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 · HELIPORT LIGHTING · CONTROLLER

Basic Beacon Controller

EcoSolaris code **ECO-AL-349** | Ordering code **AL-079-AX** | **Made in Romania** Manufactured in the EU



A simple controller that powers and controls the heliport beacon, generating the flash sequence that shows the letter H in Morse code. It is used when the main controller is far from the beacon; brightness is controlled from the heliport controller V2 or V3, or automatically from a twilight dimming controller.

ORDERING CODE	BRIGHTNESS STEPS
AL-079-AX	**3%, 10%, 100% – remote control by cable**
POWER SUPPLY	**OUTPUT POWER**
110–240 V, 50/60 Hz	**120 W peak**

Price on request | EcoSolaris technical support · Dubai

Technical specifications

Ordering code	AL-079-AX
Function	powers and controls the heliport beacon (Morse code “H”)
Brightness steps	3%, 10%, 100% – remote control by cable
Power supply	110–240 V, 50/60 Hz
Output power	120 W peak
Power consumption	5.5 Wh
Electrical protection class	Class I
Protections	short circuit, overload, overvoltage
Connections	3 terminal blocks: power (L, N, PE), beacon output (+, -), external command (+, -)
Degree of protection	IP65
Operating temperature	-20 °C to +55 °C
Dimensions	300 x 250 x 150 mm
Weight	4.8 kg
Fixing	4 × Φ8 mm holes, 340 x 210 mm (H x W) pitch, on any flat surface

Features

- Generates the flash sequence showing the letter H in Morse code
- 3-step brightness (3%, 10%, 100%) controlled by cable
- Controlled from the heliport controller V2/V3 or from a twilight dimming controller
- Avoids long cable runs between the beacon and the main controller
- Short circuit, overload and overvoltage protection
- IP65 metal housing, easy maintenance

Standards and compliance

- ICAO Annex 14, Volume II – Heliports
- 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

Materials and construction

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

Ordering code structure

AL - 079 - AX

AL	Series indicator: Airfield Lighting
079	Product indicator: basic beacon controller
AX	Product type: accessory

Compatible accessories

AL-111-AX	Twilight dimming controller

Applications

Heliports where the beacon is far from the main controller · **Hospital and rooftop heliports** · **Offshore platforms and oil & gas sites** · **Upgrading existing heliport lighting systems**