

Figure 4. 2450RC/2450RCH/2455RC Series Automatic Reset Thermostat

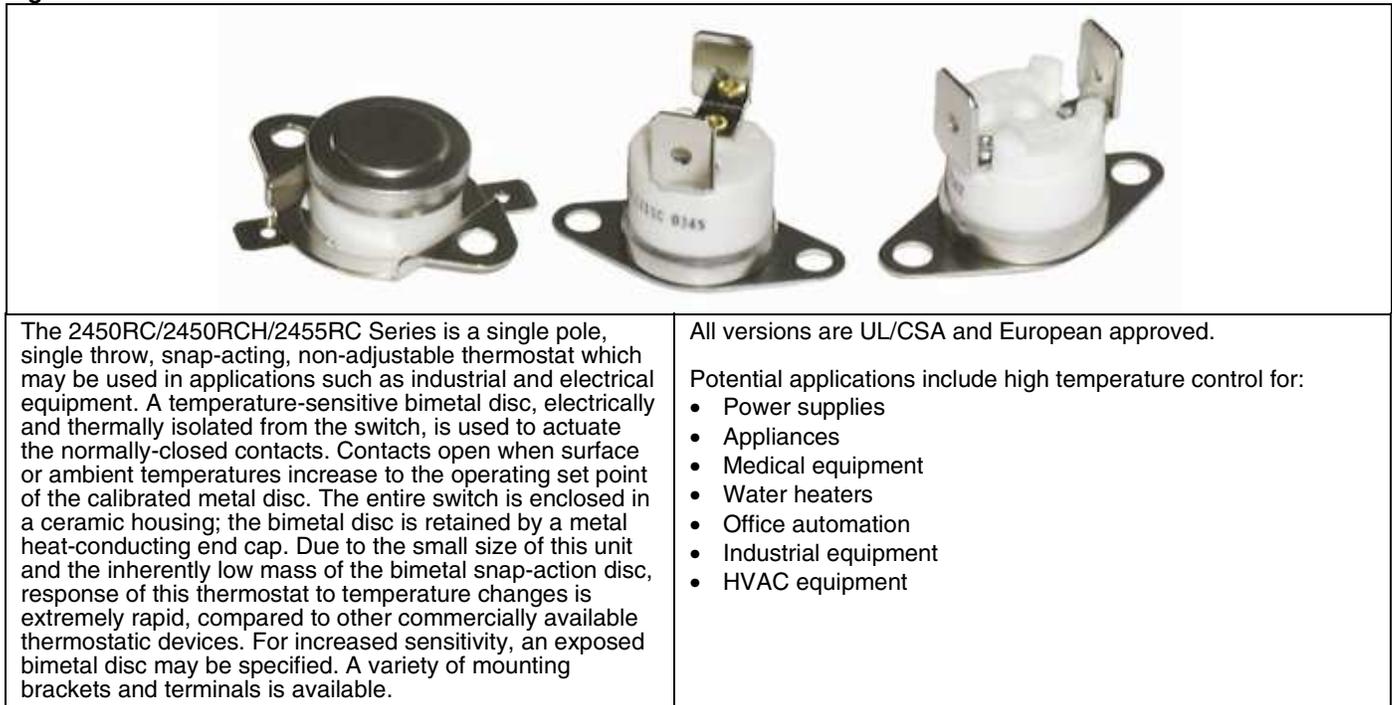


Table 5. 2450RC/2450RCH/2455RC Series Standard Temperature Characteristics

Operating Temperature Range	Tolerance		Standard Mean Differential °C [°F]
	Open °C [°F]	Close °C [°F]	
0 °C to 26 °C [32 °F to 79 °F]	±4 [±7]	±6 [±10]	28 to 34 [50 to 60]
	±4 [±6]	±6 [±10]	22 to 27 [40 to 49]
	±4 [±6]	±5 [±9]	17 to 22 [30 to 39]
	±4 [±6]	±5 [±8]	14 to 16 [25 to 29]
	±3 [±5]	±5 [±8]	8 to 14 [15 to 24]
27 °C to 82 °C [80 °F to 180 °F]	±5 [±9]	±8 [±15]	45 to 56 [81 to 100]
	±4 [±7]	±6 [±11]	34 to 45 [61 to 80]
	±4 [±6]	±6 [±10]	28 to 34 [50 to 60]
	±3 [±5]	±6 [±10]	22 to 27 [40 to 49]
	±3 [±5]	±5 [±9]	17 to 22 [30 to 39]
83 °C to 110 °C [181 °F to 230 °F]	±3 [±5]	±5 [±8]	8 to 16 [15 to 29]
	±6 [±10]	±8 [±15]	45 to 56 [81 to 100]
	±5 [±8]	±8 [±15]	35 to 45 [61 to 80]
	±4 [±7]	±7 [±12]	28 to 34 [50 to 60]
	±4 [±6]	±6 [±10]	22 to 27 [40 to 49]
	±4 [±6]	±5 [±9]	17 to 22 [30 to 39]
	±4 [±6]	±5 [±8]	8 to 16 [15 to 29]

