

ER4N & ER12RN

2 Part Remote Detector Photocells

- 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 Sensor drift Standard switching level Switching differential Operating voltage Maximum lamp load (HID) Switching cycles Power consumption Operating temp. range Warranty Ingress protection Options

UMSUG Code

Filtered Silicon photodiode. Zero over 10 years. 70 Lux 'On', 35 Lux 'Off'. 1.05 220/270 Vac, 50/60 Hz. 3 X 400W inductive (96 μ F), 10A. 20.000 minimum. 0.25W -20 / +80°C. 6 years. IP54. (detector only).

+ve switching differential, switching

levels to suit customer requirements.

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



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SPECIFICATION

Sensor type Sensor drift Standard switching level Switching differential Operating voltage Maximum lamp load (HID) Switching cycles Power consumption Operating temp. range Warranty Ingress protection Options

UMSUG Code

Unfiltered Silicon photodiode. Zero over 10 years. 70 Lux 'On', 35 Lux 'Off'. 1.05 220/270 Vac, 50/60 Hz. 3 X 400W inductive (96µF),10A. 20.000 minimum. 0.25W -20 / +80°C. 6 years. IP65. (detector only). +ve switching differential, switching levels to suit customer requirements.



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.





Thomas & Betts

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