

CONTROL & MONITORING

ALCP

Airport Lighting Control Panel



Compliance with Standards

- FAA:** L-821 AC 150/5345-3 (Current Edition).
ETL Certified.
- MIL:** MIL-P-8944A.
- ICAO:** Annex 14, Vol. 1, para. 5.3 and 8.3 and Aerodrome Design Manual part 5, para. 3.4 and 3.7.

Uses

FAA L-821 & ICAO

Airport Lighting Panels are designed for remote control of airport lighting and auxiliary aids.

Overview

The configuration of the control panel is custom-designed and built to accommodate the lighting control features and functions required at each specific airport. Toggle, rotary, or push-button switches can be installed on the panel to manually turn on and off airport lighting equipment requiring remote control. The L-821 can be used in conjunction with a computerized control and monitoring system to increase functionality and reduce cabling costs.

Features

- An electronic L-821 is available. See data sheet 2077 for more details about ADB's Navigator System.
- Panel layouts are custom-designed and built according to end-user requirements
- Standard L-821 control panels are cost-efficient and readily available with options (Contact the ADB Sales Department for details)
- Rotary switches have a minimum angular throw of 30° and three to six positions
- Toggle switches have either two or three positions
- All illuminated push-button switches are softly backlit in the OFF position and illuminate brighter when engaged
- The color and gloss of the case and panel plate conforms to Federal Standard 595, Color 30372, brown
- A grounding lug is supplied in each panel box or case and is capable of handling 12 AWG wire

Custom Product

L-821

ADB Safegate manufactures custom L-821 panels for remote control of airfield lighting. All types, classes, styles and modes specified in AC 150/5345-3 (Current Edition) are available. The following ADB Safegate L-821 configurations are ETL Certified:

- Type:** I, Conventional Panels
- Class:** F, Flush Mount
S, Surface Mount
W, Wall Mount
- Style:** 1, Unlighted
- Mode:** 1, Generic Panel

Please contact the ADB Safegate Sales Department for information regarding custom L-821 Panels configured for your airfield's requirements.

Touchscreen

Touchscreen control panels are available in conjunction with computerized control systems. Refer to ADB Safegate data sheets 1041 and 2076 for details. The touchscreen control panels comply with all applicable requirements of AC 150/5345-3 (Current Edition).

Theory of Operation

For installation purposes, the L-821 control panels are available in a flush (Class F), surface (Class S), or wall (Class W) mountable enclosure. The Class F control panels are intended for mounting to a console or cabinet, while Class S control panels may be secured to a table top or other suitable surface. The top plate of Class F and S panels is attached to the case by means of a continuous hinge along the top edges of the case. A latch is mounted inside the case to support the panel plate at a near vertical position when open. Class W control panels use a commercial outlet, utility, or pull box designed for mounting on a wall. The wall-mounted panel is used primarily at an airport requiring minimal lighting control.

www.adbsafegate.com

Product specifications may be subject to change, and specifications listed here are not binding. Confirm current specifications at time of order.