Table 6. 2450RC/2450RCH/2455RC Series Standard Temperature Characteristics (continued)

Operating Temperature Range	Tolerance		Standard Mean Differential °C [°F]
	Open °C [°F]	Close °C [°F]	
111 °C to 149 °C [231 °F to 300 °F]	±7 [±12]	±10 [±18]	45 to 56 [81 to 100]
	±5 [±9]	±8 [±15]	34 to 45 [61 to 80]
	±5 [±8]	±7 [±12]	28 to 34 [50 to 60]
	±4 [±7]	±7 [±12]	22 to 27 [40 to 49]
	±4 [±7]	±6 [±11]	17 to 22 [30 to 39]
	±4 [±7]	±6 [±10]	14 to 16 [25 to 29]
150 °C to 170 °C [301 °F to 335 °F]	±8 [±15]	±11 [±20]	39 to 45 [71 to 80]
	±6 [±10]	±11 [±20]	34 to 39 [61 to 70]
	±6 [±10]	±8 [±15]	28 to 33 [50 to 60]
	±6 [±10]	±7 [±12]	22 to 27 [40 to 49]
171 °C to 220 °C [336 °F to 425 °F]	±14 [±25]	±14 [±25]	51 to 56 [91 to 100]
	±11 [±20]	±11 [±20]	39 to 50 [71 to 90]
	±8 [±15]	±11 [±20]	28 to 39 [50 to 70]
221 °C to 235 °C [426 °F to 450 °F]	±14 [±25]	±14 [±25]	51 to 56 [91 to 100]
	±11 [±20]	±11 [±20]	39 to 50 [71 to 90]
	±8 [±15]	±11 [±20]	28 to 39 [50 to 70]
236 °C to 260 °C [451 °F to 500 °F]	±14 [±25]	±14 [±25]	31 to 56 [60 to 100]
	±11 [±20]	±11 [±20]	28 to 50 [50 to 90]

Table 7. 2450RC/2450RCH/2455RC Series Specifications

Characteristic	Parameter
Switch type	SPST
Reset type	automatic
Amperage	See Tables 8, 9
Voltage	120 Vac to 250 Vac
Operating temperature range	0 °C to 260 °C [32 °F to 500 °F]
Environmental exposure range	-20 °C to 287 °C [0 °F to 550 °F]
Materials:	
Base	ceramic
Contacts	silver alloy
Terminals	plated steel
Closure	aluminum, brass, or stainless steel
Brackets	stainless steel
Approvals	<ul style="list-style-type: none"> • 2450RCH: 1,59 mm [0.0625 in] clearance through air and over surface; UL File E36103; CSA File LR21048 • 2450RC: 1,59 mm [0.0625 in] clearance; UL file E36103; CSA File LR21048 • 2455RC: 6,35 mm [0.25 in] clearance; UL File E36103; CSA File LR21048
Weight	6 g [0.21 oz] (does not include brackets or wire leads)

Table 8. 2450RCH/2450RC Contact Ratings

Life Cycles	120 Vac	240 Vac
100,000	15 A resistive	10 A resistive
30,000	125 VA pilot duty	125 VA pilot duty

Table 9. 2455RC Contact Ratings

Life Cycles	120 Vac	240 Vac
100,000	15 A resistive	10 A resistive
100,000	4.4 FLA 26.4 LRA	2.2 FLA 13.2 LRA
100,000	125 VA pilot duty	125 VA pilot duty

Note: Additional contact ratings are available, please contact Honeywell.

Figure 5. 2450RC/2450RCH/2455RC Basic Dimensions

