The WMS-21 dual setpoint wind alarm is a microprocessor-based wind alarm system. It features an audible alarm and controls two relays whenever wind speed reaches either of two independent setpoints. An LCD displays the current and wind speeds.

The WMS-23S monitors wind speed, converting 0 to 100 mph wind velocity to a proportional 4 to 20 mA signal for use by process controllers or monitoring systems. The WMS-23 monitors wind speed and direction, with a second 4 to 20 mA signal corresponding to 0 to 360°. The three cup anemometer (and wind vane) is constructed of UV resistant ABS plastic and anodized aluminum, while the electronics are housed in a gasketed wall mount NEMA enclosure.

**SPECIFICATIONS**

**WMS-21**
- Transducer: Sealed magnetic switch
- Range: 0 to 100 mph
- Resolution: 0.1 mph
- Threshold Speed: 1 mph
- Accuracy: 1 mph or ± 3% which ever is larger
- Alarm ON and/or OFF Delay: 0 to 99 sec, adjustable
- Indicators: LEDs for alarm point 1 and 2; 2 line x 16 character LCD, 3 x 8 mm (0.12 x 0.31") size
- Operating Temperature: -20 to 50°C (-4 to 122°F)
- Power: 12 Vac or dc; 50 mA maximum
- Alarms: Contacts rated 3A at 24 Vdc/115 Vac, SPDT
- Anemometer Cable Length: 12 m (40’), included
- Dimensions, Anemometer: 114 H x 216 W mm (4.5 x 8.5")
- Dimensions, Electronics Enclosure: 120 H x 120 x 57 mm D (4.7 x 4.7 x 2.25")
- Mounting: 27 mm (1.062") OD pipe (¾” IPS)

**WMS-23**
- Azimuth Accuracy: ± 3°
- Range: 0 to 360°
- Potentiometer Gap: 5°
- Threshold: 1.2 mph
- Bearings: Bushing
- Outputs: Dual 4 to 20 mA loops, proportioned to 0 to 100 mph and to 0 to 360°
- Dimensions, Anemometer/vane: 305 H x 254 mm W (12 x 10")

**WMS-23/WMS-23S (Wind Speed)**
- Speed Threshold: 0.8 mph
- Transducer Type: Reed switch
- Measurement Range: 0 to 100 mph
- Accuracy: 1 mph or ± 3%
- Output: 4 to 20 mA, proportioned to 0 to 100 mph
- Dimensions, Anemometer: 114 H x 216 mm W (4.5 x 8.5")

**COMMON SPECIFICATIONS**

WMS-23 and WMS-23S
- Current Loop Accuracy: ± 1% full scale
- Power: 8 to 30 Vdc
- Circuit Time Constant: 1 sec
- Temperature Range: -40 to 40°C (-40 to 104°F)
- Dimensions, Electronics Enclosure: 120 x 120 x 57 mm D (4.7 x 4.7 x 2.25")
- Cable: 12 m (40’) included

**To Order**

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<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>WMS-21</td>
<td>Dual setpoint wind station</td>
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<tr>
<td>WMS-23S</td>
<td>Wind speed monitor 4 to 20 mA output</td>
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<tr>
<td>WMS-23</td>
<td>Wind speed/direction monitor, dual 4 to 20 mA outputs</td>
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<tr>
<td>WMS-EC-40</td>
<td>12 m (40’) extension cable</td>
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Comes complete with sensor cable and operator’s manual.

Ordering Example: WMS-23, wind speed/direction wind station with dual 4 to 20 mA outputs and cable, and WMS-EC-40, 12 m (40’) extra extension cable.