

# SERIES 2450/2450R/2450HR/2450K/2455R

## PHENOLIC AUTOMATIC RESET THERMOSTATS

### Typical Applications:

- *Power Supplies*
- *General Appliances*
- *Medical Equipment*



A temperature-sensitive bimetal disc, electrically and thermally isolated from the switch, is used to actuate the normally-closed contacts. Contacts are opened when surface or ambient temperatures increase to the operating snap point of the calibrated bimetal disc. The entire switch is enclosed in a phenolic dust-free housing; the bimetal disc is retained by a metal heat-conducting end cap.

Due to the small size of this unit and the inherently low mass of the bimetal snap-action disc, response of this thermostat to temperature changes is extremely rapid, compared to other commercially available thermostatic devices.

To insure that a safe combination of thermostat and application is achieved, the purchaser must determine product suitability for their individual requirements.

### RATINGS

MODEL	CYCLES	120VAC	240 VAC	277 VAC
2450/2450K	100,000	8 Amps Res	—	—
2450HR	100,000	15 Amps Res	10 Amps Res	10 Amps Res
2450R	30,000	125 VA	125 VA	—
2455R	100,000	15 Amps Res	8.3 Amps Res	7.2 Amps Res
		44 FLA 26.4 LRA	2.2 FLA 13.2 LRA	—
		125 VA Pilot Duty	125 VA Pilot Duty	—
	6,000	5.8 FLA 34.8 LRA	2.9 FLA 17.4 LRA	—

### UL and CSA Listings

2450	1/16" clearance through air and over surface UL File E36103 CSA File LR 21048
2455R	1/4" clearance through air and over surface UL File MH8267, File E36103 CSA File LR21048
2450K	1/16" clearance through air and over surface UL File E36103 CSA File LR21048
2450HR	1/16" clearance through air and over surface UL File E36103 CSA File LR21048
2450R	1/16" clearance through air and over surface UL File E36103 CSA File LR 21048

FLA: Full Load Amp  
LRA: Locked Rotor Amp  
Contacts are available for millivolt and milliamp applications.

### Key Features and Benefits:

- *Low, compact profile*
- *High capacity up to 15 Amp Resistive*
- *Single-pole, single-throw*
- *Operation up to 302°F*
- *Single break contact action*
- *Factory-calibrated to your specification*
- *European approved construction (2455R SERIES)*
- *UL recognized and CSA certified*
- *A.G.A. certified*