

# 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

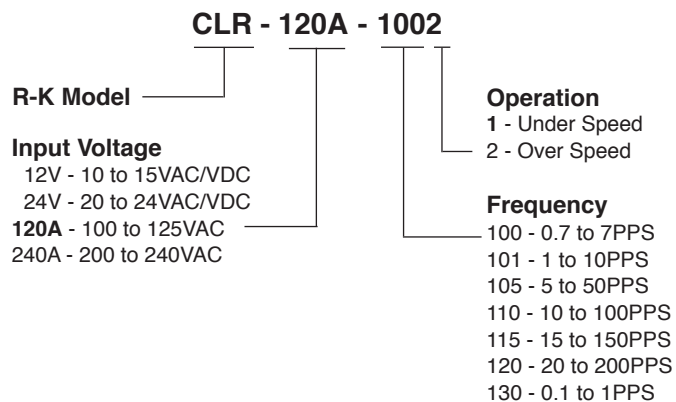
#### Physical

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

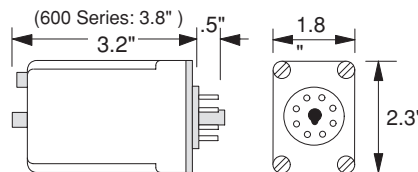
#### Ambient Temperatures

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

### Ordering Information



### Dimensions



### Connections

