

Wind Speed & Direction Sensor AV-WSD-10

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Description

The AV-WSD-10 combined Wind Speed and Direction sensor is manufactured from anodized aluminium alloy, UPVC and stainless steel with moulded polypropylene cups. The units are lightweight yet very robust.

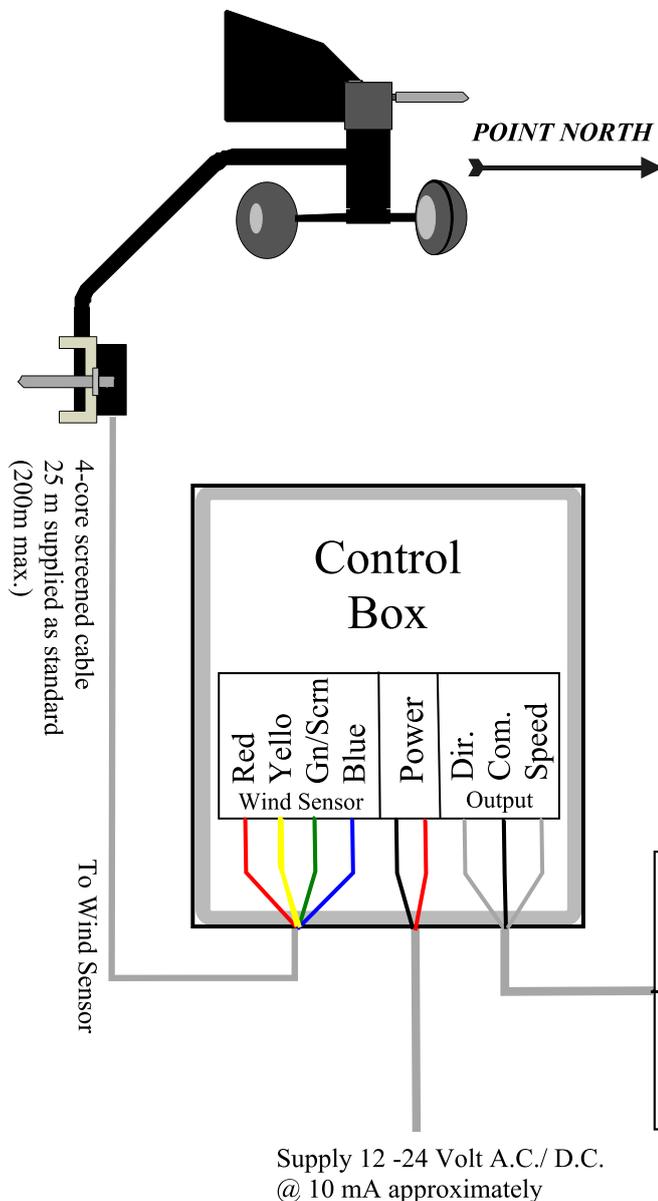
The sensors are designed to be mounted to a mast of between 30-50 mm diameter by means of a V-shaped clamp and bracket. This allows simple orientation to North using the compass provided; the only setting up required.

Wind Direction is sensed by a precision conductive potentiometer which combines exceptionally long life with high sensitivity. Wind speed is derived from a Hall Effect solid state magnetic switch activated by magnets in the cup rotor running in precision stainless steel ball race and 'Oilite' bearings giving very high sensitivity and very long life.

Features

- Converts wind speed to a 0...10Vdc output
- Converts wind direction to a 0...10Vdc output
- Lightweight and robust

Connections



Technical Specification

Electrical conn:	4-core cable 25m supplied as standard
Weight:	250g
Wind speed output:	0...10Vdc range 0...50m/s
Accuracy:	±5%
Direction output:	0...10Vdc range 0...360°
Mechanical travel:	360° endless travel
Resistance tolerance:	±5%

Order Code

AV-WSD-10 Wind speed and direction sensor 0...10V

Wind speed output: 5 or 10V @ 50 m/s

Common

Wind Direction output 0 - 5 or 10 volts

0 volts output = 10°

2.5 or 5 volts output = 180° (South)

5 or 10 volts output = 360° (North)