

## 2450R 80020544



### 2450R Series Phenolic Automatic Reset Thermostats

Actual product appearance may vary.

#### Features

Cost effective  
Rivet sleeve construction  
Low profile  
High current

#### Potential Applications

HVAC  
Automotive  
Office copy machines  
Major appliances  
Heat and smoke detectors

#### Description

The 2450R Series consists of a temperature-sensitive bimetal disc, electrically isolated from the switch, which actuates the normally closed contacts. The contacts open when the surface or ambient temperatures increase to the operating snap point of the calibrated disc. Response to temperature changes is extremely rapid due to the inherently low mass of the disc and the small size of the product. These products are factory calibrated to the customer's specification.

#### Supporting Documentation

None Available

Product Specifications	
Functional Properties	Close on rise
Reset Type	Automatic
Amperage	15 A/10 A
Voltage	120 Vac/250 Vac
Operating Temperature Range	0 °C to 150 °C [32 °F to 302 °F]
Environmental Exposure Range	-18 °C to 177 °C [0 °F to 350 °F]
Open Temperature	35.0 °C [95 °F]
Close Temperature	43.3 °C [110 °F]
Open Tolerance	2.8 °C [5 °F]
Close Tolerance	4.4 °C [8 °F]
Dielectric Strength	MIL-STD-202, Method 301; 2000 Vac 60 Hz - Terminal to Case
Insulation Resistance	MIL-STD-202, Method 302; Cond. B - 500 MOhm - 500 Vdc applied
Contact Resistance	MIL-STD-202, Method 307; 0.050 Ohm
Housing Material	Phenolic
Contact Material	Silver/nickel alloy
Approvals	UL, CSA
Mounting	B201 Fixed bracket
Series Name	2450R