

# Thermostats Line Guide



**Precision engineering. Commercial sense.** From the exacting needs of high-end industrial and aerospace applications to commercial safety and office equipment usage, Honeywell Sensing and Control (S&C) thermostat solutions are the recognized, respected leader. Both our commercial and precision snap-action thermostats include automatic and manual reset options, phenolic or ceramic housings and a wide variety of

mounting brackets and terminal options — while our precision line includes both hermetic and non-hermetic devices. And each thermostat's design is configured from a base unit, and can be customized for temperature tolerance and mechanical configurations, meeting any of your needs for accuracy and exactitude. It makes sense to trust industry-leading engineering and innovation.

## FEATURES

### COMMERCIAL THERMOSTATS

#### 2450A Series.

**Features:** Cost effective • Gold alloy contacts • Epoxy-sealed cap and terminals • Wide variety of terminals • Only a stepped aluminum cap - 15' spacing, 1" collector for 30' spacing, and a 1.5" collector for 50' spacing. Collector brackets available per UL

**Benefits:** Gold alloy contacts for low voltage fire alarm, smoke detector and potential security device applications. Small size allows enhanced response to temperature changes. Epoxy sealed for extended life. Available with or without heat collectors. Potential for use in office copy machines, heat and smoke detectors, HVAC equipment, computers, aircraft/aerospace, radar equipment, medical equipment, and electronic control systems.

#### 2450CM Series.

**Features:** Cost effective • Rivet sleeve construction • Wide variety of mounting brackets and terminals

**Benefits:** Small size allows enhanced response to temperature changes. Potential for use in high current HVAC, appliance, hot water heater and office automation applications.

#### 2450CMG Series.

**Features:** Cost effective • Gold alloy contacts • Rivet sleeve construction • Wide variety of mounting brackets and terminals

**Benefits:** Small size allows enhanced response to temperature changes. Gold alloy contacts for potential use in low voltage HVAC, appliances, hot water heater and office automation applications.

#### 2450HR Series.

**Features:** Cost effective • Rivet sleeve construction • Factory calibrated • Wide variety of mounting brackets and terminals

**Benefits:** Small size allows enhanced response to temperature changes. Factory calibrated to customer's specs. 4-posted "H" construction for application mounting bracket. Potential for use in HVAC, major appliances, automotive, heat and smoke detectors and office copy machines.

#### 2450HRG Series.

**Features:** Cost effective • Gold alloy contacts • Rivet sleeve construction • Factory calibrated • Wide variety of mounting brackets and terminals

**Benefits:** Small product size allows enhanced response to temperature changes. Factory calibrated to customer's specification. 4-posted "H" construction for application mounting bracket. Gold alloy contacts for low voltage HVAC, major appliance, automotive, heat/smoke detectors and copy machine potential applications.

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## Well over 5,000 reasons to choose Honeywell.

With over 5,000 quality components in our thermostat line, we meet any domestic or international need for commercial or precision snap-action solutions.

### Commercial thermostats:

You'll find Honeywell quality in a wide array of small and major appliances, automotive applications, office copy machines and HVAC equipment, plus heat and smoke detectors. Whether it's military or aerospace industries, or your office building, each Honeywell S&C thermostat can be designed to offer the performance and reliability you demand, and the service you need.

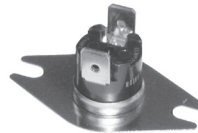
### Precision thermostats:

A highly reliable lineup for potential high-end applications, including computers, copy machines, aircraft, radar, medical equipment and electronic control systems — each designed to meet the most stringent environmental conditions for dielectric strength, moisture, resistance, vibration, shock and hermetic seal. And S&C offers custom-packaged thermostats for complete application flexibility.



### Commercial Thermostats

	2450A Series	2450CM Series	2450CMG Series
<b>Use</b>	heat detection	high current	low voltage
<b>Reset type</b>	automatic	manual	manual
<b>Housing material</b>	phenolic, epoxy seal cap and terminals	ceramic	ceramic
<b>Functional property</b>	open or close on rise	open on rise	open on rise
<b>Amperage</b>	3 A	15 A/10 A	0.5 A
<b>Operating temperature range</b>	47 °C to 107 °C [117 °F to 225 °F]	52 °C to 232 °C [125 °F to 450 °F]	52 °C to 232 °C [125 °F to 450 °F]
<b>Environmental exposure range</b>	0 °C to 150 °C [32 °F to 302 °F]	10 °C to 260 °C [50 °F to 500 °F]	10 °C to 260 °C [50 °F to 500 °F]
<b>Contacts</b>	WE-1 gold alloy cross point	silver/nickel alloy	WE-1 gold alloy cross point
<b>Approvals</b>	UL	UL, CSA, VDE	UL, CSA, VDE



### Commercial Thermostats

	2450HR Series	2450HRG Series	2450R Series
<b>Use</b>	high current	low current	high current
<b>Reset type</b>	automatic	automatic	automatic
<b>Housing material</b>	phenolic	phenolic	phenolic
<b>Functional property</b>	open or close on rise	open on rise	open or close on rise
<b>Amperage</b>	15 A/10 A	0.5 A	15 A/10 A
<b>Operating temperature range</b>	0 °C to 150 °C [32 °F to 302 °F]	0 °C to 150 °C [32 °F to 302 °F]	0 °C to 150 °C [32 °F to 302 °F]
<b>Environmental exposure range</b>	-18 °C to 177 °C [0 °F to 350 °F]	-18 °C to 177 °C [0 °F to 350 °F]	-18 °C to 177 °C [0 °F to 350 °F]
<b>Contacts</b>	silver/nickel alloy	WE-1 gold alloy cross point	silver/nickel alloy
<b>Approvals</b>	UL, CSA	UL, CSA	UL, CSA