RTCH864P

Controller for Medium and Low Intensity Obstruction Lights

Rev. 2.0 – 19 November 2018 **Product Datasheet**

General Description

The RTCH864P is an obstruction light controller for use with low and medium intensity obstructions lights. It provides GPS accuracy synchronization and full status information through a user friendly display.

It offers up to three alarms outputs based on severity levels configured by default or can be conveniently defined by the user. All the connections to the unit are made using connectors for easy installation and maintenance.

Key Features

- Supports up to three medium intensity RTCH864 obstruction lights or a combination of one RTCH864 and multiple low intensity RTCH810 obstruction lights.
- Built-in high accuracy GPS receiver for synchronization.
- Current sensing with 2.1 kVRMS voltage isolation.
- System status update on user-friendly display.
- Alarm output based on a defined severity policy.
- Supplied with obstruction light EMC shielded cable.
- Modular design for better EMC compliance.
- No maintenance required over service life.
- Three year limited warranty.

Certifications

- ICAO Annex 14, volume l; International standards and recommended practices: Aerodrome design and operations, 6th Edition, July 2013, Chapter 6.
- Federal Aviation Administration AC 70/7460-1L; Obstruction Marking and Lighting, October 2016.
- Administración Nacional de Aviación Civil C-090-001-2015; Circular Técnica de Balizamiento, May 2015.

radiosistemas

Electrical Characteristics

- Input Voltage: 170 – 264 VAC at 50/60 Hz.
- Output Voltage: 24 VDC.
- Power Consumption: 1W at idle operation.
- Limited overvoltage protection.
- Over temperature protection.

Physical Characteristics

- Weight: 2 kg.
- Operating Temperature Range: -40°C to +55°C.
- Storage Temperature Range: -55°C to +55°C.
- Relative Humidity: 95%.
- Aluminium body with powder coated finish.

Dimensions

Figure 1. Front View

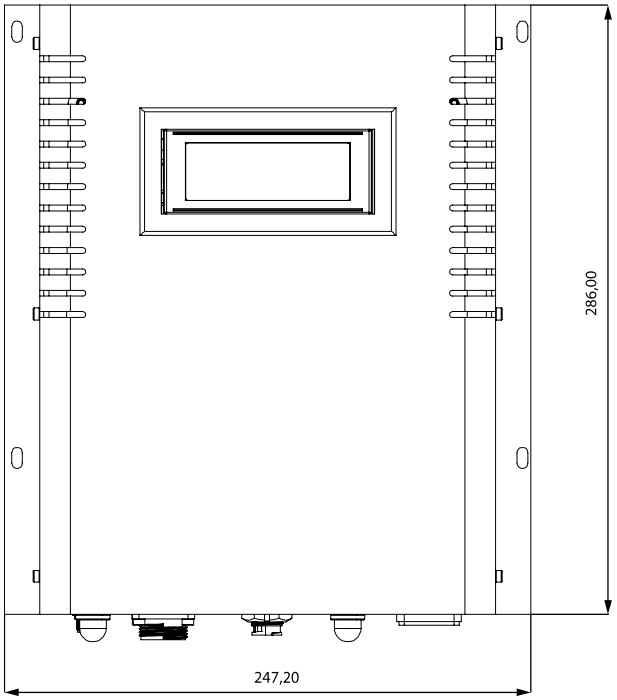
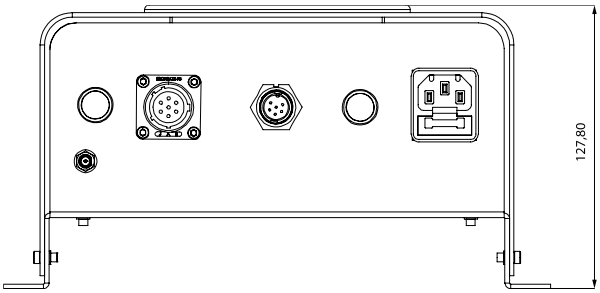


Figure 2. Bottom View



(*) All measurements are in millimeters [mm].