

# CIP402-22-XXX

## Obstruction Light System Controller

The CIP402 is Orga's obstruction light system controller specifically designed for the wind industry. This controller provides full system operation management, advanced control facilities, status information and system diagnostics. Available in different housing sizes, with smart backplane and prefixed connections, making the CIP402 a reliable and cost-efficient obstruction light controller.

### KEY FEATURES

- Main controller offering complete control and status monitoring of Orga aeronautical obstruction lighting systems
- Integrated webinterface for easy setup of the entire system
- External communication via Modbus over TCP/IP including Cyber Security features
- Hardwired Input & Output (I/O) available for key control functions
- Integrated Over Voltage Protection
- Supplied with EMC cable glands and blind plugs
- No maintenance needed during service life
- Two-year warranty

### STANDARDS/CERTIFICATION

- In compliance with CE
- ICAO Annex 14, volume I; International standards and recommended practices: Aerodrome design and operations, 9th Edition, 2022 chapter 6 (for systems incl. CIP402 controllers and obstruction lights)
- United States Federal Aviation Administration AC 70/7460-1L; Obstruction Marking and Lighting, 16 Nov .2020 (for systems incl. CIP402 controllers and obstruction lights)
- Various national approvals (for systems incl. CIP402 controllers and obstruction lights)

### PHYSICAL CHARACTERISTICS

- Housing design meeting C3 corrosion robustness standards
- Dimensions See drawing
- Weight: 4 Kg
- Design degree of protection: IP65
- Operating temperature range: -40° C to +55° C
- Shipping information: 351x215x123 Cm; 4 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
- Basic I/O (Aircraft Detection Lighting System Input + Fail Out)
- Signals optional main-standby light

### ELECTRICAL CHARACTERISTICS

- Operating voltage: See table
- Power consumption: See table
- Overvoltage protection: Class II according to IEC61643-1



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Product Name	Variant Name	Operating Voltage	Power Consumption	Obstruction Lights support	Low Int. (Via Marker Light Controller) support	Aircraft Detection Lighting System (ADLS)	Overvoltage Protection Class II	Hard Wired In- & Output(s)
CIP402	-22	120-240 Vac	2.2W	V	V	V	V	Basic
CIP402	-22-VVN	120-240 Vac	2.2W	V	V	V	V	Basic



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Rev. 0

