

Control Panel

The AL-CP aviation obstruction light Control Panel can be used with all series of our company's aviation obstruction lights to facilitate synchronized flashing, simultaneous On/Off or Day/Night intensity control and monitor the Working/Fault status of each light in a multi-light system.

The panel is intended for indoor use and is rated IP43

Key Feature:

- The panel is of powder coated sheet steel construction, resistant to corrosion and anti-UV.
- The voltage of the power circuit and signal control line is the same, so the connection of the incoming wires is made simple and reliable, with no damage caused to the lights or controller should there be a connection error.
- The control circuit uses MCU control which can simultaneously control up to 4000W load power, which would be sufficient for up to 200 aviation obstacle lights of 20W.
- The Control Panel has 3 operating modes: Automatic, Manual and Close which are user selected via the door-mounted selector switch.

Automatic mode: Automatically turns off red lights or switches dual lights to white during the day, and turns on red lights or switches dual lights to red during the night, by use of the AL-012GK photo sensor which is connected to the control panel and mounted outside. Red lights are turned on permanently.

Manual mode: Red lights are turned on permanently.

Closed mode: Red lights are turned off permanently.

- The Control Panel can also give light fault indication. In the event of one of the aviation obstruction lights failing, the indicator light on the panel door will illuminate, plus there are a set of dry contacts that can connected to an external indicator panel or BMS.
- This aviation obstruction light Control Panel gives reliable and safe performance and the use and maintenance of the panel is simple and convenient. The anti-surge device (anti-lightning in 15K/5 times I_{max} 40KA) in the panel gives additional protection in areas susceptible to lightning strikes.

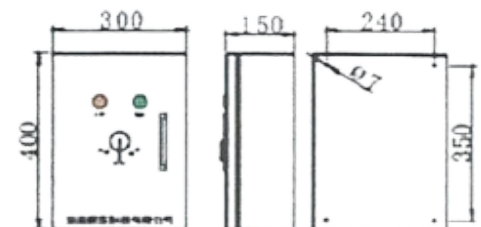
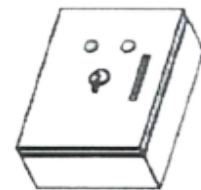
Compliant to: ICAO Annex 14

Technical Specification:

Item	Parameter
Model	AL-CP
Operating voltage	AC220V/DC48V
Power consumption	≤20W
Load capacity	4000W
Flashing frequency	20-60 FPM
Number of controlled lights	200 units
Ingress Protection	IP43
Control ambient brightness	50-500 lux
synchronization	voltage signal mode
Photo Sensor	AL-012GK
Operating Temperature	-5°C~+55°C
Net Weight	6KG
Overall size(mm)	400mmX300mmX150mm
Installation size(mm)	350mmX240mmX16



Control cabinet



Structure chart