



COMPASS & HEADING / DIGITAL REPEATERS

MD74HR DIGITAL COMPASS REPEATER DISPLAY

SKU: MNE-0064

FEATURES

- **Back-lit LCD Heading Display and Heading Type with red tint**
- **High visibility red LED Turn Indicator**
- **No internal moving parts**
- **NMEA 0183 Digital Input**
- **Automatic selection and prioritisation of NMEA heading data type**
- **Automatic indication of loss of valid heading data**
- **Automatic detection of previously lost heading data without requiring a reset**
- **True / Magnetic Source Indication**
- **Rugged Construction**
- **Local Dimming Control**

OVERVIEW

The MD74HR is a NMEA-based heading repeater with an LCD display. Digital heading data (ship's heading) may be conveniently displayed at any location on a vessel. The MD74HR features a high visibility LED Turn Indicator which can display either Rate of Turn or Course to Steer. Compact and rugged, the MD74HR offers a heading repeater solution for locations where the available space is limited and may be either bulkhead or panel mounted. Finished in jet black to complement other marine navigation equipment.

The MD74HR Heading Repeater from Marine Data: compact and rugged, flexible in application, easy to install and simple to maintain.

APPLICATIONS

- Repeats the heading display of a ship's magnetic or gyro compass at any convenient location on a vessel

ACCESSORIES

- MD74TB - Bulkhead Mounting Kit
- MD74DIM - Remote Dimming Control

RELATED PRODUCTS

- [MD74HR/W](#) - Weatherproof Digital Heading Repeater
- Transmitting Heading Device (THD) System ([TMC](#) and [EMC](#))



PHYSICAL

Weight:	1.0 kg
Dimensions:	H 137 mm; W 250 mm; D 78 mm (on bracket) Fascia: 192 x 97 x 6 mm
Mounting:	Panel mount or Bulkhead mount (accessory)
Connections:	1 x 5-way screened cable to D-sub connector
Construction:	Aluminium alloy enclosure
Finish:	Jet Black (RAL9005) Fine-texture Powder Coat

ELECTRICAL

Power Supply:	24 V dc nominal; 4 watts max; 18-32 V dc
Data Protocol:	Digital RS422 NMEA 0183; 4800 / 9600 / 19200 / 38400 Baud, auto-selecting
Data sentences:	THS, HDT, HDG and HDM; detected on start-up in descending order of priority
Cable:	2.5 m multicore data cable with D-sub connector to bare tail

APPROVALS

Conforms with:

- BS EN 60945:2002 (BSI, 2008)
- BS EN 61162-1:2016 (BSI, 2016)
- BS EN 62288:2014 (BSI, 2016)
- BS ISO 8728:2014 (BSI, 2014)
- BS ISO 16328:2014 (BSI, 2014)
- IMO Res. A.424(XI) (IMO, 1979)
- IMO Res. A.821(19) (IMO, 1995)
- IMO Res. MSC.36(63) (IMO, 1994)
- IMO Res. MSC.97(73) (IMO, 2000)
- IMO Res. MSC191(79) (IMO, 2004)

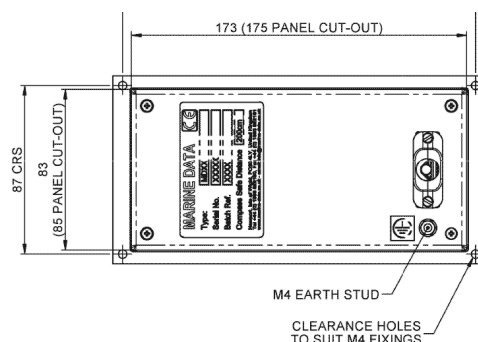
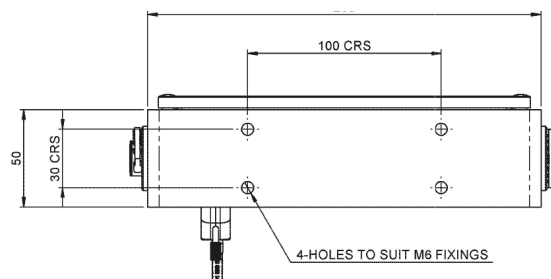
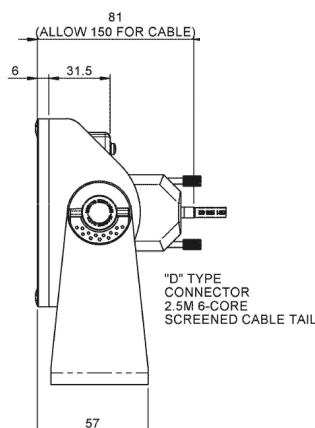
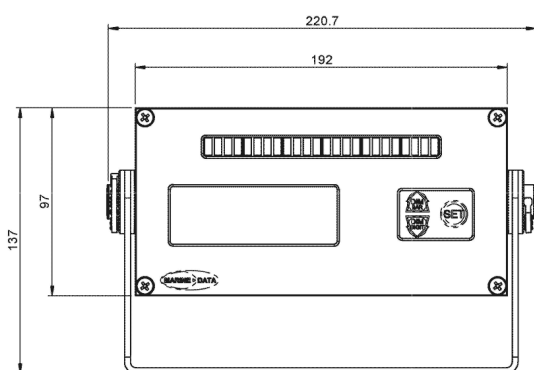
Type Approval: DNV

OPERATIONAL

Performance:	± 0.1° resolution
Follow-Up Rate:	>20° per second
LCD Display:	Numeric Heading Data with Heading Type
LED Display:	Visual Turn Indicator (24 segments)
Resolution:	LCD Display ±0.1°, LED Turn Indicator: 1°
Illumination:	LCD Backlight: Red tint; LED Display: Red; variable dimming
Error Indication:	Indication displayed on-screen

ENVIRONMENTAL

IEC 60945 Equipment Category:	Protected Area
Operating temp:	-15°C to +55°C
Magnetic	Magnetic Permeability: Category 'A'
RoHS:	Compliant
Compass Safe Distance:	Standard: 85cm Steering: 45cm



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All dimensions in mm