



CHV-TSTAT-FCU-PIR-10

Heating and Cooling Fan-Coil Thermostat

Supplemental Guide

Crestron Electronics, Inc.

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CHV-TSTAT-FCU-PIR-10: Heating and Cooling Fan-Coil Thermostat

Introduction

After installation, the Crestron® CHV-TSTAT-FCU-PIR-10 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-PIR-10, refer to the CHV-TSTAT-FCU-PIR-10 DO Guide (Doc. 7915).

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.

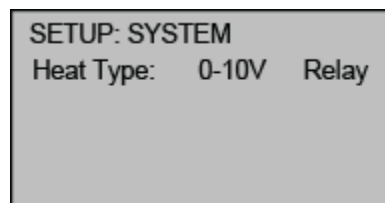
In most cases, default functionality is sufficient to run the system.

Enter Setup Mode

Press and hold the down button. While holding the down button, simultaneously press and hold the mode and fan buttons until the SETUP: SYSTEM screen is displayed.

NOTE: To exit Setup mode, press and hold the down button. While holding the down button, simultaneously press and hold the mode and fan buttons until the main screen is displayed.

SETUP: SYSTEM Screen

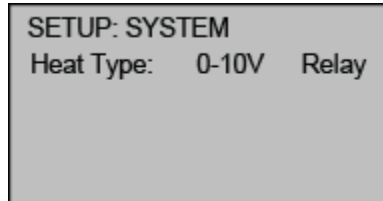


Navigate Setup Mode

When the device is in setup mode, press the MODE button to advance to the next screen, press the FAN 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

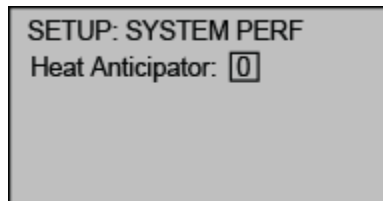
SETUP: SYSTEM Screen



SETUP: SYSTEM
Heat Type: 0-10V Relay

Use the Heat Type option to select the type of HVAC system that the thermostat is controlling.

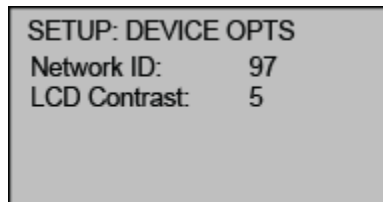
SETUP: SYSTEM PERF Screen



SETUP: SYSTEM PERF
Heat Anticipator: 0

Use the Heat Anticipator and Cool Anticipator to control the steady-state regulation band size. A lower setting results in more frequent cycles and faster response; a high setting results in less frequent cycles and a slower response.

SETUP: DEVICE OPTS Screen

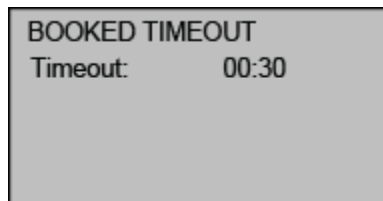


SETUP: DEVICE OPTS
Network ID: 97
LCD Contrast: 5

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.

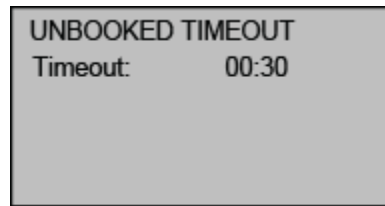
BOOKED TIMEOUT Screen



BOOKED TIMEOUT
Timeout: 00:30

The BOOKED TIMEOUT determines how long the room must be empty, as determined by the PIR, before the room enters the vacant state. Vacancy state is defined in the control system program.

UNBOOKED TIMEOUT Screen



The UNBOOKED TIMEOUT determines how long the room must be empty, as determined by the PIR, before the room enters the vacant state. Vacancy state is defined in the control system program.

SETUP: MIN/MAX Screen

SETUP: MIN/MAX			
	HEAT	COOL	AUTO
Min:	45	45	45
Max:	89	89	45

Set the minimum (Min) and maximum (Max) temperature set point for HEAT, COOL, and AUTO modes.

SETUP: SERVICE/TEST Screen

SETUP: SERVICE/TEST	
Heat Call:	0.0V
Cool Call:	0.0V
FAN Call:	0.0V
PIR:	

The SETUP: SERVICE/TEST screen allows testing of the unit while bypassing all system delays. The Heat, Cool, and Fan calls are settable via 0.1 V increments. When the device operates as a relay, Heat Call is relegated to ON or OFF.

The PIR displays DETECTED when motion is detected.

SETUP: DISP OPTIONS Screen

SETUP: DISP OPTIONS	
Temp Disp Offset:	0

The SETUP: DISP OPTIONS screen allows adjusting of both the displayed and the regulated temperatures.

SETUP: FAN VOLTAGE Screen

SETUP: FAN VOLTAGE	
High:	7.3V
Medium:	5.1V
Low:	2.9V

Use the SETUP: FAN VOLTAGE screen to select the voltages corresponding to the high, medium, and low fan speeds.

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