Mercury Relays

Mercury Displacement Relays — 35 & 60 Amp Resistive Loads

Tempco’s Mercury Displacement Relays are specifically designed for resistive loads typical of heating and process equipment. These mercury relays are available in 35 and 60 amp models with single, double and triple pole configurations. Coil voltages range from 24 to 480 Volts AC at 50/60 Hz and 24 Volts DC.

Features

Mercury contact action relays are superior to open contact electro-mechanical relays. Mercury relays do not contain springs or button contacts, which tend to wear, weld and burn out. Mercury contacts are capable of rapid on-off cycling in excess of 6 times per minute under resistive loads. This provides more precise process temperature control, and eliminates the noise from the on-off operating cycles of electro-mechanical relays and contactors.

Typical Applications

☒ Industrial Process Equipment Utilizing Resistive Loads
☒ Plastic Injection and Extrusion Machinery
☒ Industrial Ovens
☒ Food Processing Equipment
☒ Duct Heaters

Specifications

Operate Time: 50 mSec  Release Time: 80 mSec
Contact Rating: 35 Amp – 600 VAC, 60 Amp – 480 VAC
Contact Resistance: 35 Amp – .003Ω, 60 Amp – .002Ω
Temperature Range: -31 to 185°F (-35 to 85°C)
Dielectric Strength: 2500 VAC RMS
Agency Approvals: UL, CSA

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Ordering Information

Choose the Part Number of the relay from the table above that matches the needs for your application. We also offer other styles of Mercury Relays—consult Tempco with your requirements.

Standard lead time is stock to 5 days.

View Product Inventory @ www.tempco.com