



## Honeywell Sensing and Control



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3450R 80820990

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3450R Series Phenolic Automatic Reset Thermostats

Actual product appearance  
may vary.

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#### Description

The 3450R 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.

#### Features

- Features
- Cost effective
- Rivet sleeve construction
- Low profile
- High current

- Potential Applications
- HVAC
- Automotive
- Major appliances
- Office automation

#### Potential Applications

#### Product Specifications

Functional Properties	Open on rise
Reset Type	Automatic
Amperage	15 A/10 A resistive max.
Voltage	120 Vac/240 Vac
Operating Temperature	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	6.7 °C [44 °F]
Close Temperature	-1.7 °C [29 °F]
Open Tolerance	2.8 °C [5 °F]
Close Tolerance	3.3 °C [6 °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 MΩ - 500 Vdc applied
Contact Resistance	MIL-STD-202, Method 307; 0.050 Ohm

Housing Material  
Contact Material  
Agency Approvals and Standards  
Mounting  
Series Name

Phenolic  
Silver/nickel alloy  
UL, CSA  
B201 fixed bracket  
3450R



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