



www.homecomfortzones.com



Smart Controller

User Manual

Welcome!

Your new Smart Controller is a climate control break through! The Smart Controller is your key to ultimate comfort. When used in conjunction with the rest of the Home Comfort Zones system it will allow you to individually control rooms in your home, creating ideal microclimates for your complete comfort and enjoyment.

Copyright

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Important Notices

Legal and other notices

- The contents of this document are subject to change without prior notice.
- Although the contents of this document have been carefully checked to avoid errors, some may still occur. If you have a question about this manual or if you find an error please contact us.
- No part of this publication may be reproduced or reprinted except for personal use without prior written permission from Home Comfort Zones.

Radio and Television Interference

This Smart Controller 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. The Smart Controller generates and radiates radio frequency energy and if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the Smart Controller does cause harmful interference to radio or television reception, which can be determined by pressing any button on the Smart Controller, 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 Smart Controller and the receiver.
- Consult the dealer that installed the Smart Controller for help.

In order to maintain compliance with FCC regulations, the Smart Controller must not be modified in any way and only approved batteries must be used. The user is cautioned that changes and modifications made to this Smart Controller could void the user's authority to operate this equipment.

Declaration of Conformity

Model Number: SC-02

Trade Name: Home Comfort Zones

Responsible Party: Home Comfort Zones Inc.

Address: 8239 SW Cirrus Drive, Beaverton, Oregon 97008 U.S.A.

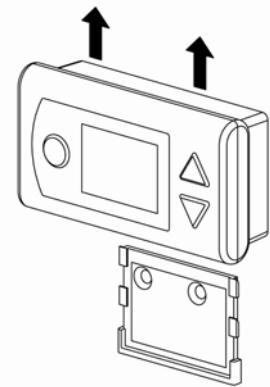
Telephone: (503) 626-2797

This device complies with Part 15 of the FCC rules.

Operation is subject to the following two conditions:

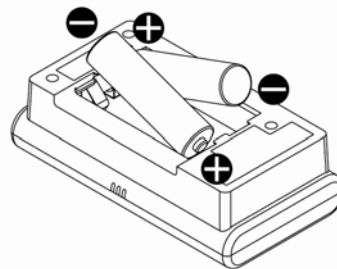
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Battery Replacement - Alkaline AA



When the “Low Bat” symbol appears on the Smart Controller display you should replace the batteries. Remove the Smart Controller from the wall by lifting the main body of the Smart Controller up. The battery cover / mounting bracket will remain attached to the wall. Turn the Smart Controller over and remove the old batteries. Please discard the batteries properly. NEVER discard the old batteries into a fire. Replace the batteries with two new AA batteries of the same type and manufacturer. Home Comfort Zones recommends using alkaline batteries.

Please ensure that the batteries are correctly inserted into the Smart Controller. Match the polarity of the battery with the label inside the Smart Controller battery case.



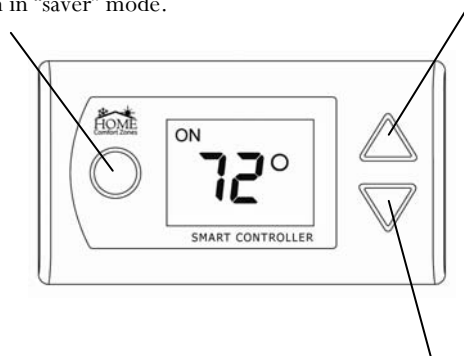
Quick Start - Using your Smart Controller

On / Saver -

Enables conditioning to the room, or places the room in “saver” mode.

Increase Temperature -

Up arrow will temporarily increase the temperature in the room.



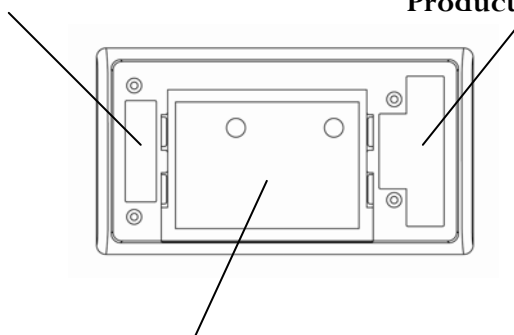
Decrease Temperature -

Down arrow will temporarily decrease the temperature in the room.

