

# MFR12 Repeater

## Multi-Function Color Repeater 12"

The multi-function color repeater displays alphanumeric data issued from one of the following sources:

- navigation network
- weather network
- weapon network
- any other specific displays, on request

Each repeater can display a unique screen page or a page chosen from a series of pages for a given type of ship and network.



## Characteristics

The cabinet can be flushed or bulkhead mounted. Data is displayed on a 12" TFT color screen. Available version: With a keyboard for menu and page selection  
Each page can be displayed in daylight or moonlight brightness adjustment until complete extinction.

### Interfaces

- Complying with EIA RS422 specifications (for standard version)
- NMEA 0183, IEC 61162 or customized protocol

### Technical features

- Inputs:
  - 1 x RS232,
  - 1 x RS422,
  - 1 x Ethernet RJ-45.
- Outputs:
  - 1 x RS232,
  - 1 x RS422 (option).

### Connection on connector

- Input/Output (RS422): Souriau socket male 14 points 851-02E12-14P50 with female plug 851-06EC12-14S50
- Power Supply: Souriau socket male 3 points 851-02E12-3P50 with female plug 851-06EC12-3S50
- Ethernet: RJ field Amphenol Socapex RJF 21G socket with plug RJField RJF 6MG

### Maintenance

- BITE (built-in test)
- 3 x internal led status
- Permanent autotest

### Display Features

- Resolution or pixel format: 800 x 600
- Brightness: 400 cd/m<sup>2</sup>
- Horizontal viewing range: 140°
- Vertical viewing range: 100°
- Contrast ratio: 600

### Environmental Features

- Lighting (typical brightness quotient):
  - artificial light: 100 lux
  - daylight: 10 to 10,000 lux,
  - moonlight: 0.01 lux.
- Distance: 4 m
- Side angle view: 70°
- Vertical angle view: - 55 to 45° with this condition
- Storage temperature: -30 to +70°C
- Operating temperature: -10 to +50°C
- IP 56 in standard
- Power supply: 110 VAC - 50/60 Hz or 230 VAC - 50/60 Hz or 28 VDC
- Power: 30 W

### Dimensions

- Length: 270 mm
- Width: 311 mm
- Depth: 124 mm
- Weight: 5 kg

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