DESIGNED AND MANUFACTURED IN ENGLAND

INSTALLATION AND USER INSTRUCTIONS for

CANBUS
NMEA 2000
WIND SENSOR

NASA
MARINE INSTRUMENTS

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RoHS ✔
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CANBUS NMEA 2000 WIND SENSOR

The NASA Marine canbus translator converts the NMEA 0183 output of a NASA Marine wind sensor to the canbus J1939 format. It is equipped with a short drop cable terminated in a micro-c plug for connection to an existing NMEA 2000 network. The canbus data (PGN 130306) is broadcast to all nodes on the network and the network supplies power to the sensor. The NMEA 0183 output can also be used to drive compatible displays.

INSTALLING THE MASTHEAD SENSOR.

Carefully remove the four screws from the clamping plate on the MHT. Fully insert the short end of the anodised tube into the slot on the underside of the MHT then replace the clamping plate and four screws. Drill the mast and fit the long end of the tube to the mast using the mounting block as shown in figure 1.

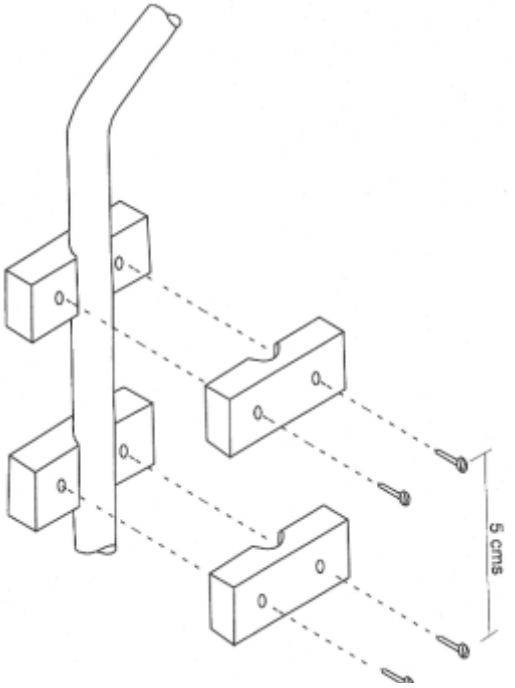

FIG 1

CONNECTING AN EXISTING NMEA 0183 WIND SYSTEM TO A NMEA 2000 NETWORK.

Simply connect the NMEA 0183 output from the wind system to the blue input of the translator and plug the micro-c connector into the network. If there are no spare inputs on the network, spare "T" connectors are available from NASA Marine.

CONNECTING A VERSION TWO WIND SENSOR TO AN EXISTING NMEA 2000 NETWORK.

Run the cable down the mast, connect to the translator as shown in Fig 2 and then plug the micro-c connector into the NMEA 2000 network.

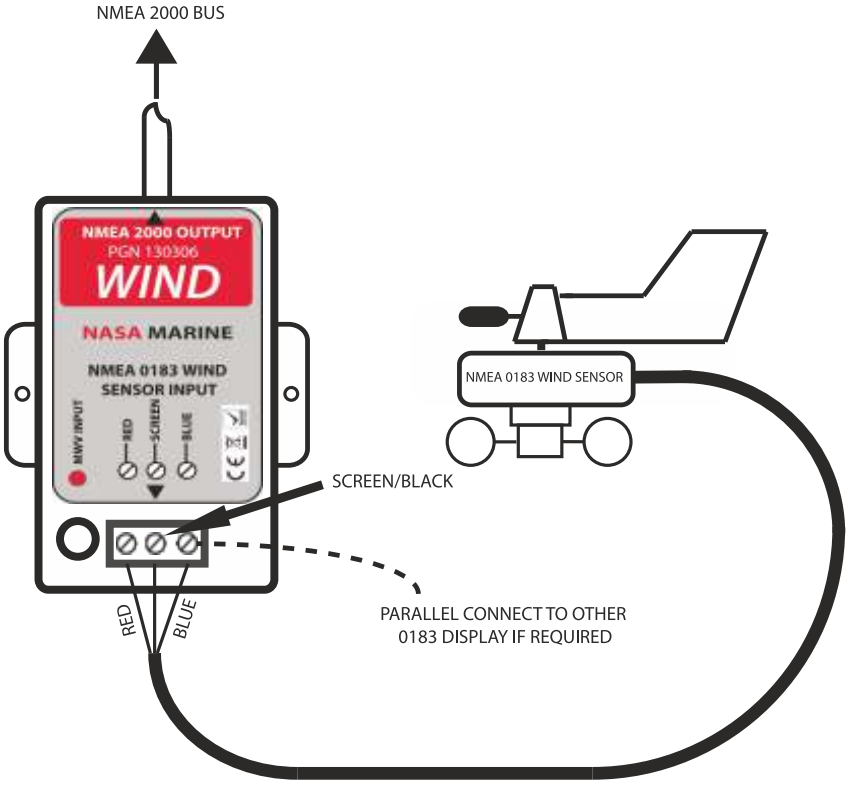

FIG 2

ALIGNING THE "DEAD AHEAD" SETTING - WIRED V2 MAST UNIT

Switch on the power and point the wind vane to the dead ahead position. Using a short length of wire, touch the ends to the tops of the screws clamping the blue and the black wires of the wind sensor. This will momentarily connect the blue wire to ground and reset the mast sensor to zero dead ahead position. Remove the wire link. The dead ahead position is stored in memory.

