

# Marine Data

## Rudder Angle Indicator MD74RDI



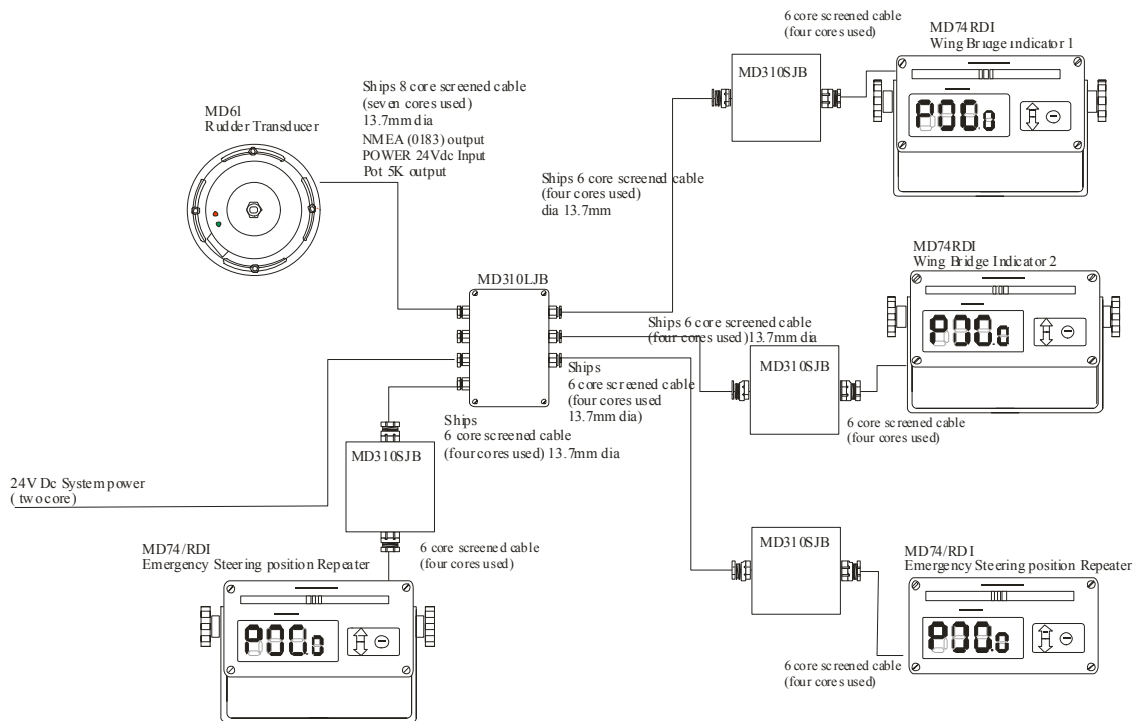
Vittiefields Tech. Ctr. Forest Road,  
Newport, Isle of Wight, PO30 4LY, UK.  
Telephone: +44 (0)1983 822180  
Facsimile: +44 (0)1983 822181  
E-mail: sales@marine-data.co.uk  
Web: www.marine-data.co.uk

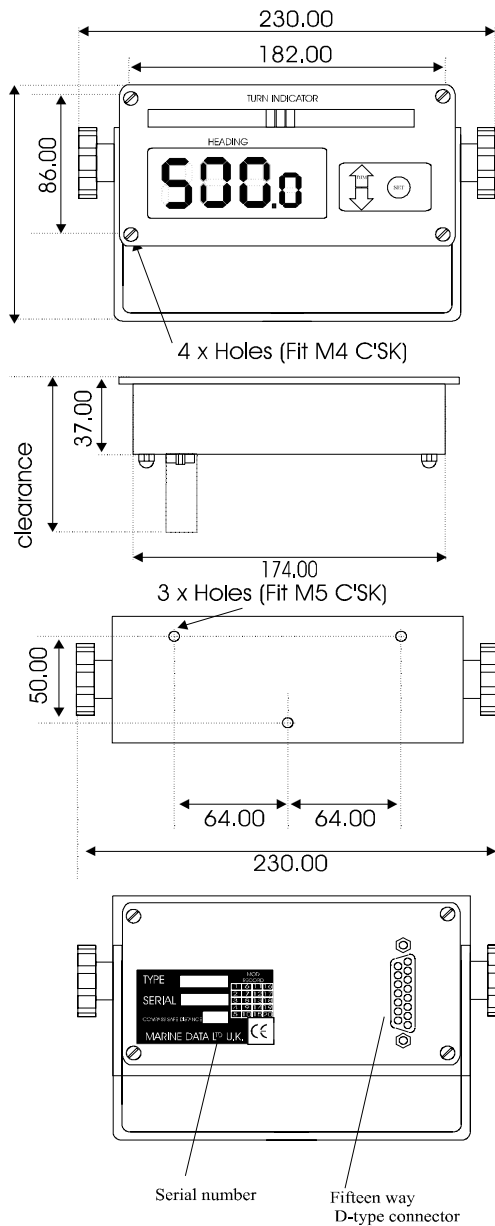
The Marine Data MD74RDI is a four digit, digital rudder angle indicator, which accepts a digital input of NMEA 0183 from a Marine Data Rudder Angle Transmitter, (MD61).

The repeater can either be console mounted or bulkhead mounted with its supplied trunion bracket. In addition to the display this repeater has an additional bar graph display which can be used to indicate port or starboard manoeuvres.

This system is suitable for most military and commercial vessels.

Figure I.2 Rudder Angle Indicator System Block Schematic





## SPECIFICATION FOR MD74RDI

### Physical

#### Overall Dimensions

Height : 97mm  
 Width : 192mm  
 Depth : 40mm

(125mm allowing for plug and cable clearance)

Weight (nominal) : 2.7kg.

Mounting options : Panel or Bulkhead.

Finish : Light Weather-work Grey (BS3816-676).

Construction : Aluminium

### Electrical

Power supply : 24V Dc 10 Watts.

Data Input : NMEA

Type: (RS422/RS485)

4800 Baud 8 data bits, 1 start bit, 1 stop bit, no parity

Data Word \$XXRSA,X.X,A,X.X,A\*HH<CR><LF>

### Operational Features

Dynamic performance: The Display has a resolution of one tenth of a degree

### Environmental

Splash proof to : IP65.

Temperature : -15°C to 45°C.

Humidity : 0% to 95% at 40°C.

Vibration:-

1-12.5Hz ± 1.6mm

12.5Hz - 25Hz ± 0.38mm.

25Hz - 50Hz ±0.1mm.

Magnetic Permeability: Cat. A

(Acceptable for embarkation within volumetric allowances.