Photovoltaic Energy L.L.C
ايكوسولاريس للطاقة الكهروضوئية ذ.م.م
Canal Highs 4001, Dubai, United Arab Emirates · P.O. Box 25314
Tel: +971 58 511 8662 · Toll-free: 800 00813
contact@ecosolaris.ae · www.ecosolaris.ae

TECHNICAL DATASHEET · OBSTRUCTION LIGHTING · CONTROLLER, REDUNDANCY AND ALARM

Power Supply and Control Panel for Obstruction Lights

EcoSolaris code **ECO-AL-409** | Ordering code **AL-OBS-08-XXX-FT-AT** | **Made in Romania** Manufactured in the EU







An optional device for obstruction lights that monitors the primary light and automatically switches on the secondary light if it fails. It reports any operating problem through an alarm contact and includes a twilight sensor, surge protection and a fuse.

ORDERING CODE	COMPATIBILITY
AL-OBS-08-XXX-FT-AT	**type A or B obstruction lights (on request)**

SURGE PROTECTION	FUSE
10 kA	**6 A**

Price on request | **EcoSolaris technical support · Dubai**

Technical specifications

Ordering code	AL-OBS-08-XXX-FT-AT
Function	power supply, monitoring, master/slave redundancy and alarm
Compatibility	type A or B obstruction lights (on request)
Status contact	normally closed in nominal operation, opens on fault
Surge protection	10 kA
Fuse	6 A
Twilight sensor	integrated, prevents daytime operation
Enclosure	polycarbonate, IP65
Cable glands	230 V AC input, light output, alarm output
Electrical insulation class	II
Nominal operating temperature	-20 °C to +50 °C
Marking	CE, manufactured in accordance with RoHS
Warranty	2 years of operation

Features

- Continuously monitors the primary (master) obstruction light
- Automatically switches to the secondary (slave) light on short circuit, disconnection or loss of supply
- Alarm contact for the building management system (BMS)
- Integrated twilight sensor – lights operate only at night
- 10 kA surge protection and 6 A fuse
- IP65 polycarbonate enclosure, class II insulation

Standards and compliance

- CE marking
- Manufactured in accordance with RoHS

Materials and construction

- Polycarbonate enclosure

Configuration options

- Supply voltage (XXX) according to the application – confirmed at quotation

Ordering code structure

AL - OBS - 08 - XXX - FT - AT

AL	Series indicator: Airfield Lighting
OBS	Category: obstruction lighting
08	Product indicator: power supply and control panel
XXX	Power supply / system power (datasheet: photovoltaic system power)
FT-AT	Accessory: twilight sensor and overload protection

Applications

Telecom towers and antennas · **Tall buildings and industrial chimneys** · **Obstruction lighting with double lights or 2 single lights** · **Integration with BMS via dry contact**