

## 0183 to 2K Wind Converter



### FEATURES

- Interfaces NMEA-0183 Wind to 2K
- Push-button to set wind DIR = 0
- Screw terminals for 0183 termination for mast and deck cabling
- Plugs directly into 2K
- Powered from 2K

The A5905 passes the wind information from a NMEA-0183 masthead device—such as the Autonnic A5120—to the NMEA 2000 bus devices. The wind data is re-packaged from the 0183 to a 2000 format.

In this way a masthead unit can be installed with easily cut cable threaded through the mast and deck and terminated with a screwdriver to the terminals provided.

The power for the wind device is taken from the 2000 bus.

In addition, a button is provided which send a message to the masthead to set its direction to zero. It is intended that the boat is heading into wind when this button is pressed—**for a minimum time of 5s**. This is a one-time operation and the value is retained until the button is pressed again.

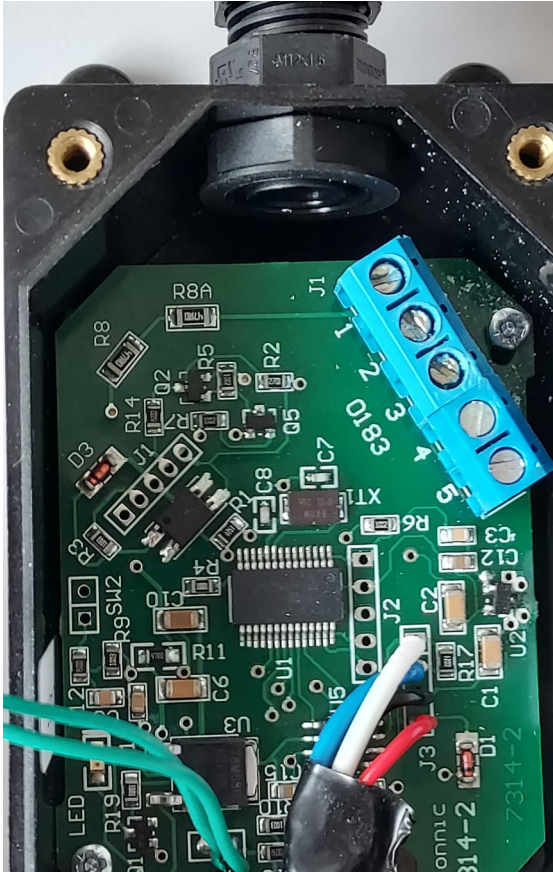
### ABSOLUTE MAXIMUM RATINGS

PARAMETER	DESCRIPTION	NOTES	CONDITIONS	VALUE	UNIT
Q <sub>STOR</sub>	Storage Temp Range			-20 to +100	°C
Q <sub>OPER</sub>	Operating Temp Range			-20 to +65	°C
	Shock Resistance		Single impact	0	G
	Vibration Resistance		60Hz, 10 Minutes	±11	G
	Climate Test		+71°C, 95% Humidity	6	Hours
V <sub>CC</sub>	Supply Voltage			16	Vdc

### ORDER INFORMATION

PART	DESCRIPTION
A5905	Wind 2K Converter

## NMEA-0183 WIND TERMINAL CONNECTIONS



J2	FUNCTION
1	12V
2	0183 Serial Input +
3	0183 Serial Input -
4	0183 Serial Output
5	GROUND

### NMEA 2000 PGNs

#### Output PGN

Standard Windspeed and Direction (PGN:130306) at 10 per second

#### Input PGNs

Custom (PGN: 127257). A 6-byte block of which only the first is used as follows:

Set Wind Heading to Zero = 7