

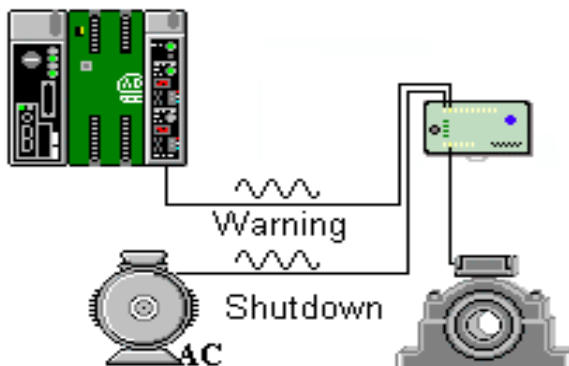


### Product Description

The Micro Logix Zero Speed Switch is a factory-programmed controller that monitors up to three Speed Pickup proximity switch inputs from Dodge sensorized bearings. For each Speed Pickup input, the Micro Logix Zero Speed Switch monitors the input signal and opens one normally closed AC relay output when pulses are not received in more than 2 seconds and a second normally closed AC relay output when the pulses are delayed more than 5 seconds. The Micro Logix Zero Speed Switch also accepts a “system start” signal that disables Speed Pickup monitoring for 10 seconds while the system comes up to speed. Once the speed has dropped below these preset limits the Zero Speed Switch outputs remain open until power is cycled to the module.

### Typical Application

Warn PLC the pulses are delayed more than 2 seconds to enable correction and automatically shutdown the AC drive when the delay exceeds 5 seconds.



### Specifications

#### Zero Speed Switch Specifications

Start Signal to Active Monitoring	10 sec
Max. Period Between Pulses, Warning	2 sec
Max. Period Between Pulses, Alarm	5 sec
Active Relay State	CLOSED
Relay State, Alarm or Shutdown	OPEN

#### Input Specifications

Input Voltage	
On	79 - 132 VAC
Off	20 VAC
Input Current	
On	5 - 16 mA
Off	2.5 mA
Inrush (Max.)	250 mA
Nominal Input Response	8 ms

#### Output Specifications

Voltage	5 to 264 VAC, 5 to 125 VDC
Output Contact Ratings	
Make	15.0 A
Break	1.5 A
Continuous	2.5 A
Nominal Output Response (Max.)	10.0 ms
Output Common Arrangement	4 Isolated Relay, (1) 2 Pt./Com.

#### General Specifications

Dimensions	133 mm x 80 mm x 73 mm
Temperature	
Operating	0 to 55C
Storage	-40 to 85C
Humidity	5% to 95% Non-condensing
Vibration Resistance	
Operating	5 - 2000 Hz, 0.015 in pk-to-pk*
Storage	5 - 2000 Hz, 0.030 in pk-to-pk*
	* 1 hr per axis
Shock Resistance	
Operating	10G peak, 11+/- ms duration
Storage	20G peak, 11+/- ms duration
Certifications	UL, CSA, CE