

- Royce Thompson, a leading brand in the Thomas & Betts Corporation portfolio, has been synonymous with Photo Electronic controls for the street and amenity lighting market since 1963 and continues to lead the market in quality, innovation and service.
- Extensive investment in R&D and patented features such as 'synchronous switching' combined with our unique 'ASIC' (*Application specific integrated circuit*) ensure that Royce Thompson photocells offer the best in low energy consumption, high reliability and long life - helping you, the user, deliver the lowest carbon footprint.
- Royce Thompson products are RoHS compliant, UMSUG rated where appropriate and comply with EMC emission and immunity standards.

ER4N

A remote detector photocell with the same accuracy, reliability and low power consumption as the OASIS product range.

KEY FEATURES

- Very low power consumption.
- 'Zero crossover voltage' switching.
- Robust Controller with 'Test' facility.

APPLICATIONS

- Vandal resistant Street lighting.
- Remote / group switched Street lighting.
- Remote switched area lighting.



SPECIFICATION

Sensor type	Filtered Silicon photodiode.
Sensor drift	Zero over 10 years.
Standard switching level	70 Lux 'On', 35 Lux 'Off'.
Switching differential	1:0.5.
Operating voltage	220/270 Vac, 50/60 Hz.
Maximum lamp load (HID)	3 X 400W inductive (96µF), 10A.
Switching cycles	20,000 minimum.
Power consumption	0.25W.
Operating temp. range	-20 / +80°C.
Warranty	6 years.
Ingress protection	IP54. (detector only).
Options	+ve switching differential, switching levels to suit customer requirements.
UMSUG Code	9500000.

ER12RN

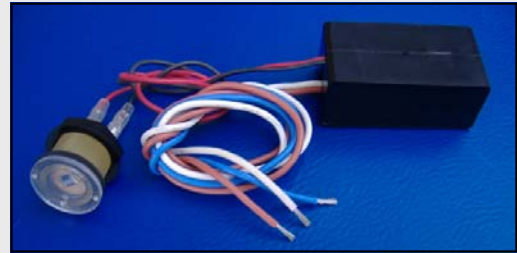
A miniature remote detector photocell with the same accuracy, reliability and low power consumption as the Microstar product range.

KEY FEATURES

- Very low power consumption.
- 'Zero crossover voltage' switching.
- Compact Miniature Body.

APPLICATIONS

- Vandal resistant Street lighting.
- Aesthetic / architectural Street lighting.
- Architectural area lighting



SPECIFICATION

Sensor type	Unfiltered Silicon photodiode.
Sensor drift	Zero over 10 years.
Standard switching level	70 Lux 'On', 35 Lux 'Off'.
Switching differential	1:0.5.
Operating voltage	220/270 Vac, 50/60 Hz.
Maximum lamp load (HID)	3 X 400W inductive (96µF), 10A.
Switching cycles	20,000 minimum.
Power consumption	0.25W.
Operating temp. range	-20 / +80°C.
Warranty	6 years.
Ingress protection	IP65. (detector only).
Options	+ve switching differential, switching levels to suit customer requirements.
UMSUG Code	9500000.

DESIGN AND TESTING CERTIFICATION

EMC Emissions to EN 50081-1.
 EMC Immunity to EN 50081-2.
 Vibration to BS2100.
 IP rating to BS EN 60529/1992.
 Specification to BS 5972—1980, ANSI C136.10 / 1996, ANSI C136.2 / 2004, ESMA 48 / 01.



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