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TECHNICAL DATASHEET · HELIPORT LIGHTING · CONTROLLER

Beacon Controller

EcoSolaris code **ECO-AL-351** | Ordering code **AL-076-AX** | **Made in Romania** Manufactured in the EU



A controller that powers the heliport beacon at 48 V DC and controls it, generating the flash sequence that shows the letter H in Morse code. Brightness is selected on the front panel (3%, 10%, 100%) and day/night switching can be automatic with an optional twilight controller.

ORDERING CODE	OUTPUT VOLTAGE
AL-076-AX	**48 V DC**
BRIGHTNESS STEPS	POWER SUPPLY
3%, 10%, 100% – front-panel rotary switch	**110–240 V, 50/60 Hz**

Price on request | EcoSolaris technical support · Dubai

Technical specifications

Ordering code	AL-076-AX
Function	powers and controls the heliport beacon (Morse code “H”)
Output voltage	48 V DC
Brightness steps	3%, 10%, 100% – front-panel rotary switch
Day/night switching	manual, or automatic with optional twilight controller
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
- 48 V DC output, max. 120 W
- 3-step brightness (3%, 10%, 100%) from the front panel
- Automatic day/night switching with optional twilight controller
- Stand-alone operation, no main controller needed
- Short circuit, overload and overvoltage protection

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

Configuration options

- Twilight controller for automatic day/night switching

Ordering code structure

AL - 076 - AX

AL	Series indicator: Airfield Lighting
076	Product indicator: 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**