

Go-No Go AC Current Sensing Relay

Specifications

Electrical

Input Supply Voltage: None Required Pick-Up Range*: 10 or 20 Amps +5%, -25% Pick-Up/Drop-Out Delay: 0.1 Sec. Drop-Out Range: 2.5 Amps Minimum Frequency: 47 to 63 Hz Maximum Current Range: 100 Amps Continuous 150 Amps 1 Minute Max Reset: Automatic Output Rating 1 FORM C @ 25°C:

10 Amps @ 120VAC 6 Amps @ 250VAC, 5 Amps @ 30VDC 300W (D.C.) 1600VA (A.C.) Max. switching power (resistive) 100,000 Full Load Electrical Cycles

*Other currents available. Consult factory.

Physical

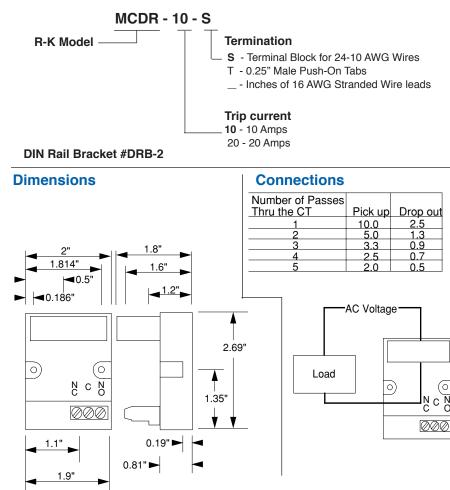
Maximum Load Wire Diameter: 0.7" Dia. Mounting: Surface, #6 Screw Termination: Screw Terminals Packaging: Epoxy Filled Weight: 6 Oz.

Ambient Temperatures

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



Ordering Information



MCDR



- Self Powered
- 10 or 20 Amp Trip Points
- 100 Amps AC Overload
- 10 Amp Contact
- Stranded Wire Leads
- Large Wire Thru Hole
- DIN Rail Mountable
- Compact Design
- Low Cost

Operation

AC Current Sensing

The MCDR generates its own operating power from the monitored current line. No external power supply is needed. A current greater than the pick up current is required to energize the output relay. The output relay will stay energized until the current in the line being monitored drops below the drop out current level for the MCDR. Sensitivity can be increased with multiple passes through the MCDR CT(See table in connection diagram).

