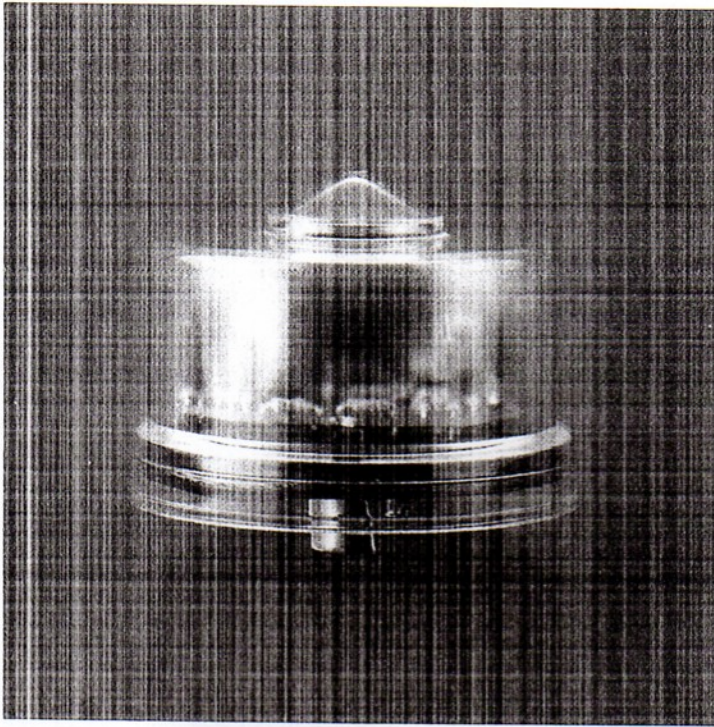


SBL Range Solid State S90/S90C *one part*

STREET LIGHTING CONTROL



These controls use solid state technology, so there are no moving parts to wear or degrade over time. This is used together with an optically coupled zero crossing triac driver, which provides a 7,500V blocking between the triac gate and the control circuit.

The result is an extremely reliable control with the ability to handle high inrush currents and with built-in surge protection.

The controls have a maximum lamp load of 2 x 250W SON and a negative differential of 1:0.5. It uses a sealed cadmium sulphide sensor for reliable switching, operating at a nominal switch-on value of 70 lux.

As with all units in the range, these controls are individually calibrated to $\pm 10\%$ of the required switch-on value, before being electronically tested.

The housing consists of a toughened, impact resistant acrylic cone, with a self-cleaning profile. The base is moulded in nylon.

S90 fits the standard NEMA socket, while the S90C has a 20mm conduit thread and 300mm leads. These units are guaranteed for three years.

TECHNICAL SPECIFICATION

SENSOR

Sealed Cadmium Sulphide

SWITCHING LEVEL

70 Lux standard

SWITCHING DIFFERENTIAL

1:0.5 Negative

OUTPUT

Triac

VOLTAGE

50Hz 230V $\pm 10\%$

MAXIMUM LAMP LOAD

2 x 250W SON

MAXIMUM RESISTIVE LOAD

10 Amps

SWITCHING DELAY

30 Seconds

POWER CONSUMPTION

0.4W continuous

OPERATING TEMPERATURE

-20°C to +80°C

INGRESS PROTECTION

IP54

IP67 available on S90 only

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