



amesys  
BEN

## MFR12

### MULTI-FUNCTION COLOUR REPEATER 12"



*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/output (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

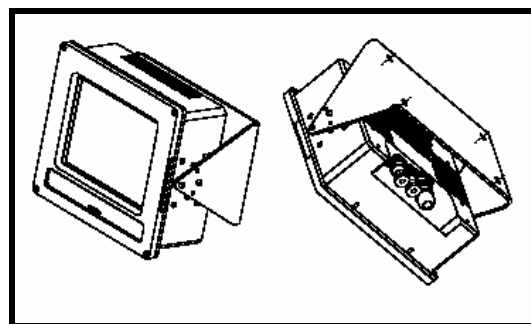
## DISPLAY FEATURES

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

## 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.

