

CIP400-B-OMV-P

Obstruction light system controller including Ethernet connection

Controller for use with Orga obstruction light systems for on & offshore windfarm applications. The CIP400 provides full system operation management, advanced control facilities, status information, and system diagnostics through an Ethernet port.



KEY FEATURES

- Controller for systems with Orga aeronautical obstruction lights, Helihoist lights, Search and Rescue, ID lights & Visibility sensors
- System status monitoring and alarm interface
- Manual Control override of connected lights
- Control options: Modbus, Webserver over TCP/IP & hard wired I/O
- Replacement for existing CIP400 controller
- Two year warranty
- No maintenance required over service life

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
- Optional main-standby light configuration available

STANDARDS/CERTIFICATION

- ICAO Annex 14, volume I; International standards and recommended practices: Aerodrome design and operations, 6th Edition, July 2013, chapter 6 (for systems incl. CIP400 controllers and obstruction lights)
- In compliance with AWW (2020)(German “General Administrative Regulation for the marking and lighting of obstacles to air navigation”) “Feuer W ES, rot”
- United States Federal Aviation Administration AC 70/7460-1K; Obstruction Marking and Lighting, February 2007(for systems incl. CIP400 controllers and obstruction lights)
- Various national approvals (for systems incl. CIP400 controllers and obstruction lights)

ELECTRICAL CHARACTERISTICS

- Operating voltage: See table
- Power consumption: 1W
- Limited Overvoltage protection

PHYSICAL CHARACTERISTICS

- Dimensions: see drawing
- Weight: < 1 kg
- Design degree of protection: IP65 (depending on existing enclosure)
- Operating temperature range: -40°C to +55°C

SYSTEM DESIGN, CONTROL AND MONITORING

- The CIP400 can use the GPS synchroniser of a connected medium or high intensity obstruction light as the system synchroniser



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Type name	Operating Voltage
CIP400-B-OMV-P	120-240 Vac 50-60 Hz

