

# CIP402-44

## Obstruction Light System Controller

### KEY FEATURES

- Controller for systems with Orga Aeronautical Obstruction Lights, Helihoist Lights, Search and Rescue Lights, ID Lights and Visibility Sensors
- System status monitoring and fail interface
- Manual control override of connected lights
- No (internal) wires
- Integrated Over Voltage Protection
- Communication via Modbus over TCP/IP
- Ethernet communication, with Cyber Security elements implemented
- Base module with Input & Output (I/O) for dedicated functions
- Cost-efficient housing design, meeting C3 corrosion robustness
- Simple cable connection for easy installation
- Supplied with EMC cable glands and blind plugs
- No maintenance during service life
- Two-year warranty

### STANDARDS/CERTIFICATION

- ICAO Annex 14, volume I; International standards and recommended practices: Aerodrome design and operations, 8th Edition, 2018, chapter 6 (for systems incl. CIP402 controllers and obstruction lights)
- United States Federal Aviation Administration AC 70/7460-1L; Obstruction Marking and Lighting, 2018 (for systems incl. CIP402 controllers and obstruction lights)
- Various national approvals (for systems incl. CIP402 controllers and obstruction lights)

### PHYSICAL CHARACTERISTICS

- Dimensions: See drawing
- Weight: 7 Kg
- Design degree of protection: IP65
- Operating temperature range: -40° C to +55° C
- Shipping information: 351x515x123 Cm; 8 kg

### PERFORMANCE CHARACTERISTICS

- Controls up to ninety Orga aeronautical obstruction lights
- Ethernet interface for remote system monitoring and control
- Ethernet connection CAT6 with RJ45
- connection compatible with standard IEEE 802.3u
- Overall system fail contact
- I/O interface for control using 24Vdc input
- Additional I/O module for control
- Signals optional main-standby light

### ELECTRICAL CHARACTERISTICS

- Operating voltage: See table
- Power consumption: 4 W
- Overvoltage protection: Class III according to IEC61643-1



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CIP type name	Operating voltage	Med. / High Int. Lights	Tower light controller support	Visibility meter with Ortalk connection	Reduced intensity control	Aircraft detection Lighting System (ADLS)	Additional class 2 overvoltage protection	Active Voltage outputs for hard wired I/O
CIP402-44-R-IO	120-240 Vac 50-60 Hz	V	V	V	V	V	V	

