

LCD COMPASS REPEATER WITH LED TURN INDICATOR

MD74/8

- A rugged steering compass repeater with LCD heading display and LED turn indicator
- LED turn indicator can display Rate Of Turn or Course To Steer
- Compatible with NMEA 0183 heading data sentences and Step (S-Type) transmissions
- Automatically detects and prioritises the available NMEA heading data for display
- Bracket mounted or panel mounted
- Controllable display illumination
- Suitable for workboats, tugs, fishing vessels and pleasure craft
- Rugged, marinised aluminium alloy construction

The MD74/8 LCD Compass Repeater with LED Turn Indicator from Marine Data.



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SPECIFICATIONS

Physical

- Weight: 1.1kg
- Dimensions: 236mm overall width; 95mm overall depth; 144mm overall height (on brackets with front face vertical)
- Mounting: Panel mounted or bracket mounted
- Connections:
- (1) NMEA: 1 x 5-way 2.5m screened cable to 15-pin D-sub plug
- (2) Step (S-Type): 1 x 7 way 2.5m screened cable to 15-pin D-sub plug
- Construction: Aluminium alloy enclosure
- Finish: Stove enamel, black-grey RAL7021

Electrical

- Power Supply: 24V DC
- Data input (1): Digital RS422 NMEA 0183; 4800 BAUD; 1 start bit; 8 bits; no parity; 1 stop bit
- Data input (2): Step (S-Type) at 24V, 35V, 50V & 70V DC
- NMEA 0813 data sentences detected: HDT, HDG and HDM; detected on start-up in descending order of priority
- Additional cable: Data cable 7/0.2 (7 conductors, 0.2mm² each)

Operational

- Performance: $\pm 0.5^\circ$ accuracy
- Follow-up rate: 12° per second
- Display: Backlit liquid crystal display (LCD) for heading data; red light emitting diode display (LED) for turn indicator (24 segments)
- Display backlighting: Red, level of illumination variable
- Display resolution: 1°
- Loss of valid data: LCD display flashes at 1Hz whilst showing the last known good heading (this is an alert condition)

Environmental

- IP rating: IP54 (IP65 version available)
- Operating temperature: -10°C to +70°C
- RoHS compliant

Additional Information

- The MD74/8 LCD repeater is available in a version specially sealed to IP65. The IP65 version is supplied with a sealed captive cable made to the required length and suitable for either NMEA or Step (S-Type) operation
- Independently tested to IEC60945: 2002 by TÜV Product Service Ltd.



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MARINE DATA, Vittlefields Technology Centre, Forest Road, NEWPORT, Isle of Wight, PO30 4LY, United Kingdom
tel: +44 (0)1983 822180 fax: +44 (0)1983 822181 email: sales@marine-data.co.uk web: www.marine-data.co.uk

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