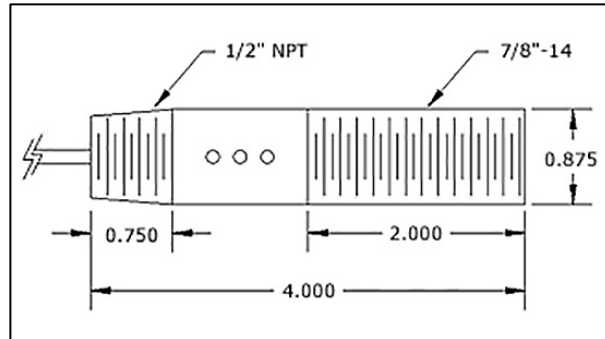




Zero Speed Switch Sensor, ZS09R



Model ZS09R, with Reed Relay
Device contains sensor and relay.



Dimensions (in inches) and Threads

General Specifications

Operating Voltages: 6-24 VDC or 120 VAC

Operating Temperature: -40°F to 140°F

Operating Frequency:

Hall Effect and Inductive (Gearthooth):

0.02Hz - 10kHz

Hall Effect Only: 0.02Hz - 25kHz

Contact ratings:

120VAC, 1/4 Amp pilot duty

Vibration resistance: G - max. 10-2000Hz

Shock Resistance: G - max. 11ms, 1/2 sine

Relay Set-Point Adjustment Range:

Standard: 1-100 RPM, 1 Pulse Per Revolution

Custom parameters are available.

Housing Material: Aluminum

Fuse: Internal 1/2 Amp non-replaceable fuse

Cable: 4 ft., 6 conductor, 22 AWG, unshielded

Sensing Distance to Target (Gap):

1/16" to 5/16" using Ferrous Target (Gearthooth Wheel, Bolt Head, Key Stock, etc.)

1/2" to 5/8" using Phares Magnetic Disk

1" using Phares Magnet, Part No. SM-100

Minimum Geartooth Target Sizes:

1/8" geartooth length, width, depth and gap.

Gearthooth Target Material:

High ferrous (iron) content.

Part Number Chart

ZS09R X - Y Z

<u>X – Relay Output</u>	<u>Y – Input Voltage</u>	<u>Z – Target Material</u>
1: N.O./N.C.	120: 120 VAC	M: Magnetic
2: N.O.	D: 6-24 VDC	F: Ferrous (such as geartooth, bolt head, or keystack)
3: N.C.		

Options

Custom Cable Length

Custom Relay Set-Point Adjustment Range

Delrin sensor housing for corrosive environments

Fixed Set-Point

Relay Latch