

6 WindyPlug: connecting a CV7 to a NMEA2000 network

6.1 TYPICAL INSTALLATION OVERVIEW



The WindyPlug option is compatible with all CV7 sensors.

6.2 RECOMMENDATIONS

The WindyPlug must be located in a protected area and subject to atmospheric pressure.

Do not attempt any modification to the unit.

Never paint any part of the unit or alter its surface in any way.

Warranty is void in case of non-following the instructions of use, repair or maintenance without written authorisation.

6.3 INSTALLATION

WindyPlug allows connecting a CV7 to NMEA2000 system. It features also an atmospheric pressure and ambient temperature sensor.

Its MICRO C male plug connects directly to the NMEA 2000 backbone.

You may need to add a T connector (not supplied).

6.4 CONNECTIONS

The CV7 comes with a 25 metres cable featuring crimp terminals. If the cable is cut to shorten the length, it is strongly recommended to use new terminals for a proper connection. The CV7 must be connected to the WindyPlug prior to plugging the device to the NMEA2000 backbone.

Open the protective cap and slide the 4 wires through it one after another, and then, the cable's cover.



Insert the wires terminals in the connectors, colour for colour. Just push them, they will be trapped in place.

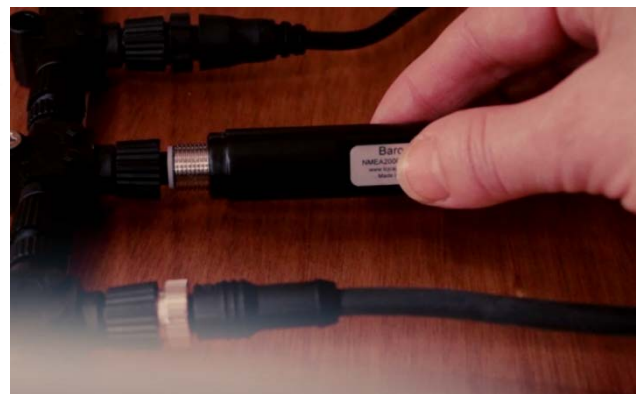
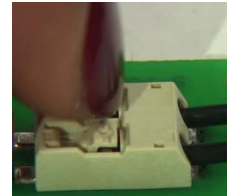
Blue	0V - power supply
Red	12V + power supply
Green	NMEA -
Yellow	NMEA +

Push the protective cap back in place. The hole in the cap must be aligned to the Led indicator.



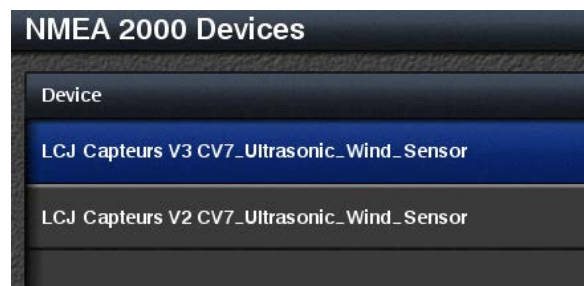
Once the CV7 connection is completed you can plug the WindyPlug to the NMEA2000 backbone.

If it happens that you need to disconnect the CV7 wires, simply press on the push-button for easy release.



6.5 DATA SOURCES

Select the data sources on a multifunction display of your NMEA2000 system. You will be given the choice between V2 and V3 depending of your NMEA2000 system's version.



6.6 TECHNICAL SPECIFICATIONS

L 81 mm X Ø 17.5 mm

Weight: 35 g

Connector: MICRO C male NMEA2000

Protection: IP66 (WindyPlug connected)

Power supply: via NMEA2000 network. 8V / 28VDC

Consumption: 1 LEN / < 40mA with sensor.

Operation indicator: 1 flashing LED

Pressure sensor: Hydrophobic membrane

Pressure's measure range: 850 hPa / 1150 hPa

Resolution*: 1 hPa with NMEA2000 Version 2 systems

0.1 hPa with NMEA2000 Version 3 systems

Relative accuracy*: +/- 0.5 hPa @ 20°C

Absolute accuracy*: +/- 1.5 hPa @ 20°C

*1 hPa = 1 mBar = 0.003 inHg / 0 °C = 32 °F