

Airport Lighting Control and Monitoring System



Compliances

Certified to FAA AC 150/5345-56 (Current Edition)

ICAO Annex 14, Vol. 1

ICAO Aerodrome Design Manual, Part 5



Application

The Airport Lighting Control & Monitoring System (ALCMS) simplifies the control and monitoring of lighted visual aids. Central to the Airport Lighting Company ALCMS is a Programmable Logic Controller (PLC), which is a dedicated, industrial piece of equipment that is designed for years of constant operation. This architecture ensures that airport operations are always reliably executed.

The ALCMS is scalable to support airports of any size. The basic function of the system remains the same whether for a general aviation airport or large commercial airport with hundreds of daily operations.

Benefits of the Airport Lighting Company ALCMS include, but are not limited to:

- Enhanced airport safety
- Ease of troubleshooting connected equipment
- Flexible installation footprint customized for each airport

Specifications

Key Features

- Factory validated Preset or Last State/Latching Failsafe can be reconfigured in field to accommodate the changing needs of your airport
- Capable of individually controlling each of the airport lighting circuit elements.
- Customized touch screen graphics tailored to provide clear & concise information to ATC Operators and Maintenance personnel
- Support of redundant communication networks including: Single Mode Fiber (SM), Multi Mode Fiber (MM), Wireless RF, Hardwire
- Control & monitoring of non-Regulator elements such as Approach Systems, Beacons, Wind Cones, Generators, & ATS
- Customizable Preset buttons offer simple control of multiple airfield elements at once, based on runway operations and visibility levels
- Future-proof system design that is easily expandable
- Real-time monitoring with extensive alarm and reporting capabilities
- Secure Transfer of Control from station-to-station is ensured by a grant/deny request system
- Variable parameters for each circuit and device include soft start, monitoring, and alarming
- Supports unmanned control operation through integration of L-854 radio receiver, photocell, or maintenance push button
- PLC-based architecture to ensure years of operation

General Catalog Numbers

CMS - □ - □

Monitoring Option

A = Control Only
 B = Basic Monitoring
 C = Advanced Monitoring

Failsafe Option

A = Preset
 B = Last State/Latching