

CLR

Logic Level Relay Pulse/Speed



Similar product shown.

- Slow Speed Sensing
- Over Speed Sensing
- Sensor Power
- Digital or Analog Sensor
- Plug-In Package
- Indicating LED



Operation

Speed Sensing

Supply voltage must be provided continuously during operation and a proximity switch or sensor to sense the speed must be installed. The supply voltage to the sensor is available from the CLR. The CLR monitors the pulse rate received from the sensor. Based on whether the frequency is over or under the adjustable set point, the relay's output will be energized or de-energized. For under speed sensing, the relay output will be energized if the sensor pulse rate is greater than the set point, indicating an "at speed" condition. It will de-energize if the speed slows and the pulse rate drops below the set point. A 0.5 second time delay avoids rapid cycling of the output contacts.

Specifications

Electrical

Supply Voltage: 12 or 24 VAC/VDC, 120 or 240VAC, 50/60Hz
Sensor Voltage:
 12V Supply: +8VDC @ 15mA
 24, 120 & 240V: +12VDC @ 15mA
Sensor Type: Digital or Analog
Sensor Pull-Up: 4.7Ω* (NPN)
Pick-Up Delay: 0.5 Second
Drop-Out Delay: 0.5 Second
Output Rating: 10 Amps @ 120VAC
 5 Amps @ 30VDC & 250VAC
 300W (DC), 1,600W (AC) Max. switching power (resistive)
 100,000 Full Load Electrical Cycles
 20,000,000 Mechanical Cycles
Indicators: 1 Relay Status LED

Physical

Mounting: Plug-In
Termination: 8 Pin (Octal)
Packaging: Dust Cover
Weight: 9 Oz.

Ambient Temperatures

Operating: 0°C to 40°C
Storage: -40°C to 85°C

Ordering Information

CLR - 120A - 1002

R-K Model

Input Voltage
 12V - 10 to 15VAC/VDC
 24V - 20 to 24VAC/VDC
120A - 100 to 125VAC
 240A - 200 to 240VAC

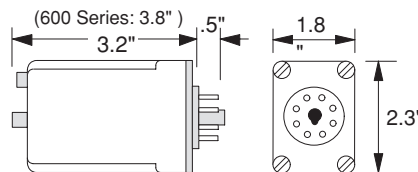
Operation

1 - Under Speed
 2 - Over Speed

Frequency

100 - 0.7 to 7PPS
 101 - 1 to 10PPS
 105 - 5 to 50PPS
 110 - 10 to 100PPS
 115 - 15 to 150PPS
 120 - 20 to 200PPS
 130 - 0.1 to 1PPS

Dimensions



Connections

