



Set 8 Close Hauled Direction Instrument

Introduction

The Midas Set 8 close hauled indicator is a precision marine instrument for sailing and racing, providing an indication of apparent wind direction of 0-50 degrees port and starboard over a 270 degree angle. Raw data on wind direction is obtained from the same transducer as that of the primary wind direction instrument.

Midas Marine Instruments are designed and manufactured for use in yachts and pleasure launches; they are sold with a 24 month guarantee from the date of purchase.

Specification

Set 8 close hauled indicator:

Range: 0-50 degrees port and starboard

Resolution: essentially infinite

Accuracy: < +/- 4%

Supply voltage(Backlighting):

11.5-16V DC regulated

Current drain: (Backlighting) 50mA max.

The performance of any instrument depends upon:

The selection of an instrument suitable for the intended use

The quality of its design and manufacture

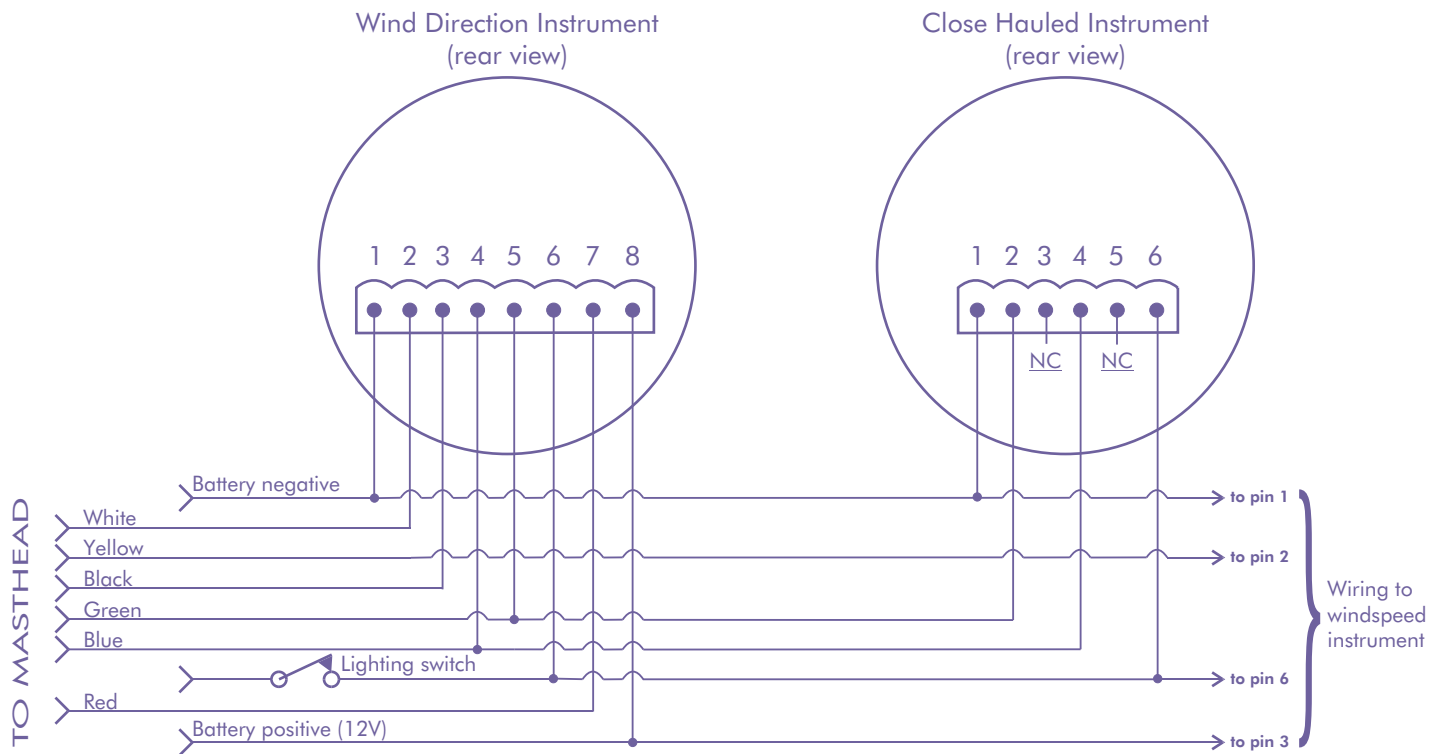
The standard of workmanship and quality of components used in the installation

The environment into which it has been installed

Midas instruments are not difficult to install or set up, and providing some simple rules are followed during installation, excellent performance will be obtained from the instrument.

Fitting the instrument

The instrument case can be mounted by cutting a 105mm hole in a bulkhead or console and sealing it into place with a bead of silicone rubber on the back of the front flange. The instrument may then be secured using the supplied stainless self-tapping screws or bolted if desired. Note: although all our instruments are waterproof in front, care should be exercised when selecting the location so that moisture can not enter the rear of the instrument.



MIDAS Wind Direction and Close Hauled Interconnection wiring diagram

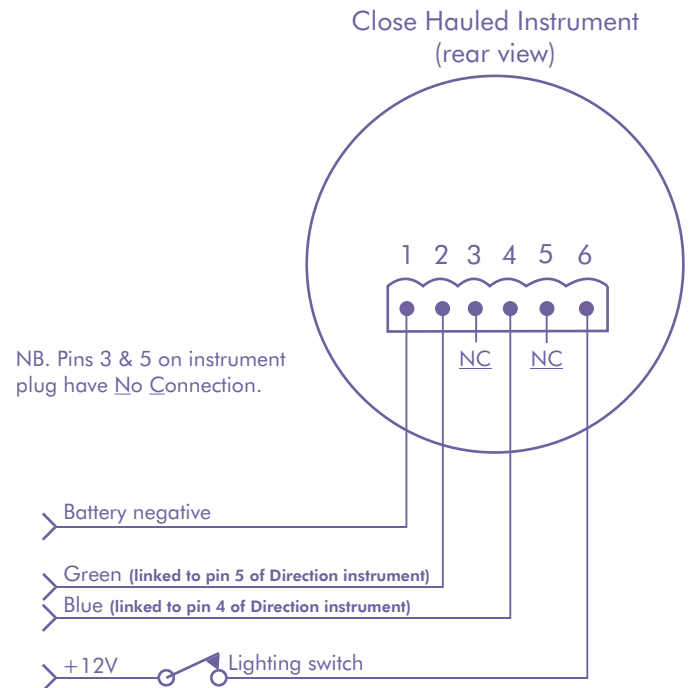
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Electrical Connections

Wire the installation in accordance with the circuit diagram. DO NOT make the final battery connections until all the wiring has been rechecked. The connector wires should be tinned copper about 14x0.2mm, 7x0.3mm or 0.5sq mm conductor to provide greater resistance to corrosion. Cables larger than this are not recommended as they are difficult to terminate on the plug. **Note:** the plug can be removed from the back of the instrument for easier termination, then refitted. The wires can be brought out the back through the knock-out in the back cover, or by drilling a hole at the desired point.

The instrument utilises LED backlighting drawing approx 40mA. The light circuit could be connected to an existing lighting circuit, the navigation lighting circuit, or the instrument power circuit (i.e. link pins 8 & 6 of the direction instrument). Lightly spray or grease all connections with a waterproof grease or petroleum jelly.

Manufactured by:
 Marine Instruments Ltd.,
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NB. Pins 3 & 5 on instrument plug have No Connection.

MIDAS Set 8 Close Hauled wiring diagram

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Serial #