

# Mounting instruction compass transducer

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## 1. GENERAL

The compass transducer is an electronic, liquid damped, fluxgate transducer designed to meet the requirements of owners to both sailing crafts as well as power boats.

## 2. PART SPECIFICATION

- 1# Mounting instruction
- 1# Warranty card
- 1# Compass transducer with 8 m cable
- 4# Stainless steel screws
- 5# Cable protectors 0.25 mm
- 5# Cable protectors (0,75 mm)

## 3. LOCATION OF THE COMPASS TRANSDUCER

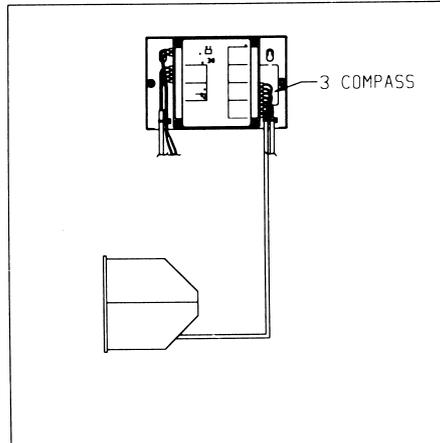
The transducer must be positioned reasonably well away from magnetic disturbances such as objects containing iron, i.e. Loudspeakers, cables carrying high levels to transmitting antennas etc.

\*The transducer should be as close as possible to the boat's centre of gravity.

## 4. INSTALLATION

The transducer should be mounted so that the arrow is pointing forward and parallel to the boat's centreline. The cable outlet must be at the bottom.

The transducer can also be mounted so that the arrow is pointing backwards. **Note!** The adjustment of misalignment or A-fault must be set to 180°. See calibration routine C36 in the Multi Control instrument.



The transducer cable is clearly marked with No 3 and the colours will correspond to the input screw terminal on the Server.

If the 8 m transducer cable needs to be cut, use the supplied extra cable protectors. Press the protectors on to each wire with a pair of flat pliers.

## 5. CALIBRATION

The compass transducer is Auto-deviated in the Multi Control instrument (see manual).

## 6. TECHNICAL DATA

The transducer produces a PWM output.

Dimensions:	125 x 140 x 120 mm (5" x 5 1/2" x 4 3/4")
Transducer cable:	8 m
Power supply	12V DC (10-16V)
Power consumption:	0,4 W
Range:	10 - 45 uT
Accuracy:	± 1°
Temperature range:	Operating -5°C to +70°C Storage -20°C to +80°C
Heeling angle:	45° maximum in all directions.
Heeling error:	Max ± 2.5° at 45°, referring to a digitally adjustment instrument at 15.4 uT horizontal flow and 46.5 uT vertically.
Resolution:	13 bit + sign.

## **7. WARRANTY**

The manufacturer gives a two year warranty against manufacturing faults or faulty components. The supplied warranty card together with a purchasing receipt must be shown if a warranty claim is made. The warranty does not apply to damage caused by careless handling, faulty installation nor for damage caused by not fusing the instrument according to the instructions. The right to change the specification is reserved by the manufacturer.