

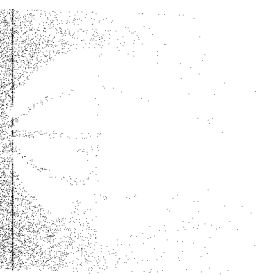


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c-net

WIND

User's Guide

another
Cetrek
® prod. 16

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Cetrek[®]

AUTOPILOT & CONTROL SYSTEMS

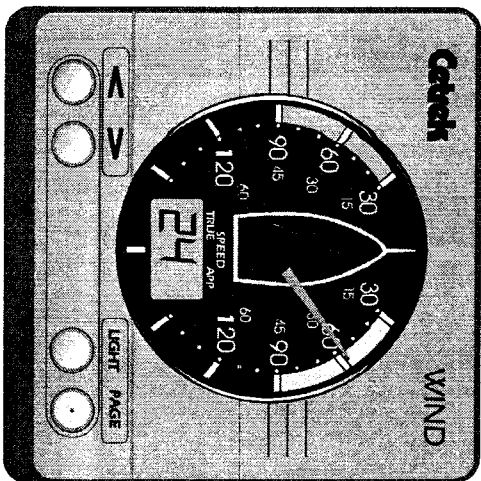
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Introduction

Thank you for buying this C-net product. We wish you to enjoy your boating and intend that all C-net instruments enhance your pleasure.

The instruments are designed to present the information that you want in a clear, easy to read manner, safely and reliably.



The 930-384 C-net WIND

If you are installing more than one instrument from the C-net range, the units can be networked together. This means that the instruments are all connected in a chain by the 5 way "C-net" cable (the C-net Bus). This cable carries power and shared data to all the other instruments connected in the chain.

This makes initial installation and subsequent system expansion quick and easy. If you want a second Display or Display suite somewhere else on the vessel, all that needs connecting is the C-net cable.

Using the Instrument

The C-net WIND Instrument has two displays:

- a digital display of wind speed
- an analogue display of wind direction

The wind speed and direction can be displayed as either Apparent or True. When the digits on the LCD are to the right-hand side (under the text "APP") the displays indicate Apparent readings. When the digits are to the left-hand side (under the text "TRUE") the displays indicate True readings.

In addition the C-net WIND has an Amplified Wind Angle option which magnifies the needle movement to make wind angle readings more accurate.

Operation

When first powered up the instrument will display '888' on the LCD. The display will then show the software revision as 'r' followed by a number 10 or greater. This will change to 'Pr' followed by a number indicating the Product Type that the unit is currently set to.

The display will now count down for 5 seconds, while the internal filters settle, then change to indicate the Apparent Wind Speed while the pointer on the analogue scale shows the Apparent Wind Direction.

TRUE APP

23

TRUE APP

22

To display True Wind Direction and True Wind Speed, press the **PAGE** button. The wind speed on the LCD is now displayed on the left-hand side of the display to indicate True wind readings. True Wind Direction and Speed will only be displayed if heading and boat speed information are available to the C-net WIND unit.

There are two wind angle scales on the display, the smaller figures (half the value of the outer scale) allow for greater needle sensitivity and more accurate readings, especially when sailing upwind or downwind.

To engage the Amplified Wind Angle option press and hold the **PAGE** button until flashing dots on the LCD display indicate that the Amplified Wind Angle option is active. To return to the standard scale simply press and hold the **PAGE** button again until the flashing dots are no longer displayed.

TRUE APP
4.92

If the vessels speed information is available from the C-net Bus or from an NMEA Input; a further press of the **PAGE** button will then display the VMG (Velocity Made Good) on the LCD and the apparent wind direction on the analogue scale. A decimal point indicates that VMG has been selected.

TRUE APP
P06

The final LCD display option is the Peak Gust Display. This shows the peak wind speed value since switching the unit on. It is reset either by turning the unit off, or by adjusting the wind speed alarm value.

Lighting

To set the instrument's backlighting brightness simply press the **LIGHT** button until the desired lighting level is reached. Each press of the button will step through the cycle "Off, Low or High".

This also sets the back lighting of any other C-net Instruments connected by the C-net Bus.

Alarms

The C-net WIND is able to show a range of alarm conditions on its LCD display. However, only one alarm, the Wind Speed Alarm, may be selected and controlled by the user.

Wind Speed Alarm

To set a speed threshold value press the **⊖** and **⊕** buttons together to access the Installation Settings Menu. Using the **PAGE** key, cycle through the options until the LCD display the alarm option "A00".

TRUE APP
A04

Using the **⊖** and **⊕** buttons set a speed threshold value. This value will be in knots irrespective of the units selected for the wind speed display. To switch the alarm off set the alarm threshold speed value to zero.

Once the desired value is shown, use the **PAGE** button to cycle to the end of the Installation Settings Menu. Once "END" is displayed press the **⊖** button to exit the routine.

During normal operation the display will flash as a warning, to indicate when the wind speed threshold has been passed. The display will stop flashing once the wind speed drops below the threshold setting.

Alarm Conditions

If an alarm occurs the LCD will display an alarm code and the internal sounder will activate. When the **PAGE** button is pressed the display will return to its original mode.

The alarm display will be added to the cycle of LCD messages available, so that it can be viewed by pressing the **PAGE** button repeatedly.

These are the alarms that we hope you never see:

TRUE APP
F01

C-net NETWORK BUS OR NMEA IN ERROR

Check connections and cables, then turn the unit off and back on again. If the fault persists, contact a Cetrek Dealer.

TRUE APP
F02

COMPASS DATA MISSING

The Product Type has been set incorrectly. See Page 9.

TRUE APP
F04

WIND DATA MISSING

Check the connections to the Masthead Sensor.

TRUE APP
BRL

The battery voltage is less than 10V for a 12V system or less than 20V for a 24V system.