Installation Notes
One/Two Part Miniature Photo Cells

LOCATION
Choose a suitable location that avoids direct or reflected light from other sources reaching the photocell.
Allow for a clear unobstructed view of daylight, avoiding shaded areas.

The units are mounted through a 20mm diameter clearance hole. (S100 16mm clearance hole)
Gaskets to be placed either side of the mounting hole, and locknut(s) to be securely tightened.

SWITCHING CAPABILITY — Please check photo cell label for switching capabilities (Load handling) **(n.b. P12HE/P12RE/S100/S100RD/S100R12 are not suitable for 1 x 400 watt loads)**

TECHNICAL INFORMATIO — Refer to data sheet.)

INGRESS PROTECTION — Units to be installed, within a fitting with a minimum IP rating of IP65 (to avoid internal condensation)

CONNECTIONS

BROWN LEAD..... Live – In-coming phase supply.
BLUE LEAD..... Neutral
WHITE LEAD..... Load – Out going switched live.

Detector wires with push on terminals: Applicable to two part miniatures with remote detector.

TESTING (Under daylight condition)

When the supply is first switched on, the load will switch ON in 0-20 seconds.
With the Photocell uncovered the Load will switch OFF within 40 seconds.
Completely cover the photocell and the load will switch ON within 40 seconds.
Uncover the photocell and leave for automatic ON/OFF operation.

N.B.....When bench testing a MICROSTAR photo cell, use a tungsten light source. Ambient fluorescent light may not be sufficient to demonstrate full functionality.

TROUBLESHOOTING

Load not switching ON in darkness.

1. Check incoming supply to lighting installation.
2. Check switched load output, if load is ON, fault with lamp gear.
3. Check ambient light levels adjacent to photo cell

Load not switching OFF in daylight.

1. 1/ Check neutral connection within the luminaire.
2. 2/ Check Photo cell is not located in a shaded area.

Load is switching ON & OFF continuously.

1. 1/ Check Line and Load supply to Photocell is not reversed.
2. 2/ Check photo cell can not "see" the light it is switching.

CAUTION
Isolate mains before carrying out maintenance. Maintenance should be carried out by a Competent Person.
Continuity testing using a suitable instrument can be carried out on circuits including photocells, but NOT Insulation testing, as the high voltage generated can damage the photocell.

Typical Wiring Diagram:

One-Part Miniature

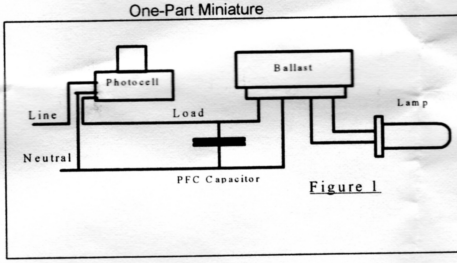

Figure 1

Two Part Miniature with Remote Detector

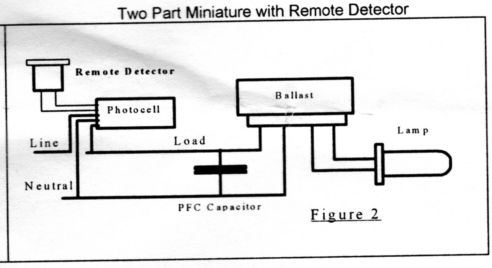

Figure 2

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