

SELC 8482

One part Photoelectronic Dusk to Dawn Lighting Controllers.

Key Features

- Very accurate ambient light sensing
- Rat switching
- Can control HID loads up to 2000VA reactive
- Available with integral or remote sensor.
- Expected life of 25 years
- Detector head sealed to IP67

Applications

- Street and road lighting
- Security and flood lighting
- Amenity and sign lighting
- All types of external HID, consumer or industrial lighting
- Other loads that operate utilising dusk to dawn as the switch 'on' and 'off' method



SELC 8482 (previously the SELC 849)

The SELC 8482 offers...

1. Energy saving
2. Controls directly up to 2000VA
3. All Reactive HID Lamp Loads
4. A very accurate switch 'on' and 'off' of your external lighting
5. A very long operation lifetime
6. Ideal use on decorative or period style lighting
7. Very discrete profile

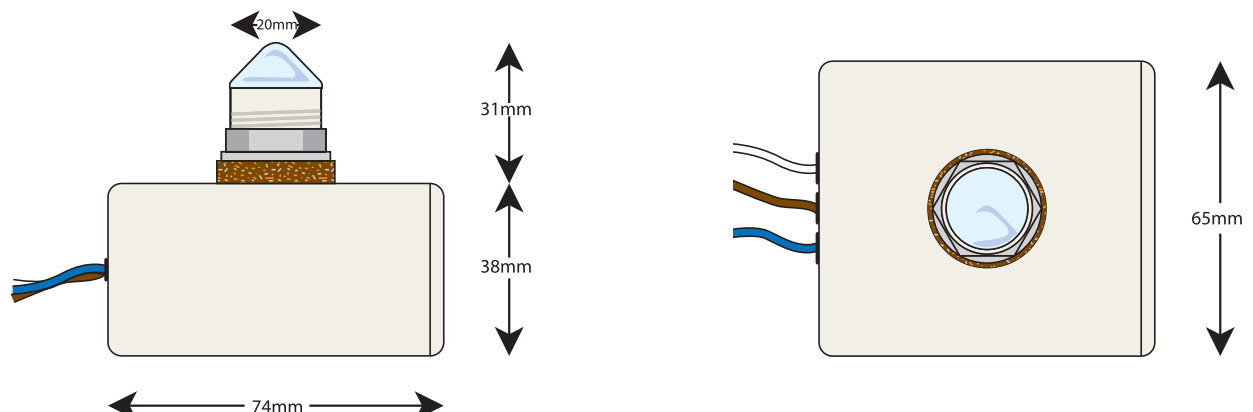
The **SELC 8482** miniature photo-cell range has been specifically developed for those lighting systems requiring internal installation of the main power unit.

Separation of the detector head from the main switching unit is one of the main advantages of the **SELC 8482-2P** switching unit.

As with all SELC products the SELC 8482 range incorporates customised filtered phototransistors, to offer the same accurate switch on/off as the SELC 8480 range. This is essential so as full compliance with stringent electricity supply tariffs are maintained throughout the life of the installation and maintenance is reduced dramatically.

Nema socket adopter plate available for this product.

SELC 8482 Dimensions



A Proven Lifetime of over 20 years

guaranteed for 12 years

Specifications SELC 8482

Type	Electronic 1 part or 2 Part - Solid State
Voltage	200 – 260 volts 50/60 Hz
Load Handling	3 x 400W HID
Load Current Capacity	10A Inductive
Temperature Range	-20°C to +85°C
Switching Delay	25 Seconds
Switching Ratio	1:0.5, 1:1, 1:1.5, 1:2
EMC	EN 61547:1995-1 and EN 55015:1996
Electronic Power Consumption	Less than .25 Watts
Enclosure Material	Plastic
Switch on Levels	70 Lux or Customer Specification
Sensor Drift	Zero over 6 Years
Evening to Evening Drift	+/- 2.5% P/U
Conical Cover	1% decrease in light transmission over 6 years
Cable Type	Multicore
Conical Cover Material	Flame Retardant Plastic
Detector Sealing	Certified to IP67
Sealing Gasket	Nebar Material
Standards	Designed to meet the requirement of IS 428 1991. Approved to: CECC 42 201-802 of 1992 UL E98144; VDE 53 138 E. Manufacturing Standards: I.S. E.N. ISO 9001-2000. The technical requirements of the standard referred to above are identical to the following national standards harmonised with EN29002; NBN x 50- 004; NF X 50-132 NEN 2647; NS 5802; SN 029 100B; BS 5750: Part 2(ISP 9002-1987); Din ISO 9002; And US Standard ANSI/ASQC Q92-1987.



The SELC 8482's Multiple Features

- Filtered Silicon Sensor to closely match the human eye response curve.
- Encapsulated transformer regulated power supply for greater reliability.
- Detector head sealed to IP67.
- State-of-the-art micro-controlled circuitry for control of sensing time delays and R.A.T. switch sequencing.
- The availability of the SELC 8482 as a one part or a two part unit.
- Detector cable lengths available 0.25m up to 2.0m for the SELC 8482-2P.
- Protected from the secondary effects of lighting. Lighting over-voltage protection by Varistor.
- Hard-wired installation to deter vandals.
- Negligible power loss during load control.
- A now proven lifetime of over 25 years, backed by a full manufacturers 12 year guarantee.
- Ideal for use in systems where space is limited.

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