



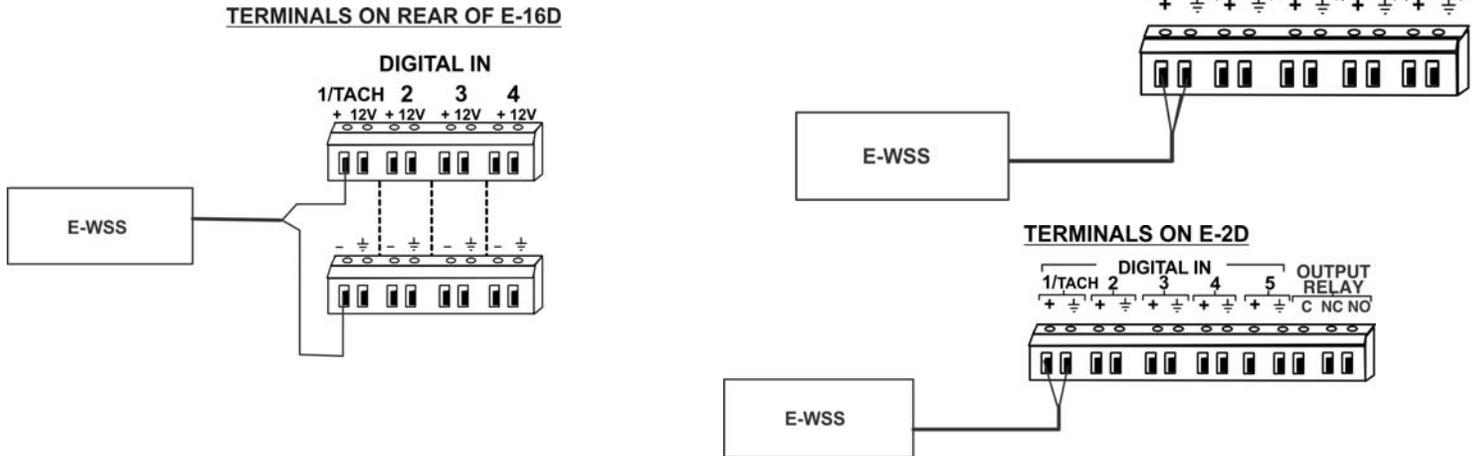
## E-WSS WIND SPEED SENSOR WIRING INSTRUCTION

The E-WSS Wind Speed Sensor is compatible with the E-16D, E-5D, and E-2D Enterprise Environment Monitoring Systems.

### Features Include:

- Rugged anemometer
- 3-cup rotor pressed on a stainless steel shaft
- Reed switch and magnet providing one pulse per rotation
- Rotor diameter: 5 inches
- Speed range: ~ 3 mph to 125+ mph (~5 kph to over 200 kph)
- Rugged Delrin body with bronze and Rulon bushings
- Flat aluminum mounting bracket with 2 holes. Designed to be mounted on top of a pole or bracket.
- 100 feet of exterior grade wire
- Intended for outdoor use where icing is not expected.

Wiring to the ENVIROMUX systems is illustrated below:



To install and configure the E-WSS to the ENVIROMUX System, go to the Sensors summary page and select "Add Tach Sensor on Digital input 1".

### Sensors

Internal Sensors					
No.	Description	Type	Value	Status	Action
1	<a href="#">Internal Temperature</a>	Temperature	27.3°C	Normal	<a href="#">View</a> <a href="#">Edit</a>
2	<a href="#">Internal Humidity</a>	Humidity	41%	Normal	<a href="#">View</a> <a href="#">Edit</a>
3	<a href="#">Battery</a>	Voltage	13.4V	Normal	<a href="#">View</a> <a href="#">Edit</a>

Sensors					
Conn.	Description	Type	Value	Status	Action
1	<a href="#">Temperature_1</a>	Temperature Combo	84.0°F	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
1	<a href="#">Humidity_1</a>	Humidity Combo	37%	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
1	<a href="#">Dew Point Sensor_1</a>	Dew Point	54.7°F	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
2	<a href="#">Light Sensor_2</a>	Light	51.7lx	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
3	<a href="#">Temperature_3</a>	Temperature	81.8°F	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
4	<a href="#">Humidity_4</a>	Humidity	36%	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
5	<a href="#">Temperature_5</a>	Temperature Combo	28.2°C	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
5	<a href="#">Humidity_5</a>	Humidity Combo	38%	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
6	<a href="#">Sensor #6.1</a>	ACLM-V AC Voltage	120.0V	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
6	<a href="#">Sensor #6.2</a>	ACLM-V AC Voltage	120.0V	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
8	<a href="#">Water Detection Sensor_8</a>	Water	Open	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
16	<a href="#">Motion Detector_16</a>	Motion Detector	Closed	Normal	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
	<a href="#">Wind Speed on E-16D</a>	Wind Speed	0.0MPH	Acknowledged	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>

[Add New Sensor](#)  
 → [Add Tach Sensor on Digital input 1](#)

## Windspeed on E-16D(Dig.In.1) Configuration (Type: Tach Sensor)

<b>[-] Sensor Settings</b>	
<b>Description</b>	Windspeed on E-16D(Dig.I Descriptive name for the sensor
<b>Group</b>	1 ▾ Select which group the sensor belongs to
<b>Min. Level</b>	0.0 Min. supported value for the sensor
<b>Max. Level</b>	255.0 Max. supported value for the sensor
<b>Associate Sensor</b>	<input checked="" type="checkbox"/> Associate sensor to a customized sensor type
<b>Associated Sensor Type</b>	Wind Speed Type of the associated sensor
<b>Associated Sensor Unit</b>	MPH Measurement unit for the associated sensor
<b>SNMP Associated Type ID</b>	32767 ID value for SNMP type of associated sensor
<b>Min. Associated Level</b>	0.00 Sensor expected value corresponding to 0 Hz
<b>Max. Associated Level</b>	637.5 Sensor expected value corresponding to 255 Hz
<b>Min. Non-Critical Threshold</b>	0.0 Min. threshold below which indicates a non-critical alert condition
<b>Max. Non-Critical Threshold</b>	40.0 Max. threshold above which indicates a non-critical alert condition
<b>Min. Critical Threshold</b>	0.0 Min. threshold below which indicates an alert condition
<b>Max. Critical Threshold</b>	80.0 Max. threshold above which indicates an alert condition
<b>Refresh Rate</b>	10 Sec ▾ The refresh rate at which the sensor view is updated
<b>[+] Non-Critical Alert Settings</b>	
<b>[+] Critical Alert Settings</b>	
<b>[+] Data Logging</b>	
<b>Save</b>	
<b>Alert Simulation</b>	
Simulate Alert Clear Alert	

### Configuration Example for E-WSS Wind Speed Sensor

#### Specifications

SENSOR TYPE	3-Cup rotor, Reed switch/magnet provide 1 pulse per rotation.
OUTPUT for D2 Rotor (Shown in photo)	1 pulse per rotation 2.5 mph (4 km/h) per Hz
ROTOR DIAMETER	approx. 5 in (~125 mm)
SPEED RANGE	approx. 3 mph to 125+ mph (~5 km/h to over 200 km/h)
MOUNTING BRACKET	Supplied with an aluminum mounting bracket with 2 holes for screws. Designed to be mounted on top of a pole or bracket.
WIRE	Standard length is 100 feet (30m) custom lengths available upon request - tested OK to over 1,500 feet The wire is provided stripped and un-terminated
DISPLAY	None provided with the sensor only Formula for converting pulses to speed: 2.5 mph per Hz (2.5 mph per pulse/second)
POWER	No power required