



CHV-TSTAT-FCU-PIR-10

Supplemental Guide

Crestron Electronics, Inc.

Original Instructions

The U.S. English version of this document is the original instructions.
All other languages are a translation of the original instructions.

Regulatory Model: M201911001

Crestron product development software is licensed to Crestron dealers and Crestron Service Providers (CSPs) under a limited nonexclusive, nontransferable Software Development Tools License Agreement. Crestron product operating system software is licensed to Crestron dealers, CSPs, and end-users under a separate End-User License Agreement. Both of these Agreements can be found on the Crestron website at www.crestron.com/legal/software_license_agreement.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, visit www.crestron.com/opensource.

Crestron and the Crestron logo are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography.

©2021 Crestron Electronics, Inc.

Contents

- Introduction 1
- Set Up the Thermostat** **2**
 - Enter Setup Mode 2
 - Navigate Setup Mode 2
 - Configure the Thermostat 2

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 installation information on the CHV-TSTAT-FCU-PIR-10, refer to the [CHV-TSTAT-FCU-PIR-10 Quick Start Guide \(Doc. 7915\)](#) at crestron.com/manuals.

Set Up the Thermostat

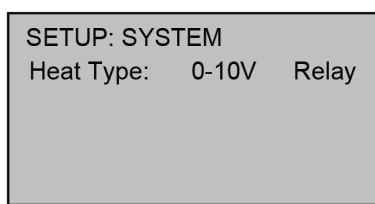
A qualified technician should set up the thermostat locally. Navigate through the setup screens and make the changes necessary for the HVAC system.

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.

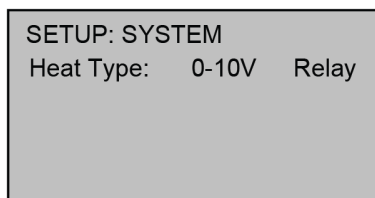


Navigate Setup Mode

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.

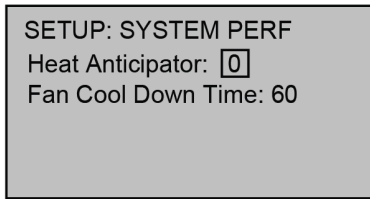
Configure the Thermostat

SETUP: SYSTEM Screen



Use the **Heat Type** option to select the type of HVAC system that the thermostat is controlling. Heat is not full modulating. It provides 0V signal for Off and 10V signal for On.

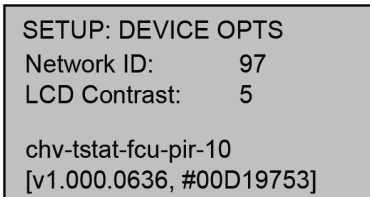
SETUP: SYSTEM PERF Screen



Use the **Heat 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.

Use the **Fan Cool Down Time** option to control how long the fan will run after a heating call is finished.

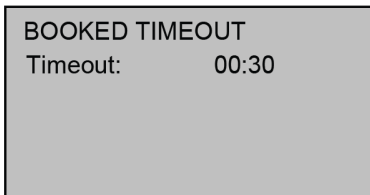
SETUP: DEVICE OPTS Screen



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.

The device name, current firmware version, and identification number are listed at the bottom of the screen.

BOOKED TIMEOUT Screen



The **BOOKED TIMEOUT** setting determines how long the room must be empty before entering the vacant state. Room emptiness is recorded when the passive infrared sensor does not detect motion. The vacancy state is defined in the control system program.

The **BOOKED TIMEOUT** setting functions exactly the same as the **UNBOOKED TIMEOUT** setting. **BOOKED TIMEOUT** should be used in a room that is occupied regularly, such as in a booked hotel room. **BOOKED TIMEOUT** should be set for a longer period of time than **UNBOOKED TIMEOUT** to ensure that the room does not enter the vacancy state while regularly occupied.

UNBOOKED TIMEOUT Screen

UNBOOKED TIMEOUT	
Timeout:	00:30

The **UNBOOKED TIMEOUT** setting determines how long the room must be empty before entering the vacant state. Room emptiness is recorded when the passive infrared sensor does not detect motion. The vacancy state is defined in the control system program.

The **UNBOOKED TIMEOUT** setting functions exactly the same as the **BOOKED TIMEOUT** setting. **UNBOOKED TIMEOUT** should be used in a room that is not occupied regularly, such as in a vacant hotel room. **UNBOOKED TIMEOUT** should be set for a shorter period of time than **BOOKED TIMEOUT** so the room can enter the vacancy state more quickly, which would ensure that energy is not expended for excess heating or cooling in a vacant room.

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 setpoint 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
Display Temp:	Y

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

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

Set the **Display Temp** to **Y** to display the ambient and setpoint temperatures on the front panel of the device. Set the **Display Temp** to **N** to only display the setpoint temperature on the front panel of the device.

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.

This page is intentionally left blank.

