

MFR12

Multifunction Color Repeater



Description:

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

- navigation network
- weather network
- any other specific network on demand

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.

Operation:

The repeater can be flush, bulkhead or shock absorbers mounted.

Data is displayed on a 12" TFT color screen.

For more information: benmarine@atos.net

Atos, the Atos logo, Atos|Syntel, and Unify are registered trademarks of the Atos group. January 2021. © 2021 Atos. Confidential information owned by Atos, to be used by the recipient only. This document, or any part of it, may not be reproduced, copied, circulated and/or distributed nor quoted without prior written approval from Atos.

CT-210118-RD-FS-MFR12

Interfaces:

- EIA RS422 with NMEA 0183 IEC 61162 protocol
- Ethernet 10Mbps with multicast and NAV1 protocols
- Other protocol on request

Technical features:

- Inputs: 1 x RS422, 1 x Ethernet
- Output: 1 x RS422

I/O Connectors:

- RS422 input/output: JD38999 serie 14 pins
- Power supply: JD38999 serie 3 pins
- Ethernet: RJFTV serie (RJ45)

Maintenance:

- Built-In-Test (BITE)
- 3 x internal LED status
- Permanent autotest

Display features:

- Resolution: 1024 x 768
- Brightness: 500 cd/m²
- Horizontal and vertical viewing range: -85° to +85°
- Contrast ratio: 1000

Environmental features:

- Lighting (typical brightness quotient):
 - Artificial light: 1,000 lux
 - Daylight: 10 to 10,000 lux
 - Moonlight: 0.01 lux
- Distance: 4m
- Horizontal angle view: 70°
- Storage temperature: -25 to +70°C
- Operating temperature: -15 to +55°C
- IP56 in standard
- Shocks and vibrations :
NF EN 60068-2-6 :2008
- EMC : IEC 60945 (2002)
- Power supply: 90Vac to 264Vac, 47 to 63Hz
- Consumption: 30W at 115Vac, 45W at 230Vac

Dimensions:

- Length: 270 mm
- Width: 311 mm
- Depth: 129 mm
- Weight: 5 to 7kg

Product references:

- NATO code: F7582
- References:
 - MFR12: 111204 (flush)
 - MFR12: 111205 (bulkhead)
 - MFR12: 111207 (shock absorbers)

Product designed and made in France by Atos.