Optically Accurate Silicon Integrated Switching



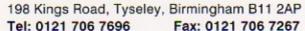
This new electronic photocell unit embodies state of the art technology. The integrated circuit contains a 'state machine' which eliminates cycling caused by transient light changes, and a silicon photodiode, filtered to closely match the CIE photopic curve. The combining of detection and switching circuitry on a single slab of silicon ensures extremely accurate night to night, and unit to unit switching, with no drift in switching levels.

This is coupled with the proven synchronous switching technology to reduce high inrush currents. With a 20 year life expectancy, and carrying a 10 year guarantee, the controls are tested for 35,000 cycles of switching. Load handling is 3 x 400W HPS. Power consumption of the unit is only 0.25W, which means reduced energy costs.

The cone and base have been designed to IP67 rating as standard on this unit.

The OASIS 2000 is the most reliable and most accurate photocontrol unit available today

ROYCE THOMPSON LIMITED





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COPIC Royce Thompson Limited is a subsidiary of Pacific Scientific Company, Newport Beach, California, USA

OASIS 2000 one part

STREET LIGHTING CONTROL

TECHNICAL SPECIFICATION

SENSOR

Filtered silicon photodiode

SENSOR DRIFT

Zero over 10 years

SWITCHING LEVEL

70 Lux standard

SWITCHING DIFFERENTIAL

1:0.5 Negative positive on request

VOLTAGE

50Hz 230V ± 10%

MAXIMUM LAMP LOAD

3 X 400W HPS 96µF PFC

SWITCHING CYCLES

35.000

POWER CONSUMPTION

0.25W

OPERATING TEMPERATURE

-20°C to +80°C

INGRESS PROTECTION

IP67

CERTIFIED TO

EMC Emission to EN 50081-1 EMC Immunity to EN 50081-2 BS 2011 Vibration BS 5972: 1980