MFR10

MULTI-FUNCTION COLOUR REPEATER 10.4''

The Multifunction colour repeater allows display of alphanumeric data issued from :

- navigation network
- wind network
- weapon network
- or any other specific displays, on request.

On NMEA0183 IEC 61162 or any other customized protocol.

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

PHYSICAL FEATURES

- Dimensions : 306 x 276 x 122mm
- Weight : 9 kg
- Power supply: 110VAC - 50/60Hz or 230 VAC - 50/60Hz or 28 VDC
- Power: 30 watts

Cast Aluminium box dim.
306 x 276 x 122mm.
The cabinet can be flush mounted or bulkhead mounted.

Data are displayed on a colour TFT 10.4'' Screen.

- Two display modes are available:
  - fixed page mode
  - selective page mode (using keyboard)
    Each page can be displayed in daylight or moonlight Brightness adjustment until complete extinction.

- Two versions are available:
  - with a keyboard for menu and page selection or
  - with a touch screen for menu and page selection.

TECHNICAL FEATURES

- Inputs :

  - One RS485/ 422/ 232

  - One ETHERNET RJ-45

  - One dry contact

- Outputs :

  - One dry contact for alarm

  - One dry contact for operational status (internal watchdog)

- Connection on connector

- Complying with EIA RS 422 specs (for standard version)

- Input/ouput (RS422, dry contact) : Souriau socket male 14pts 851-02E12-14P50 with female plug 851-06EC12-14S50

- Power supply : Souriau socket male 3pts 851-02E12-3P50 with female plug 85106EC12-3S50

- Ethernet : socket RJfield Amphenol Socapex RJF 21G with plug RJField RJF 6MG

MAINTENANCE
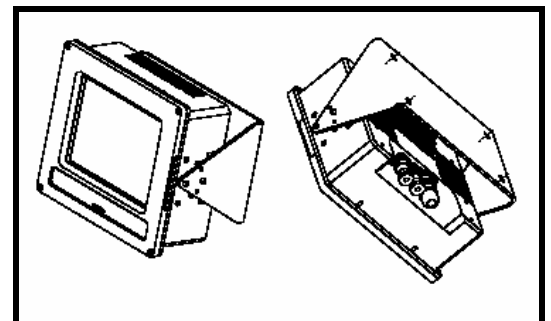
- BITE

- 3 x Internal Led status

DISPLAY FEATURES

- Resolution or Pixel format : 640 x 480

- Brightness : 350 cd/m^2

- Horizontal viewing range 140°

- Vertical viewing range 110°

- Contrast ratio : 300

ENVIRONMENTAL FEATURES

- Storage T° : -30°C/ + 70°C

- Operating T° : -10°C/ + 50°C

- IP 56 in standard

- For higher IP, please contact i2e DiFFUSiON

The MFR is qualified to French Navy and NATO standards according to the latest GAM EG-13 Norm

APPLICATION FIELDS

- Submarines,
- Surface Ships.

THIS DATA SHEET IS SUBJECT TO ALTERATION WITHOUT NOTICE.

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