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TECHNICAL DATASHEET · HELIPORT LIGHTING · REMOTE CONSOLE FOR CONTROLLER V3

Console Controller

EcoSolaris code **ECO-AL-1107** | Ordering code **AL-110-AX** | **Made in Romania** Manufactured in the EU



Remote console for Controller V3, installed in the tower or control room while the electrical cabinets stay in the technical room. It communicates with the controller over RS485 to switch circuits ON/OFF, select brightness and monitor parameters and failures on its display.

ORDERING CODE	COMPATIBILITY
AL-110-AX	**Heliport Controller V3**
COMMUNICATION	POWER SUPPLY
RS485, via shielded cable	**110-240 V, 50/60 Hz**

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

Technical specifications

Ordering code	AL-110-AX
Compatibility	Heliport Controller V3
Communication	RS485, via shielded cable
Power supply	110-240 V, 50/60 Hz
Controlled circuits	8 ON/OFF circuits, factory configurable
48 V DC circuit	max 500 W, dimmable
1.4 A constant-current circuit	max 500 W, dimmable
230 V AC circuit	max 2000 W, not dimmable
Brightness steps	10%, 30%, 100%
Operating modes	Standby, total OFF, per-circuit ON/OFF
LCD display	voltage, total power (W), brightness level, system status, circuits ON/OFF, errors, GSM network, control rights
Lamp failure detection	> 5 W difference between two consecutive readings – LCD message and beep
Circuit failure detection	> 20 W difference between two consecutive readings – LCD message and beep
Monitoring inputs	3 independent dry contacts (APAPI, SAGA, HAPI)
Housing	powder-coated metal, grey
Cable gland	nickel-plated brass

Features

- 8 independent circuits, factory configurable (48 V DC, 1.4 A constant current or 230 V AC)
- Three-step dimming: 10%, 30%, 100%
- Dedicated OFF, Standby and brightness buttons plus 8 circuit selection buttons
- LCD display with voltage, total power, status and errors
- Automatic lamp (> 5 W) and circuit (> 20 W) failure detection with audible alarm
- 3 dry-contact inputs for APAPI, SAGA, HAPI failure signals

Standards and compliance

- ICAO Annex 14, Volume II – Heliports
- EMC emission: EN 55032 (CISPR 32) Class B, EN 61000-3-2 Class A, EN 61000-3-3, EAC TP TC 020
- EMC immunity: EN 61000-4-2, 3, 4, 5, 6, 8, 11; EN 55024 (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 - 110 - AX

AL	Series indicator (airfield lighting)
110	Product indicator – Console Controller
AX	Product type: accessory

Applications

Heliports: TLOF and FATO lights · **Aiming point lights and floodlights** · **Approach and taxiway lights** · **Heliport beacon** · **Control from the tower or control room**