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 · RADIO CONTROLLER

Radio Obstruction Light Controller V4

EcoSolaris code **ECO-AL-4170** | Ordering code **AL-OBS-24-AX-RC** | **Made in Romania** Manufactured in the EU



New-generation radio controller with touchscreen for low- and medium-intensity obstruction lights. It monitors the status, light intensity and radio signal of each light in real time within a 1000 m radius.

ORDERING CODE	COMMUNICATION
AL-OBS-24-AX-RC	**radio, 868 MHz**
MONITORING AND CONTROL RANGE	LIGHT POLLING
1000 m	**every 10 seconds**

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

Technical specifications

Ordering code	AL-OBS-24-AX-RC
Communication	radio, 868 MHz
Monitoring and control range	1000 m
Compatible lights	low or medium intensity obstruction lights, single or double (twin)
Light polling	every 10 seconds
Synchronisation signal	every 10 minutes
Interface	touchscreen
Day/night mode	automatic or manual
Alarm output	dry contact for BMS
Power supply	110–240 V AC, 50/60 Hz
Protections	overload, overvoltage, EMI filter, SPD
Degree of protection	IP66
Temperature range	-40 °C to +55 °C
Dimensions	400 × 300 × 200 mm
Weight	10 kg

Features

- Remote monitoring of lights with real-time status indication
- Day/night mode managed automatically or selected manually
- Real-time light intensity monitoring
- Adjustable light sensor activation threshold
- Configurable flashing frequency (flashes per minute)
- Signal strength monitoring for each light
- Detailed diagnostic status for each light

Standards and compliance

- EMC emission: EN55032 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3, EAC TP TC 020
- EMC immunity: EN61000-4-2,3,4,5,6,8,11; EN55024, light industry level, criteria A; EAC TP TC 020
- SR EN 61439-1:2012 – Low-voltage switchgear and controlgear assemblies, Part 1: General rules
- SR EN 61439-2:2012 – Low-voltage switchgear and controlgear assemblies, Part 2: Power switchgear and controlgear assemblies
- SR EN 60204-1:2007 + AC:2013 – Safety of machinery, electrical equipment of machines, Part 1: General requirements

Materials and construction

- Housing: powder-coated metal (grey)
- Cable gland: nickel-plated brass

Ordering code structure

AL - OBS - 24 - AX - RC

AL	Series indicator (Airfield Lighting)
OBS	Category (Obstruction Lighting)
24	Product indicator
AX	Product type (accessory)
RC	Control type (Radio Control)

Applications

Telecom towers and masts · **High-rise buildings** · **Antennas** · **Low- and medium-intensity obstruction lighting systems**