



Technical Help WindSonic

WindSonic - Option 3 with Junction Box and Power Supply (ACC/2JB)

PLEASE REFER TO PAGE 24 OF THE WINDSONIC USER MANUAL FOR WIRING DETAILS, ALONG WITH THE CONNECTOR WIRING BELOW. ALSO REFER TO THE WINDSONIC USER MANUAL DOC NO.405-PS-0019, ISSUE 16 OR LATER FOR UNITS WITH A SERIAL NUMBER 08100001 ONWARDS.

The following details are for use with WindSonic OPTION 3 and are the default settings that Skye Instruments will set unless otherwise requested at the time of ordering.

Setting up the WindSonic.

With reference to page 42 of the WindSonic manual, enter configuration mode, then check the configuration. It may be a good idea to record the current settings. The following settings are required:

Measurement settings	M2	Gill, Polar, Continuous
Output units	U1	Meters per second
ASCII output format	O1 or O2	
Message terminator	L1 or L2	
Output rate	P1	1 per second
Baud rate	B3	9600
Data and parity options	F1	8 bits, no parity
Power-up message	H2	Off
Node address	NQ	
Analogue settings	T3	4-20mA (Default) T1- 0-5V, T5- 0-20mA
	S7	0 to 60 metres per second
	C2	Normal 0 359 degrees

WindSonic 9-way circular connector wiring

Pin Number	Wire Colour	Function	Junction Box Output Cable
1	Brown	Ground	Black
2	Red	Positive power supply (7-30 VDC)	
3	Orange	Negative power supply	Green
4	Yellow	See manual	Yellow
5	Green	RS232 TXD	
6	Blue	See manual	Blue
7	Purple	RS232 RXD	
8	Grey	Wind speed output (positive current relative to Pin 1)	Red
9	White	Wind direction output (positive current relative to Pin 1)	White
The Screen of the cable is left uncommitted in the connector			Screen

All cable screens are joined in the junction box. The Junction Box is supplied with a 12V power supply, suitable for a 110-240 V/AC connection.

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