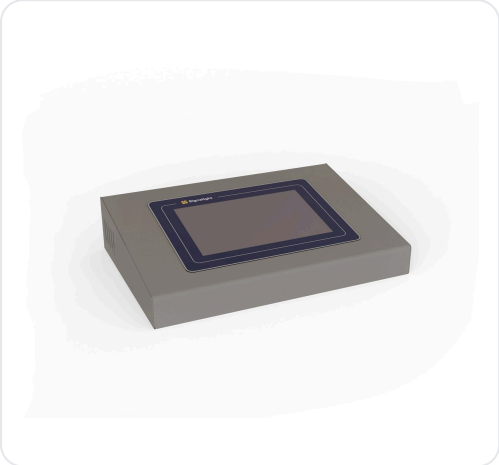
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TECHNICAL DATASHEET · AIRPORT & HELIPORT LIGHTING · REMOTE CONSOLE FOR CONTROLLER V4

Console Controller V4

EcoSolaris code **ECO-AL-4110** | Ordering code **AL-160-AX** | **Made in Romania** Manufactured in the EU



Remote console for Controller V4, intended for the control tower or control room. It communicates with the controller over RS485, has a touch screen with the same look and functions as the controller's own, and can be installed up to 500 m away from it.

ORDERING CODE	COMPATIBILITY
AL-160-AX	**Controller V4**
COMMUNICATION	MAX DISTANCE TO CONTROLLER
RS485, via cable	**500 m**

Price on request | EcoSolaris technical support · Dubai

Technical specifications

Ordering code	AL-160-AX
Compatibility	Controller V4
Communication	RS485, via cable
Max distance to controller	500 m
Power supply	110-240 V, 50/60 Hz
Controlled circuits	ON/OFF, 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% – total or per circuit
Operating modes	Standby, total OFF, per-circuit ON/OFF
Display	LCD touch screen: brightness, system status, circuits ON/OFF, errors, GSM network
Lamp failure detection	> 5 W difference between two consecutive readings – message and beep
Circuit failure detection	> 20 W difference between two consecutive readings – message and beep
Monitoring inputs	3 independent dry contacts (APAPI, SAGA, HAPI)
Housing	powder-coated metal, grey
Cable gland	nickel-plated brass

Features

- LCD touch screen with the same interface as Controller V4
- 10%, 30%, 100% dimming for the whole system or per circuit
- Factory configurable circuits: 48 V DC, 1.4 A constant current, 230 V AC
- Automatic lamp (> 5 W) and circuit (> 20 W) failure detection with audible alarm
- 3 dry-contact inputs for APAPI, SAGA, HAPI failures
- Installation up to 500 m from the controller

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 - 160 - AX

AL	Series indicator (airfield lighting)
160	Product indicator – Console Controller V4
AX	Product type: accessory

Applications

Heliport lighting systems · **Airport and aerodrome lighting systems** · **Operation from the control tower** · **Control room separate from the technical room**