

# 2450HR 80750324



## 2450HR Series Phenolic Automatic Reset Thermostats

Actual product appearance may vary.

### Features

Cost effective  
Rivet sleeve construction  
posted "H" construction for application  
mounting bracket  
High current

### Potential Applications

HVAC  
Major appliances  
Automotive  
Heat and smoke detectors  
Office copy machines

table>

### Description

The 2450HR 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             | 30.0 °C [86 °F]                                |
| Close Temperature            | 43.3 °C [110 °F]                               |
| Open Tolerance               | 5.6 °C [10 °F]                                 |
| Close Tolerance              | 3.9 °C [7 °F]                                  |
| Dielectric Strength          | MIL-STD-202, Method 301; 2000 Vac 60 Hz - Term |
| Insulation Resistance        | MIL-STD-202, Method 302; Cond. B - 500 MOhm -  |
| Contact Resistance           | MIL-STD-202, Method 307; 0.050 Ohm             |
| Housing Material             | Phenolic                                       |
| Contact Material             | Silver/nickel alloy                            |
| Approvals                    | UL, CSA  |
| Mounting                     | B205 airstream bracket                         |
| Series Name                  | 2450HR   |