

# INSTALLATION INSTRUCTIONS

PRODUCT: **PHOTOCELL**  
PRODUCT CODES: **PC10A & PC10AH**

## BOX CONTENTS -

**PC10A - PHOTOCELL KIT**  
**PC10AH - PHOTOCELL HEAD**

## SPECIFICATION



<b>Dimensions:</b>	PC10A - L: 130 x Ø:80mm PC10AH - L: 64 x Ø:80mm
<b>Material:</b>	PC
<b>Working Temperature:</b>	-40° - 70°C
<b>Included:</b>	Photodiode Sensor
<b>Additional Information</b>	Max load 1000W LED or Resistive



## GUARANTEE

This product is guaranteed for a period of 1 year from the date of purchase. The guarantee is invalid in the case of improper use, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations [BS7671].

The guarantee is also invalidated if the luminaire has been insulation tested. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.

## MAINTENANCE

- This fitting will require routine cleaning if used in adverse (dust, paint, welding, oils etc) environments. Do not use solvents, aggressive detergents or abrasives.
- When this fitting comes to the end of its life or you choose to replace it, please do not dispose of it with your normal household waste. Please recycle where the facilities exist, check with your local authority for suitable options.

## SAFETY WARNING



- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- If the fitting incorporates control gear, ensure careful sizing to avoid instances of nuisance tripping of the protective device used in the installation.
- Follow the provided installation instructions, using the fixings supplied or recommended.
- Keep out of reach of children.

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- CAREFULLY CHOOSE THE CORRECT POSITION TO INSTALL THE PHOTOCELL KIT CONSIDERING THE FOLLOWING GUIDE LINES:
  - WHERE POSSIBLE THERE SHOULD BE A CLEAR VIEW OF THE SKY, ALLOWING SUFFICIENT DISTANCE WHEN MOUNTING UNDER EYES.
  - FOR OPTIMUM PERFORMANCE THE POSITION CHOSEN SHOULD HAVE A CLEAR VIEW OF NORTH.
  - BE AWAY FROM VIEW OF ANY ARTIFICIAL LIGHT SOURCE.
  - BE AWAY FROM VIEW OF THE LIGHT SOURCE THE UNIT IS TO CONTROL.
- SECURELY FIX THE BASE HOLDER TO A VERTICAL WALL SO THAT THE HEAD WILL BE FACING UP WHEN FITTED.
- FIT THE GASKET INTO THE BASE HOLDER FOAM SIDE UP.
- ENTER THE SUPPLY & LOAD CABLE INTO THE BASE THROUGH THE HOLE IN THE BOTTOM OF THE BASE ENSURING THAT A CABLE GLAND GROMMET OR SEALING COMPOUND IS USED TO MAINTAIN THE IP RATING OF THE UNIT.
- TERMINATE THE CABLE INTO THE NEMA SOCKET OBSERVING THE CORRECT CONNECTIONS;
  - "LI" = LIVE (SUPPLY IN)
  - "LO" = LOAD (SUPPLY OUT)
  - "N" = NEUTRAL (THE NEUTRAL TO THE LOAD DOES NOT NEED TO PASS THROUGH THE UNIT AND CAN BE TAKEN DIRECTLY).
- PLACE THE NEMA SOCKET INTO THE BASE HOLDER WITH THE ARROW PRINTED ON THE SOCKET POINTING TOWARDS NORTH. IF NORTH IS LOCATED BEHIND THE UNIT TOWARDS THE MOUNTING SURFACE THEN THE ARROW SHOULD BE ALIGNED POINTING IN THE DIRECTION OF BEST NATURAL LIGHT.
- THE BASE HOLDER HAS 2 LOCATING PINS FOR THE NEMA SOCKET TO FIT ONTO, THE NEMA SOCKET SHOULD THEN BE SECURED USING THE 2 COUNTER SUNK SELF TAPPING SCREWS PROVIDED.
- ALIGN THE LARGEST OF THE 3 BRASS FEET MARKED 'NEUTRAL' ON THE PHOTOCELL HEAD WITH THE LARGEST SLOT IN THE NEMA SOCKET, PUSH THE PHOTOCELL HEAD INTO THE NEMA SOCKET AND GENTLY TURN CLOCKWISE TO LOCK INTO PLACE.

## OPERATION & TESTING -

- THE PHOTOCELL ALWAYS POWERS UP IN THE "ON" POSITION, IF IN BRIGHT DAYLIGHT IT WILL SWITCH OFF WITHIN 2 MINUTES.
- TO TEST FOR CORRECT OPERATION COVER THE PHOTOCELL WITH THE PACKING BOX, AFTER A SHORT DELAY, 15-120 SECONDS, THE PHOTOCELL WILL OPERATE AND POWER WILL BE APPLIED TO THE LOAD. IF TESTED IN BRIGHT DAYLIGHT AFTER A SIMILAR DELAY THE PHOTOCELL WILL TURN OFF THE POWER TO THE LOAD WHEN THE PACKAGING BOX IS REMOVED.

## COMMON PROBLEMS -

- THE LOAD STAYS ON:
  - THE PHOTOCELL IS IN A SHADY OR DARK POSITION.
  - THE NEUTRAL IS NOT CONNECTED.
- THE LOAD IS FLASHING, STROBING OR SWITCHING ON AND OFF REPEATEDLY THROUGH HOURS OF DARKNESS:
  - THE PHOTOCELL IS TOO CLOSE TO THE LIGHT SOURCE IT IS CONTROLLING.
  - "LI" & "LO" ARE REVERSED.