

Crestron CHV-TSTAT and CHV-THSTAT Thermostats

CRESTRON
HOME



The CHV-TSTAT and CHV-THSTAT are wall-mounted universal thermostats designed for seamless integration into a Crestron Home® control network.

The CHV-TSTAT and CHV-THSTAT provide total control of single-stage and multi-stage heating and cooling systems, including conventional fossil fuel systems and heat pumps with auxiliary heat. The CHV-THSTAT offers all the functionality of the CHV-TSTAT, with humidity control.

Features include easy pushbutton selection of heating and cooling set points, with optional automatic changeover between heating and cooling modes; adjustable anticipator that prevents overshooting the set temperature; and optional continuous fan operation to keep air circulating for better comfort. The CHV-THSTAT can also provide outdoor low-temperature compensation to prevent condensation on windows during cold weather.

The CHV thermostats accept input from up to four remote sensors to ensure accurate monitoring; climate can be regulated according to the built-in sensors, the remote sensors, or any combination of sensor readings. The CHV thermostats can even be programmed to perform remote functions not possible with third-party thermostats, such as turning on lights or controlling window coverings.

The easy-to-read, backlit LCD display can show the current temperature and set point in either Fahrenheit or Celsius, outdoor temperature, and relative humidity. System mode and fan status

indicators show when the equipment is running, while a message indicator displays maintenance notifications and filter change reminders.

The CHV-TSTAT and CHV-THSTAT can operate as standalone thermostats independent of the control system. When integrated into the Cresnet network, readings such as temperature, humidity, and operating mode can be seamlessly displayed on Crestron touchpanels, allowing users to control and adjust the thermostats from any room in the Crestron Home. Users can also create their own convenient daily or weekly climate-control schedules from a touchpanel, to maintain the desired level of comfort automatically while saving energy when the home is unoccupied.

- > *Total control of single-stage and multi-stage systems, including conventional fossil fuel systems and heat pumps with auxiliary heat*
- > *Standalone operation or Cresnet peripheral*
- > *Supports up to 4 remote sensors for accurate monitoring*
- > *Easy-to-read, backlit LCD display*
- > *Low temperature compensation prevents window condensation (with outdoor temperature sensor)*
- > *Programmable pushbuttons can control remote functions such as lighting*
- > *Touchpanel control and scheduling*
- > *Faceplates available in almond, black or white*

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Crestron CHV-TSTAT and CHV-THSTAT Thermostats

Measurement Range

Temperature: 0° to 110° F (-18° to 43° C)
Relative humidity: 5% - 100% (requires humidity sensor for CHV-TSTAT)

Setpoint Ranges

Auto setpoint range: 38° to 110° F (3° to 43° C)
Heat only setpoint range: 38° to 90° F (3° to 32° C)
Cool only setpoint range: 59° to 110° F (15° to 43° C)
Humidity setpoint range: 5% to 70% relative humidity (CHV-THSTAT)

Display

2.75" (6.99 cm) transfective LCD
 128x64 resolution
 Backlight for each button – press for night viewing

Power Requirements

2 Watts (83mA @ 24 Volts AC) supplied by heating or cooling system
Cresnet power: < 1 Watt (required for Cresnet communication only)

Dimensions

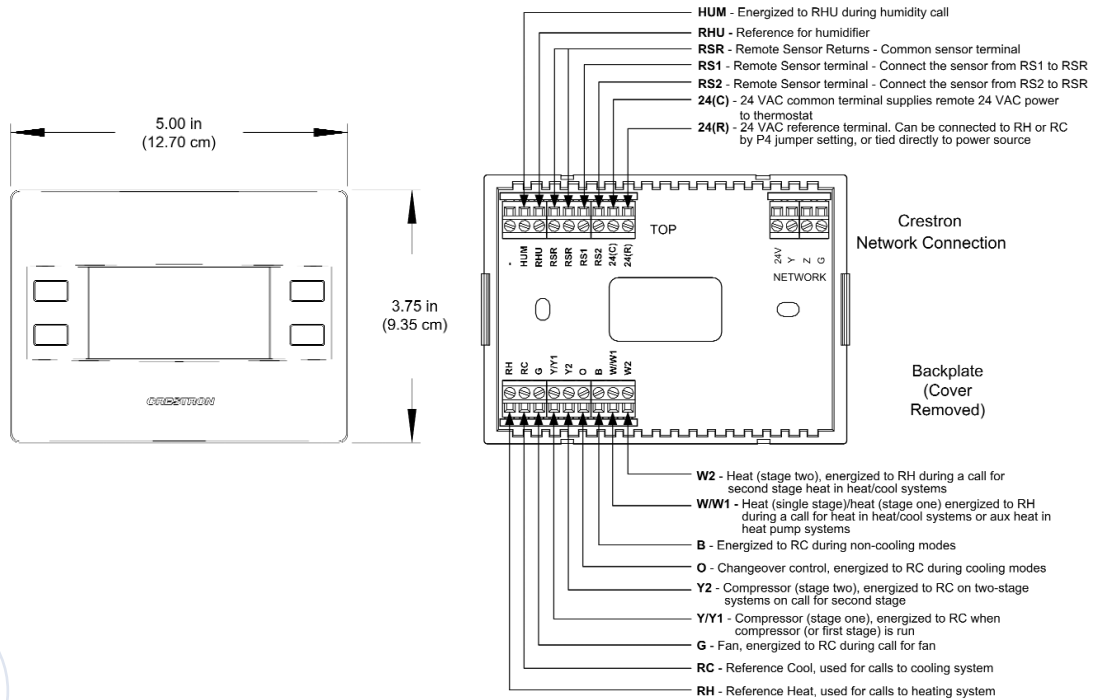
Height: 3.75 in (9.353 cm)
Width: 5.0 in (12.7 cm)
Depth: 1.04 in (2.63 cm)

Weight

5.80oz (165g)

Options

CHV-RTHS: Remote temperature and relative humidity sensor
CHV-RTS: Remote temperature sensor
 Sensors ship primed white; may be painted or wallpapered.



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