

**NEW
TECHNOLOGY**



Specially designed for road signs and control of street lighting, these units are ideally suited for security lighting applications where space is limited or low visibility an advantage.

The unit embodies state of the art technology recently developed by Royce Thompson Limited. The new patent pending synchronous switching technology controls and reduces high inrush currents.

At the centre of this pioneering technology is our advanced circuitry with a new Application Specific Integrated Circuit (ASIC), which controls sensing, time delay and synchronous load switching.

The unfiltered silicon photodiode, gives reliable drift free photometric performance, with excellent unit to unit consistency. This ensures that all lanterns will switch on and off together.

Engineered for value, with a 20 year expected life and carrying a 6 year guarantee, these controls are rated for 20,000 cycles of switching. Load handling is 3 x 400W HPS and the units have the lowest night and day power consumption of their type which means reduced energy costs.

The ER12HN represents outstanding value, with extreme reliability and accuracy of switching.

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Certificate No. FM 13055



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

Electronic Unit *ER12HN* Miniature

**ROAD SIGNS AND
STREET LIGHTING CONTROL**

TECHNICAL SPECIFICATION

SENSOR

Unfiltered silicon photodiode

SENSOR DRIFT

Zero over 6 years

SWITCHING LEVEL

70 Lux standard

SWITCHING DIFFERENTIAL

1: 0.5 Negative
Positive on request

VOLTAGE

50Hz 230V $\pm 10\%$

MAXIMUM LAMP LOAD

3 x 400W HPS 96 μ F PFC

MAXIMUM RESISTIVE LOAD

8 Amps

SWITCHING DELAY

15 - 30 Seconds

SWITCHING CYCLES

20,000

POWER CONSUMPTION

0.25W

OPERATING TEMPERATURE

-20°C to +80°C

CERTIFIED TO

EMC Emission: to EN 50081-1

EMC Immunity: to EN 50082-1

BS 2011 Vibration

BS 5972: 1980