



# SBL Range Solid State S90PT/S90PTC *one part*

## STREET LIGHTING CONTROL

### TECHNICAL SPECIFICATION

#### SENSOR

Filtered Silicon Sensor

#### SWITCHING LEVEL

70 Lux standard

#### SWITCHING DIFFERENTIAL

1: 0.5 Positive

#### OUTPUT

Triac

#### VOLTAGE

50Hz 230V  $\pm 10\%$

#### MAXIMUM LAMP LOAD

2 x 400W 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 S90PT only.

These solid state controls employ state of the art light sensing and a triac drive that has the ability to handle high inrush currents. The optically coupled zero crossing triac driver provides a 7,500V blocking between the triac gate and the control circuit.

The filtered silicon sensor, which closely matches the CIE photopic response, is noted for its drift free performance and accuracy. It is extremely consistent from day to day and from unit to unit.

The controls have a maximum lamp load of 2 x 400W SON and a negative differential of 1:0.5. The silicon sensor operates 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, while the base is moulded in nylon.

S90 fits the standard NEMA socket, while the S90PTC has a 20mm conduit thread and 300mm leads. These units are guaranteed for six years.

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