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Devicenet Shaft Speed Sensor With Alarms — SpeedTalker DN-XP, SpeedTalker DN-BH

- DeviceNet Shaft Speed Sensor
- Provides both measured shaft RPM and alarm states
- State of the art shaft speed measurement and analysis
- Integrates into any DeviceNet network
- SpeedTalker DN-XP: Explosionproof, waterproof housing
- SpeedTalker DN-BH: Waterproof, stainless steel housing
- Predictive maintenance feedback and machine diagnostics

Product Information

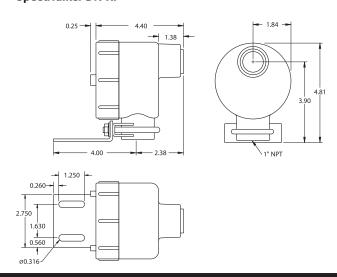
Description

The SpeedTalker DN is a first-of-its-kind DeviceNet Shaft Speed Sensor. It is designed to operate in demanding, hazardous and industrial environments, and provides measured shaft RPM and the status of up to four under/over speed alarms over DeviceNet. The SpeedTalker DN incorporates state of the art sensing and signal processing technology that make it ideal for providing real-time predictive maintenance feedback and machine diagnostics ensuring process protection and efficiency. All SpeedTalker DN speed measurement and alarm functions are completely field-selectable and settable.

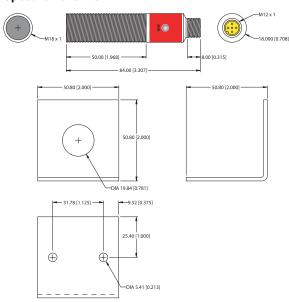
The Electro-Sensors SpeedTalker DN range of sensors are ODVA conformance tested and interface directly into any DeviceNet network. SpeedTalker DN Sensors have a built-in Hall Effect sensor that is compatible with all Electro-Sensors pulse generators. The SpeedTalker DN-XP is packaged in a rugged cast aluminum NEMA 4, 7 and 9 housing with a plated steel mounting bracket. The SpeedTalker DN-XP can also be mounted using the optional EZ-mount bracket assembly when required. The SpeedTalker DN-BH is packaged in an 18mm stainless steel barrel housing and comes with a bracket and two hex nuts for mounting and adjustment.

Dimensional Drawings

SpeedTalker DN-XP



SpeedTalker DN-BH



6111 Blue Circle Drive Minnetonka, MN 55343 Phone: 952-930-0100 Fax: 952-930-0130 ISO9001:2000 Certified



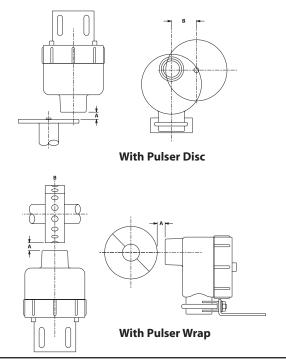
Free Catalog and Application Assistance

1-800-328-6170
Visit Us Online:
www.electro-sensors.com

SpeedTalker DN Speed Sensor & Switch

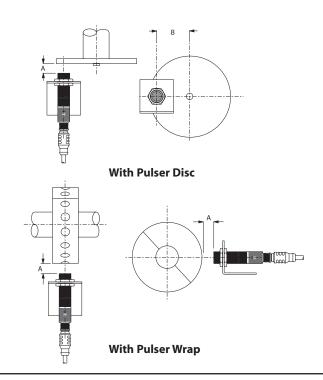
Installation • SpeedTalker DN-XP

The SpeedTalker DN-XP may be mounted on rigid conduit or with the mounting bracket assembly (provided). The gap (A) between the sensing head and the Pulser Disc/Wrap must be 1/16 to 1/4 inch. The center line of the magnets (B) must align with the center of the sensing head as the Pulser Disc/Wrap rotates. After mounting, remove the round cover and pull network cable through the conduit port into the enclosure.



Installation • SpeedTalker DN-BH

The 18mm diameter housing is threaded along 50 mm (2in) of its length. A bracket and two hex nuts are provided for mounting and adjustment. The gap (A) between the sensing head and the Pulser Disc/Wrap must be 1/16 to 1/4 inch. The center line of the magnets (B) must align with the sensor center line as the Pulser Disc/Wrap rotates.



Specifications • SpeedTalker - DN-XP • SpeedTalker - DN-BH

General Specifications

DeviceNet Implementation

DeviceNet Implementation (cont.)

Indicators Module Status, Network Status (XP)

Module/Network Status (BH)

SpeedTalker DN-XP

Connector DeviceNet Open Style

SpeedTalker DN-BH

Connector Male M12 Micro-Connector

Mechanical

Operating Temperature -40°C to 85°C (-40°F to 185°F)

SpeedTalker DN-XP

Weight (with bracket)...... 2.45 Lb (1.11 kg)

SpeedTalker DN-BH

Weight (with bracket)...... 0.35 Lb (159 g)

Specifications subject to change without notice.

ES-500 Rev B



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