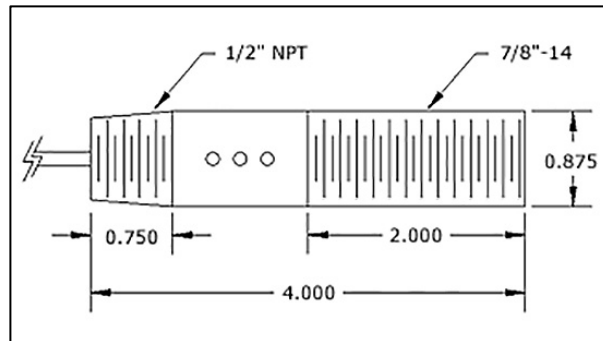




Zero Speed Switch Sensor, ZS09R



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



Dimensions (in inches) and Threads

General Specifications

Operating Voltages: 5-24 VDC or 120 VAC

Operating Temperature: -40°F to 140°F

Operating Frequency:

Hall Effect and Inductive (Gear Tooth):

0.02Hz - 10kHz

Hall Effect Only: 0.02Hz - 25kHz

Contact ratings:

250 VAC, 220 VDC Maximum, 1 Amp

Vibration resistance:

10 to 55 Hz, double amplitude 3 mm (20 G) – misoperation

10 to 55 Hz, double amplitude 5 mm (30 G) – destructive failure

Shock resistance:

735 m/s² (75 G) – misoperation

980 m/s² (100 G) – destructive failure

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 (Gear Tooth Wheel, Bolt Head, Key Stock, etc.)

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

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

Minimum Gear Tooth Target Sizes:

1/8" gear tooth length, width, depth and gap.

Gear Tooth 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 gear tooth, bolt head, or keystack)
3: N.C.		

Options

Custom Cable Length

Custom Relay Set-Point Adjustment Range

Fixed Set-Point

Relay Latch