



ER4N

Two Part Remote Detector Photocell

Key Features

- Very low power consumption
- Filtered silicon photodiode
- Microprocessor based photo-electronic control
- 'Zero crossover voltage' switching
- Robust controller with test facility
- Durable polycarbonate casing
- Suitable for use with LED, halogen or discharge lighting

Applications

- Vandal resistant street lighting
- Remote/group switched street lighting
- Remote switched area lighting

The ER4N remote detector photocell is specifically designed for street and amenity lighting applications requiring a high level of accuracy and reliability combined with low power consumption.

The photocell is supplied in two parts, with a separate compact detector and robust controller housing, to permit installation in lamps where space is limited, whilst the controller can be sited in a convenient, easy to reach location.

With optional Part Night functionality, the ER4N photocell delivers comparable performance to our high quality one part Oasis range of photocells, yet proves the ideal solution where remote switching, control and testing of lighting units is stipulated.

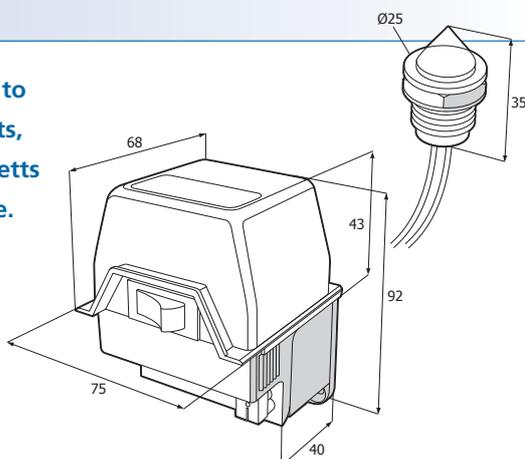


ER4N Two Part Remote Detector Photocell

Technical Specification

Specification	Description
Sensor type	Filtered silicon photodiode
Sensor control	Microprocessor
Standard switching level	70 lux 'On', 35 lux 'Off'. Alternative settings can be factory pre-programmed on request
Switching differential	1:0.5
Operating voltage range	220-270 Vac, 50/60 Hz
Maximum lamp load	3 x 400 W inductive (96 µF), 10 A
Power consumption	0.25 W
Operating temperature range	-20 °C to +60 °C
Ingress protection	IP65 (lens), IP54 (casing)
Surge protection	MOV
Options	Positive and negative switching differential, with optional switching levels factory pre-programmable to suit customer requirements Part Night functionality
Approvals	RoHS compliant. CE marked and compliant with EMC emission and immunity standards Designed to meet the requirements for UMSUG code 95 0000 0000 100
Dimensions	L x W x D Dia. x D
	68 x 75 x 92 mm (controller) 25 x 35 mm (photocell)

For product order codes or to discuss project requirements, please contact Thomas & Betts or your local representative.



Royce Thompson is the leading photo-electronic lighting controls brand from Thomas & Betts, supporting the street and amenity lighting industry since 1963.

Continuous focus on the provision of high quality, innovative products to the market ensures Royce Thompson photocells offer the best in low energy consumption, reliability and long life - helping you, the customer, achieve optimum performance whilst keeping your carbon footprint to a minimum.



Product selection

Product	ER4N
Description	Two part remote detector photocell

Individual product order codes subject to final product specification. Codes can be supplied on request from Thomas & Betts. To discuss project requirements, please contact your local representative or Thomas & Betts on (0)113 281 0600.

Warranty of all Royce Thompson products is subject to the standard Thomas & Betts terms & conditions of sale.



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