CONNECTING A NASA MARINE WIRELESS WIND SENSOR TO AN EXISTING NMEA 2000 NETWORK.

Connect the wireless wind receiver to the translator as shown in fig 3 and then plug the micro-c connector into the NMEA 2000 network.

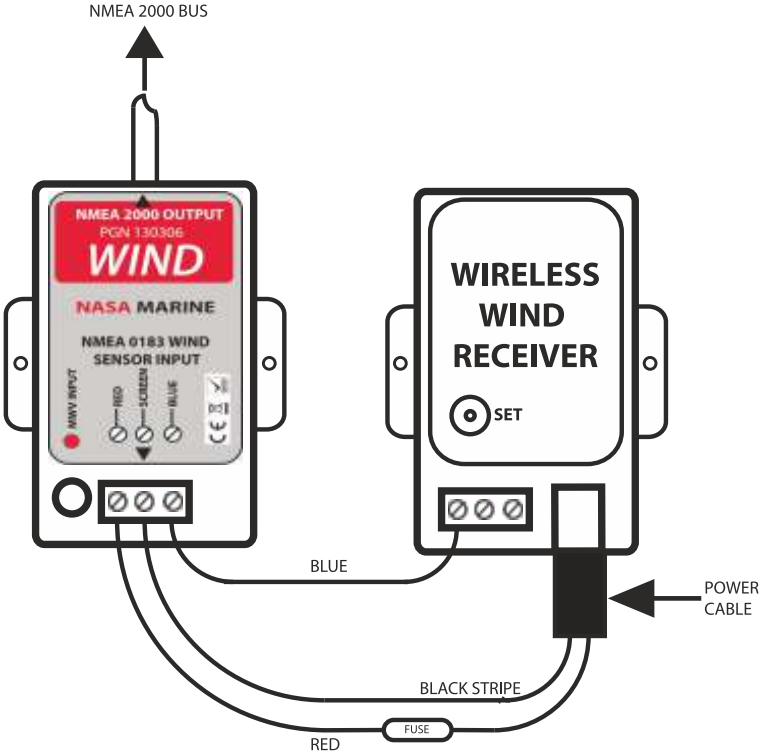

FIG 3

ALIGNING THE "DEAD AHEAD" SETTING – WIRELESS MAST UNIT

To calibrate the direction, point the wind vane to dead ahead then press and hold the "**SET**" key until the LED glows steadily. Releasing the key returns to normal operation with the dead ahead position reading zero degrees.

OPERATION.

When power is applied the LED will glow for 3 seconds then will briefly flash each time the translator receives a valid message. Each valid message results in the broadcast of the canbus data frame to every node on the network.

PROBLEM SOLVING.

(1) The LED does not illuminate for three seconds when power is turned on.

There is no power getting to the translator. Check the connections to the network.

(2) The LED lights for three seconds when power is applied but then remains off.

There is no valid NMEA0183 sentence detected by the translator. Check connections between the NMEA 0183 sender and the translator. Ensure that both sender and driver are connected to the same negative supply. Ensure also that the sender instrument is properly set to output the message required by the translator.

(3) The LED regularly flashes on receipt of valid data but data is not available on the NMEA 2000 network.

Check that the micro-c connector is connected to the NMEA2000 network. Check that the NMEA 2000 instrument is properly configured to receive the parameter group number (PGN) broadcast by the translator.

IMPORTANT READ THIS BEFORE UNPACKING INSTRUMENT

Prior to unpacking this instrument read and fully understand the installation instructions. Only proceed with the installation if you are competent to do so. Nasa Marine Ltd. will not accept any responsibility for injury or damage caused by, during or as a result of the installation of this product. Any piece of equipment can fail due to a number of causes. Do not install this equipment if it is the only source of information and its failure could result in injury or death. Instead return the instrument to your retailer for full credit. Remember this equipment is an aid to navigation and not a substitute for proper seamanship. This instrument is used at your own risk, use it prudently and check its operation from time to time against other data. Inspect the installation from time to time and seek advice if any part thereof is not fully seaworthy.

LIMITED WARRANTY

Nasa Marine Ltd. warrants this instrument to be substantially free of defects in both materials and workmanship for a period of one year from the date of purchase. Nasa Marine Ltd. will at its discretion repair or replace any components which fail in normal use within the warranty period. Such repairs or replacements will be made at no charge to the customer for parts and labour. The customer is however responsible for transport costs. This warranty excludes failures resulting from abuse, misuse, accident or unauthorised modifications or repairs. In no event shall Nasa Marine Ltd. be liable for incidental, special, indirect or consequential damages, whether resulting from the use, misuse, the inability to correctly use the instrument or from defects in the instrument. If any of the above terms are unacceptable to you then return the instrument unopened and unused to your retailer for full credit.

Name _____

Address _____

_____

Dealer Name _____

Address _____

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Date of Purchase _____

Proof of purchase may be required for warranty claims.

Nasa Marine Ltd.
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EU Declaration of Conformity
This declaration is issued under the sole responsibility of NASA Marine Ltd. This product is in conformity with the relevant Union harmonisation Legislation. Harmonised standards applied: EU directive 2014/30/EU (Electromagnetic compatibility) EN60945:2002-08

The original Declaration of Conformity certificate can be requested at info@nasamarine.com
THIS PRODUCT IS INTENDED FOR USE ONLY ON NON SOLAS VESSELS

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