



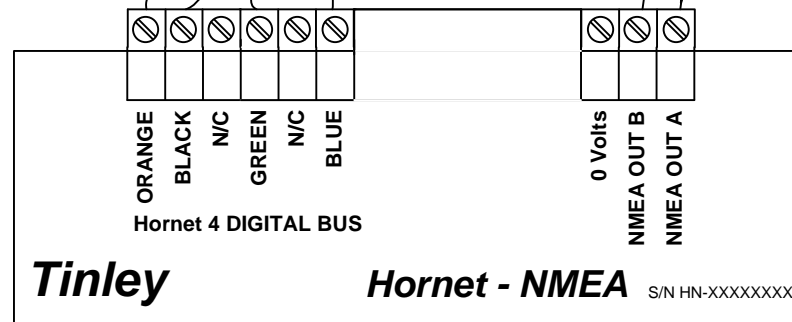
Tinley Electronics 'Hornet NMEA' Installation Diagram

B&G Hornet 4
Digital Repeater Bus
Terminals 12, 13, 14 & 17

Hornet 4 must be in factory default
set up as follows:

Boat Speed in 2 decimal places
Wind Speed 1 decimal place
Wind Angle +/-180 relative to bow

See page 4&5 of Hornet 4 user
manual



OUTPUT: NMEA 0183 V3.01

Typical output sentences once per second as follow:

```
$IIMWV,330,R,21.7,N,A*17<CR><LF>
$IIVHW,,,,,3.50,N,6.48,K*40<CR><LF>
$IIVWR,030,L,21.7,N,40.3,M,11.2,K*7B<CR><LF>
```

Note: Some interfaces that are not compliant with NMEA 0183 or EIA-422, (PC's for example), can cause a conflict with this output. This results in excessive current drawn and corruption of data. If this happens connect 'Output A' as the output signal and use '0 Volts' as signal ground. Do not connect NMEA Output B to 0V or ships ground.

Specifications for software version 3.0:

Current consumption dependant on load but typically 45mA
Output drive capability 60mA maximum
Output in accordance with the EIA-422 specification

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