

MTF

Designed to manage lighting and rotating lighthouse systems

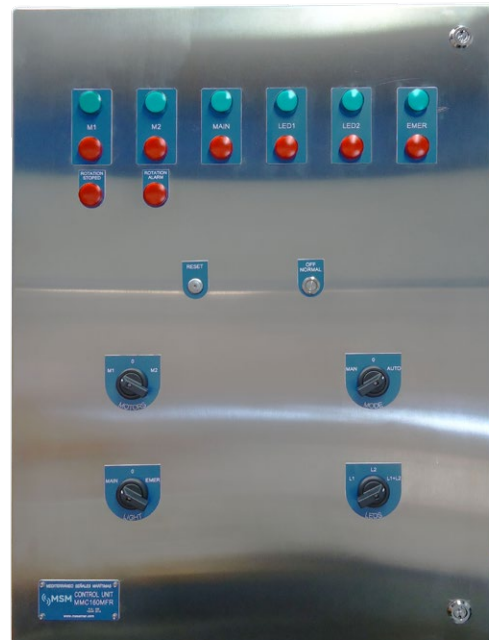
The MTF control unit has been especially designed to manage lighting and rotating lighthouse systems. Based on a programmable logic controller, fitted with all necessary elements for a complete operation. Its universal construction provides an easy adaptation to any type of existing lighthouse system.

Manufactured according to customer needs

This cabinet is manufactured specifically according to customer needs, without the need to use a programmable logic controller.

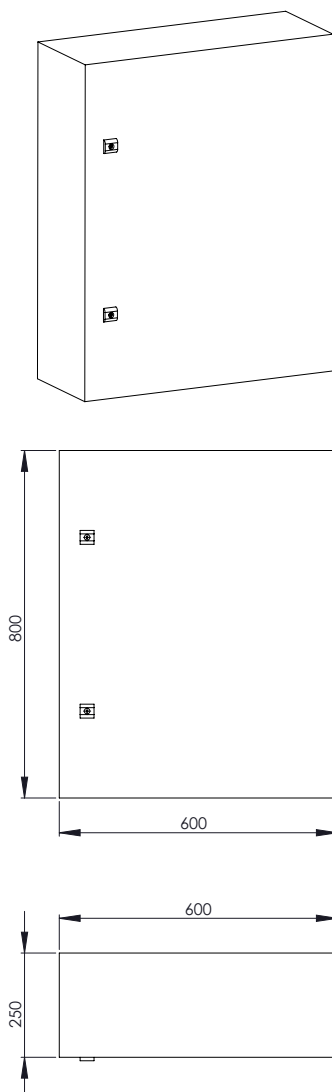
Connexion to a Remote Monitoring System

Inputs and outputs allow their connexion to a Remote Monitoring System. Optionally, a modem can be incorporated to transmit data to a Control Centre.



FEATURES

- Compatible with rotating and flashing lighthouses and beacons, with lamps and LEDs.
- Control and management of lampchangers and rotating motors, both a.c. and d.c.
- Automatic activation by external photocell. Main lamp to standby lamp switch-over in case of failure, making the same function from main motor to standby one when necessary.
- Emergency beacon activation in case of main system failure.
- Manual operation selectors.
- Rotation alarm detection for lighthouses by magnetic rotation sensor.
- Motor and lamp thermal protection against short-circuits.
- Protections against reverse polarity and atmospheric surges.
- Tailor-made cabinet according to customer requirements.



Technical specifications

Power supply range:	From 12 to 24 V d.c. From 120 to 240 V a.c.
Daily average consumption:	40 mA.
Max. lamp power:	3,000 W.
Max. motor power:	2,500 W.
Internal back-up battery:	12/24 V - 12 Ah.
Connexions to Remote Monitoring System:	RS-232 serial port and potential-free contact terminals.
Temperature range:	From -30° to 65°C.
Watertightness degree:	IP 65.
Material:	Stainless steel.
Dimensions:	800 x 600 x 250 mm.

Automatic basic functions

- Day/night control (light-sensitive photocell).
 - Main lamp control.
 - Standby lamp control.
 - Lampchanger control.
 - Main rotating motor control.
 - Standby rotating motor control.
 - Emergency beacon control.
 - Control of the mains voltage for switching to emergency beacon, in case of main system failure.
- Note: The unit has manual selectors for each one of the above functions, both for maintenance and emergency works in case of PLC failure*

Manual control

- Main lamp activation:** Standby rotating motor activation.
- Standby lamp activation:** Emergency beacon activation.
- Main rotating motor activation:** General system reset.
- Standby power supply system activation.

Operating status and alarms

- Operating lamps: main or standby beacon.
- Operating motor: main or standby motor.
- Main beacon supply voltage.
- Standby beacon battery voltage.
- Standby beacon battery charging current.
- Main beacon switch off.
- Power supplies switch off: main and standby.
- Standby beacon and standby power supply system activation.

Options

- Diesel generator control.
- Fire sensor control.
- Tamper sensor control.
- Surveillance camera control.
- Connexion modem to Remote Monitoring System.
- Expansion module with additional inputs and outputs.

! Specifications subject to change without previous notice.