# CHV-TSTAT-FCU

## Heating and Cooling Fan-Coil Thermostat

Supplemental Guide

Crestron Electronics, Inc.

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# CHV-TSTAT-FCU: Heating and Cooling Fan-Coil Thermostat

## Introduction

After installation, the Crestron® CHV-TSTAT-FCU needs to be set up. Refer to the information that follows for an overview of the setup procedure.

For more information on the CHV-TSTAT-FCU, refer to the CHV-TSTAT-FCU DO Guide (Doc. 7914).

## Set Up the Thermostat

A qualified technician should set up the thermostat locally. Navigate through the setup screens and make the changes necessary for the HVAC system.

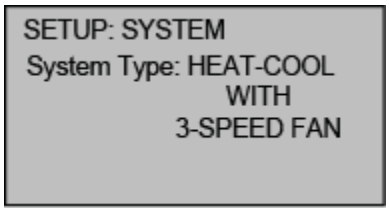
In most cases, default functionality is sufficient to run the system.

### Enter Setup Mode

Simultaneously press and hold the MODE and VIEW button until the SETUP: SYSTEM screen is displayed.

NOTE: Simultaneously press and hold the MODE and VIEW button to exit Setup mode.

*SETUP: SYSTEM Screen*

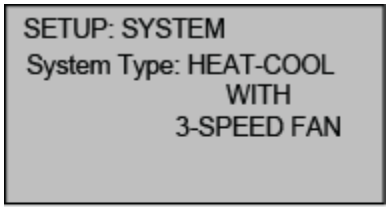


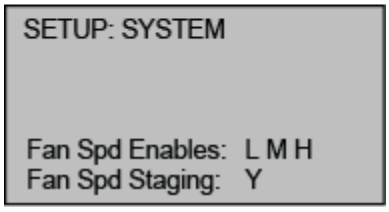

### Navigate Setup Mode

When in setup mode, press the MODE button to advance to the next screen, press the VIEW button to scroll vertically through the setup options on the screen, and press the up and down buttons to change the value for the selected item.

## Configure the Thermostat

*SETUP: SYSTEM Screen*

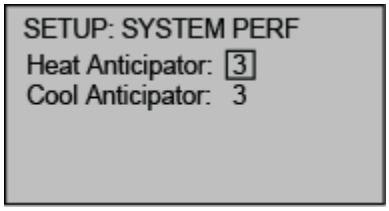



Use the Fan Spd Enables option to select the fan speeds that are available on the system.

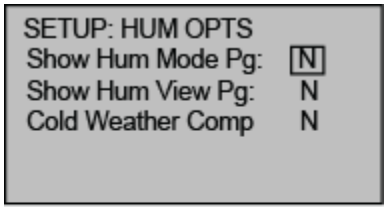
Fan Spd Staging allows the fan speed to be dynamically increased based upon current demand. If N is selected, the fan speed is fixed.

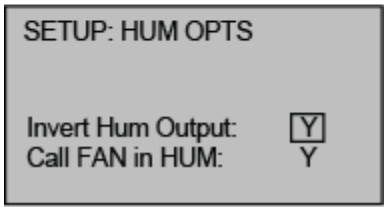
*SETUP: SYSTEM PERF Screen*




Use the Heat Anticipator and Cool Anticipator to control the steady-state regulation band size. A higher setting increases the band size.

*SETUP: HUM OPTS Screen*




The Show Hum Mode Pg shows the Humidifier page when the MODE button is pressed.

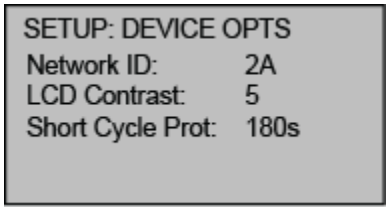
The Show Hum View Pg shows the humidity details when the VIEW button is pressed.

Use the Cold Weather Comp option to adjust the thermostat to prevent condensation on the windows when the outdoor temperature is cold.

Invert Hum Output inverts the humidity relay logic. Selecting Y inverts the output so that the relay is energized when the humidity level is above the desired set point. Selecting N keeps a standard output so that the relay is energized when the humidity level is below the desired set point

Use Call FAN in HUM to activate or disable the fan during calls to the humidifier.

