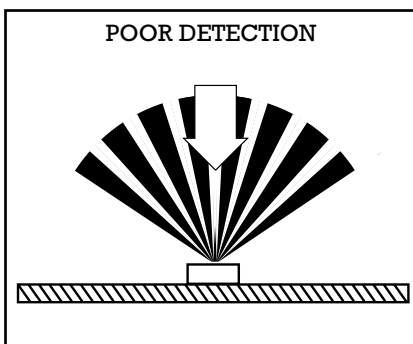


## FIELD OF DETECTION Cont'd.

The best detection is obtained by approaching the field of detection at 90° to the direction in which the detector unit is facing.



If the field of detection is approached in the same direction as the detector unit is facing, the response time in some cases will be delayed.



## POTENTIAL PROBLEMS

1. Ventilation ducts, such as the hot air discharge from a vapour cap or dryer, can cause the lamp to switch on when it is not required.
2. Passing traffic (warm engines), can also cause the lamp to switch itself on.
3. Nearby trees and bushes, etc., can cause the lamp to switch on with sudden gusts of wind or temperature changes.
4. If the lamp has been placed in a dark or shaded location, the lamp may stay on during daylight hours.
5. The lamp will not work satisfactorily if the field of detection is not broken.
6. If the temperature difference between the object and its surrounding area is too small (especially in summertime), the lamp will respond later. The range of detection will be ten metres instead of twelve metres.
7. If there are electromagnetic interferences greater than 4K.V. electrostatic discharge, 3V/m electromagnetic HF-field and 1K.V. electrical fast transient burst, then the lamp may switch on inadvertently.
8. If the lamp does not work, the bulb may be defective – replace if necessary. If the bulb is okay check the mains fuse for failure. If these are tested and found to be okay, consult a qualified electrician.
9. Halogen bulbs are a consumable and not covered by the Draper warranty.



## **GUARANTEE**

Draper electric lights have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where items are hired out when the guarantee period is ninety days from the date of purchase.

Should the light develop any fault, please return the complete item to your nearest authorized warranty repair agent or contact Draper Tools Limited, Chandlers Ford, Eastleigh, Hampshire. SO53 1YF. England. Telephone: (023) 8049 4333.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorized Draper warranty repair agent.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorized.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 12 month period.

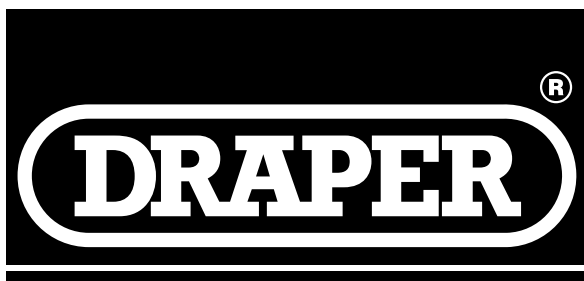
Please note that this guarantee is an additional benefit and does not effect your statutory rights.

Halogen tubes are a consumable and are not covered by this guarantee.

**DRAPER TOOLS LIMITED.**



# NOTES



## THE TOOL COMPANY

### **DRAPER TOOLS LIMITED,**

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Helpline: (023) 8049 4344.

Sales Desk: (023) 8049 4333.

General Enquiries: (023) 8026 6355.

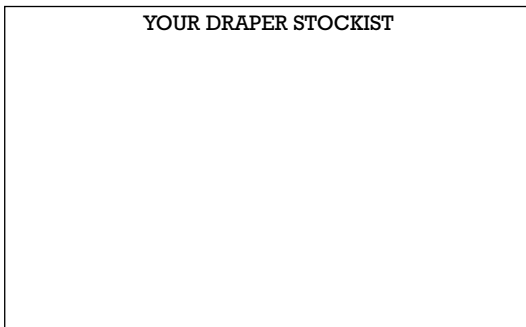
Fax: (023) 8026 0784.



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