



# Zero Speed Switch Module, ZS11



The ZS11 Zero Speed Switch Module is DIN rail mountable for easy installation.

## Description

The Phares Model ZS11 Zero Speed Switch Module is an interface between simple on/off sensors and control circuitry enabling over speed, under speed and zero speed measurement.

It is particularly useful in applications where more than one sensor is used at a single point of measure to determine varying speeds. The ZS11 Zero Speed Switch Module contains three relay outputs which operate via a single sensor input signal. Each relay output is adjustable, providing three independent speed level settings in one module.

## General Specifications

### Power Requirements:

Part No. ZS11-A: 100-240 VAC, 116mA, 50/60Hz

Part No. ZS11-D: 9-36 VDC, 116mA

### Circuit Protection:

Internal ½ amp fuse, non-replaceable

Sensor:

### Input Signal:

12 VDC, 3 wire, sourcing (PNP) or sinking (NPN)

### Dimensions (in inches):

4-5/8" Wide x 3-1/2" High\* x 3-3/4" Deep

\*including DIN Rail Mount and Terminal Block

### Relay Output:

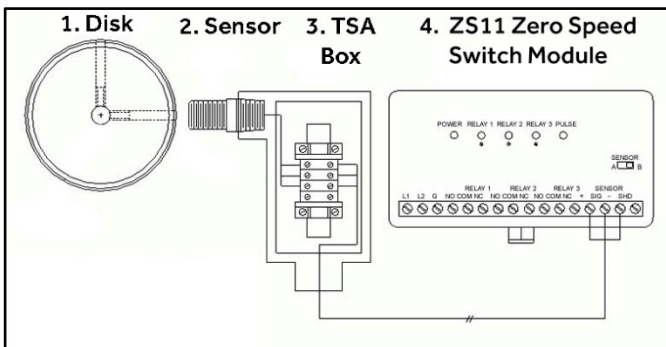
3 SPDT Form 'C' dry relay contacts (N.O./N.C.)

### Contact Rating:

5A at 120 VAC; 5A at 30 VDC

## Part Number Chart

Part Number	Input Voltage	Contacts (5 Amp)
ZS11-A	100-240 VAC	Quantity 3, N.O./N.C.
ZS11-D	9-36 VDC	Quantity 3, N.O./N.C.



## ZS11 System

From left to right:

1. Magnetic Target Disk
2. Hall Effect Sensor
3. Terminal Strip Assembly (TSA) Box
4. ZS11 Zero Speed Switch Module