This product is suitable for measuring wind speed, wind direction or both. It can be used for automatic window closure in high wind conditions or general monitoring applications with BMS systems. The 0-10vdc output signal is linear for both wind speed & direction.

<table>
<thead>
<tr>
<th>Type</th>
<th>Application</th>
<th>Supply ±15%</th>
<th>Range</th>
<th>Output</th>
<th>Start Speed</th>
<th>Typical Accuracy</th>
<th>Resolution</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>EWSD-10</td>
<td>Wind Speed</td>
<td>24VAC/DC</td>
<td>0 - 50 m/s</td>
<td>0 - 10VDC</td>
<td>&lt;0.5 m/s</td>
<td>±5% or 1.5 m/s</td>
<td>&lt; 0.5 m/s</td>
<td>IP65 Sensor</td>
</tr>
<tr>
<td></td>
<td>Direction</td>
<td></td>
<td>0 - 360°</td>
<td></td>
<td>&lt;0.5 m/s</td>
<td>5° typical (10° worst)</td>
<td>&lt; 1°</td>
<td>IP30 Sensor</td>
</tr>
</tbody>
</table>

Speed measurement - Hall Effect solid state magnetic switch activated by magnets in the cup rotor.

DIMENSIONS:

Control Box

Supply with the control box which converts the sensor signal to a standard 0-10 volt output signal.

WIRING:

Supply with the control box which converts the sensor signal to a standard 0-10 volt output signal.

INSTALLATION:

The unit should mounted to a mast with a diameter of between 30-50 mm with the supplied V-shaped clamp and bracket. Situate the unit in a clear site which is most representative of the area to be monitored. Avoid extremes i.e. hilltops which may indicate increased wind speeds, or valleys and in close proximity to trees and buildings which may indicate decreased wind speeds due to shielding. Several sensor heads can be installed to give spatial coverage and thus achieving more precise results. Ensure the elbow points NORTH using a compass or gently rotate the vane until 0° or 357° is indicated on a suitable measuring instrument, as this will represent North. Fix and tighten the bracket at this position.

CAUTION:

These devices are suitable for low voltage supply only. Device should be checked by a qualified technician before applying any voltage. Obtain all relevant safety precautions, wiring/earthing regulations and electrical ratings. Always ensure the device operates correctly. If failure of the device can cause damage a safety backup control should be fitted. All data is for guidance purposes only, subject to change without prior notice and not guaranteed to be absolutely correct unless confirmed by us in writing.

ELECTRO CONTROLS LTD, AMBERLEY WAY, HOUNSLOW TW4 6BH  T: 020 8570 6031  F: 020 8570 5437  GB  CO605