Smart Forced Air, Inc.

Thermostat

Operators Manual

Version 1.2

28 January 2019

BEFORE INSTALLING AND USING THIS SYSTEM PLEASE READ AND UNDERSTAND THIS IMPORTANT LIABILITY DISCLAIMER:

Incidental, consequential, punitive, and other similar damages associated with the operation of our system components are liabilities not assumed by Smart Forced Air, Inc. In any event, our maximum financial liability is limited to the total cost of the SFA products associated with any claim. Our liability and warranty do not cover any equipment or products other than Smart Forced Air, Inc. products. Our equipment is designed to be used with the vast majority of HVAC equipment. We strongly advise our customers to seek professional HVAC Dealer support to confirm there are no compatibility issues.

Welcome!

Thank you for your purchase of the Smart Forced Air Thermostat product.

Introduction

The Thermostat product is designed to allow the user to add climate control zones to their home or office. Each Thermostat can be associated (i.e. linked) to one or more SFA (Smart Forced Air) Registers.

Physical Installation

Select the Location:

Each SFA Thermostat will ideally be located on a building's interior wall, away from direct sunlight, and located away from other direct sources of heating or cooling. For example, it would be best to not locate the Thermostat directly over a candle, a stereo, a TV, or some other piece of electronics that generates a lot of heat. Typical installation heights range between 36" to 60", depending on the preferences of the users and the physical requirements of the particular location.

The overall governing rule of thermostat location is to select a place that will do a good job of representing the temperature of the particular zone you are controlling.

Mounting Wall Plate:

Before attaching the Wall Plate to the wall, keep in mind that the first location selected for a Thermostat might not be your final ideal location – making use of the included 3M command strips can be useful to test a location before "committing" to the location with screws in the wall.

Once the location has been selected, the Thermostats Wall Plate can be attached to the wall. Two methods of attachment have been provided to keep installation fast, clean, and easy. The first method is to use the provided 3M Command Strips (part number XXXXX). The second method is to use screws with sheet rock anchors (also provided). Take note of the level bubble on the Wall Plate to help you achieve a level installation of the wall plate.

Mounting Thermostat:

Once the Wall Plate has been attached to the wall, insert the three included AA batteries into the Thermostat (note battery polarity). After the batteries have been inserted, and the display can be seen, simply press the Thermostat onto the Wall Plate, and the Thermostat will snap into place.

To remove the Thermostat from the Wall Plate, simply pull the Thermostat until the clips release; it should not take much force to release the Thermostat from the Wall Plate.

System Linking

Your new Smart Forced Air Comfort System requires a small amount of setup to let the system know which SFA Registers are associated with each Thermostat. The process to setup the system is as follows:

- Link the Thermostat to the Director module. Do this by entering Linking mode on the Director and on each Thermostat
- Once the Thermostat is linked to the Director, enter Linking mode again on the Thermostat
- Then push the link button on the Register that you would like to associate with the Thermostat
- Repeat the process of linking the Thermostat with any additional Registers you would like associated with that Thermostat

That's it! Once each Thermostat is associated (Linked) to all the Registers for that zone, you can move on to configuring the thermostats settings.

Thermostat Configuration

Hold Menu:

Enter this menu from the home screen by selecting the "HOLD" button. In this menu, you can cancel hold mode (go back to the normal system program), enter temporary hold mode (the temperature will be overridden until the next programmed time for a temperature change), or permanent hold (the programmed temperatures are completely overridden).

Setting Temperatures:

To override the currently programmed temperature, press the up and down arrows on the home screen to adjust the temperature up and down.

To setup the temperature program, enter the main menu and select "Edit Temperature Setting Schedule."

Next, select the days you would like to setup. You can setup individual days, or all days, all at once.

Once in the scheduling menu, simply scroll up and down to select the event you want to change, and press the "Change" button. Adjust the time to where you would like it (Up and Down buttons), then press "Next."

Continue by adjusting the temperature set points. You can cancel out at any point, which will discard any changes, or save the changes when you get to the end of the process by pressing the "Save" button.

When done making changes to the schedule, press the "Main Menu" button.

If you would like to make further changes to another day or group of days, simply go back into the same "Edit Temperature Setting Schedule" menu, select the next day or group of days, and make your desired changes.

System Mode:

Select heating mode, cooling mode, or turn the system off.

Setting Time:

Use this menu to set the day and time.

Humidity Controls:

Allows the user to select the desired Humidity set point. If a dehumidifier is installed, this will run the dehumidifier to get to this set point. If a humidifier is installed, this will run the humidifier to get to this setpoint. If it is cold outside and window protection is enabled, the humidity setpoint can be automatically decreased to attempt to prevent moisture from condensing on the window and freezing.

Fan Mode:

This allows the user to select if the fan is in AUTO mode (turns on when the furnace comes on), or ON mode (always on).

User Settings:

This allows the user to configure items like whether temperatures will be displayed in degrees F or degrees C, minimum and maximum set point temperature limits, etc.

System Info:

This section contains information about both the unit and the system and is for informational purposes only; no settings can be changed. In this area, you will information about firmware revisions, units linked into the system, etc.

Regulatory Info:

This section contains the FCC-ID of the unit and is for informational purposes only; no settings can be changed.

Find us on the web:

www.smartforcedair.com

Email Us:

support@smartforcedair.com

You can contact us via snail mail:

Customer Service

Smart Forced Air

PO BOX 4090

Bozeman, MT

59772

Warranty

Smart Forced Air, Inc. (SFA) provides a two-year limited warranty against defects in materials and labor in the manufacturing process. The warranty period begins thirty days after we ship the product to the customer. We are aware of your shipping date and grant extra days to our warranty to allow for a reasonable worst-case shipping times and delays in getting the system installed and operational.

Our modules are not expected to be repaired in the field and therefore any hardware issues will involve the fast, no-charge replacement of a warranty covered module. Free shipping is FOB Montana, via ground shipping to the customer for warranty replacements. A free-shipping return shipping label for the return of the failed unit is also included. Out of warranty shipping is charged a nominal freight fee both directions, but we will send you a pre-paid return shipping tag to simplify the customer experience and expense (because we get discounts for commercial freight).

Firmware updates are going to be provided at no charge to present customers during the warranty period. Out-of-warranty hardware replacements will be made at a discounted price contingent on the return of the failed unit. Out-of-warranty firmware updates might be provided at a reasonable fee if new added features are included.

Any warranty-replacement unit will have a 90-day warranty extension granted beyond the remaining warranty period for that module. The customer will be given directions for how to claim her warranty replacement module by going to www.smartforcedair.com/smartservice. A brief interactive troubleshooting guide will determine if the unit has indeed suffered a hardware failure. Otherwise, suggestions for easy repairs will be given to avoid any un-necessary delays waiting for a replacement unit. For more Customer Service information refer to the Operators Manual.

Smart Forced Air, Inc. is not responsible for defects caused by shipping damage. In that event, the customer must make a claim with the shipping company. We also do not warrant our products against any kind of damage (such as abuse, water, or fire) caused outside the normal expected use of our products. This warranty gives the customer specific legal rights. Some states offer their citizens special warranty protections that may give you special rights over and above those we offer to all customers.

Regulatory Information

FCC ID: 2ASCS-SFA2019STAT11

CAUTION:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and

2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna

—Increase the separation between the equipment and receiver

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

—Consult the dealer or an experienced radio/TV technician for help

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.