*SETUP: DEVICE OPTS Screen*

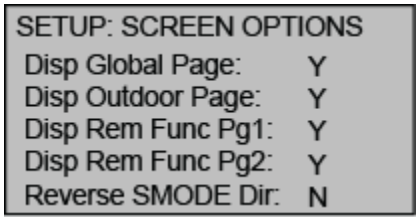



The Network ID must match the NET ID specified in the system program.

Use the LCD Contrast to change the contrast of the LCD screen.

Set the Short Cycle Prot to prevent the HVAC unit from quickly cycling on and off, which can damage the HVAC system.

*SETUP: SCREEN OPTIONS Screen*



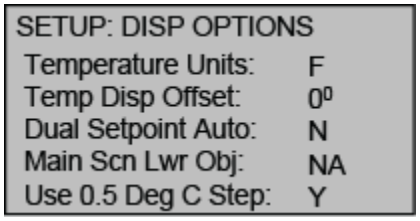

The Disp Global Page option displays the Global Update page when the MODE button is pressed.

The Disp Outdoor Page option enables viewing of the outdoor temperature when the VIEW button is pressed.

The Dis Rem Func Pg1 and Pg 2 options enable viewing of the sensor state when the VIEW button is pressed.

The Reverse SMODE Dir reverses the direction that the System Mode selection scrolls across the screen when the up or down arrows are pressed.

*SETUP: DISP OPTIONS Screen*




The Temperature Units option allows selection of Fahrenheit (F) or Celsius (C).

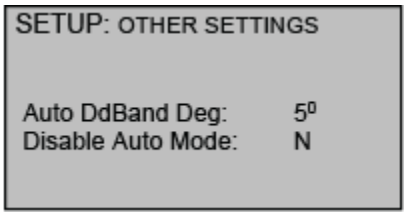
Temp Disp Offset alters the main display's temperature output by the number of degrees selected.

Dual Setpoint Auto allows two set points to be established when operating in auto mode. When operating in Dual Setpoint Auto mode, while the temperature set points are flashing, press the MODE button to toggle between the two.

The Main Scn Lwr Obj displays the reading for the slab sensor (sb), outdoor sensor (od), or humidity (HM).

The Use 0.5 Deg C Step option allows the set point to be changed in 0.5-degree increments.

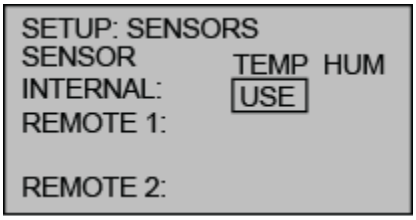
*SETUP: OTHER SETTINGS Screen*




Use Auto DdBand Deg to determine the minimum separation between heat and cool set points.

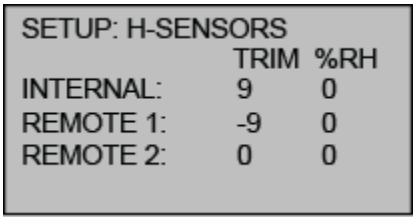
Disable Auto Mode removes the auto option from the System Mode screen.

*SETUP: SENSORS Screen*



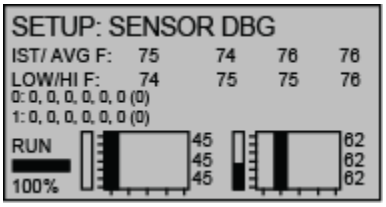

The SETUP: SENSORS screen allows defining which sensors are used to report temperature and humidity to the thermostat.

*SETUP: H-SENSORS Screen*



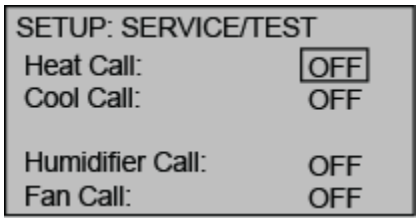

The SETUP: H-SENSORS screen allows the sensors values to be fine-tuned.

*SETUP: SENSOR DBG Screen*




Press VIEW to run sensor debugging.

*SETUP: SERVICE/TEST Screen*




The SETUP: SERVICE/TEST screen allows testing of the HVAC system directly from Setup mode. Set the Heat Call, Cool Call, Humidifier Call, or Fan Call to ON to test the HVAC system.

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