Smart Controller ID Label -

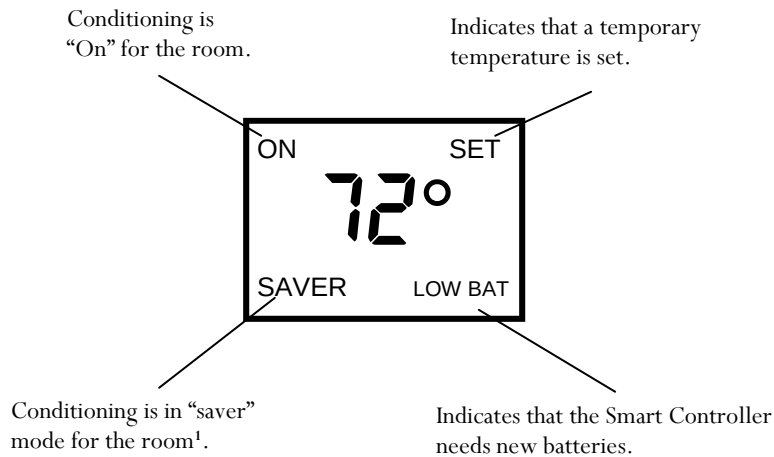
Each Smart Controller requires a unique identification number. Your dealer will program this ID at installation and record the number on this label.

Product Label



Battery cover / mounting bracket -

The Smart Controller can be mounted on a wall by using 3M Command Adhesive™ or by using two 6x1 inch drywall screws.



Placement of your Smart Controller

The key to your comfort is the proper placement of the Smart Controller. The Smart Controller is more than a thermostat, it is your local interface to your Home Comfort Zones climate control system. The Smart Controller contains a very accurate temperature sensor. In order for the Smart Controller to function properly you will need to consider several factors.

DO NOT place the Smart Controller:

- Behind doors, in corners or other dead air spaces.
- In direct sunlight or near lamps, appliances or other sources of radiant heat.
- On an outside wall or wall exposed to an unconditioned space (i.e. garage, etc.).
- In the flow path of a supply register, in stairways or near outside doors.
- On a wall where concealed pipes and/or ductwork will affect the thermostat.
- Near sources of electrical interference such as arcing relay contacts.

Your installer will work with you to determine the proper location in each room. Although the Smart Controller can be placed anywhere, we recommend that you mount it to the wall to ensure it stays in the room it is controlling and does not get lost. (If the Smart Controller is removed from the room it is assigned to, your system will not function properly.)

1. The system default for "saver" mode is 60° for heating / 90° for air conditioning. Circulation will occur periodically to avoid stale air.

Using Your Smart Controller

The Smart Controller is just one part of your new Home Comfort Zones climate control system. In order for the Smart Controller to function properly, your entire system should be installed and set up by a professional Home Comfort Zones' dealer. Before your installer leaves your home she should have shown you how to set the temperature for your entire home from the main display.

The main purpose for the Smart Controller is to:

- Turn on and “off” the conditioning to a particular room
- Temporarily adjust the temperature in a particular room

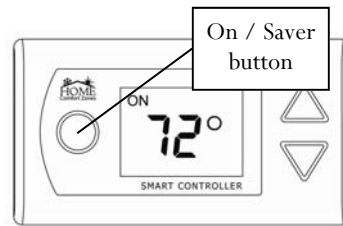
Turning On and “Off” Conditioning

Your Home Comfort Zones system is designed to save energy while providing you with the utmost comfort. Most thermostats have a “vacation” mode or some setting that allows you to save energy while you are away for an extended period. With the Home Comfort Zones climate control system you can now extend that concept to individual rooms that are currently not being used.

Your installer will program the main system for your AWAY settings. The AWAY settings are economy settings to be used when you will be away from the home for an extended period of time. Typically home owners will reduce the heating setting to 60° and increase the air conditioning setting to 90°. Your dealer will

recommend settings for your particular climate. By default, when you place a room in “Saver” mode, by pressing the On/Saver button, the system will use the “away” settings for that room. The system will also periodically turn circulation on to avoid stale air.

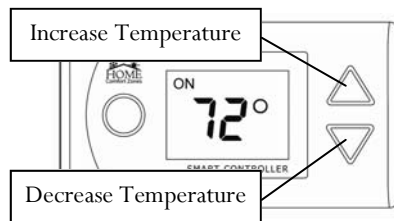
You can also program individual “saver” settings for each room or groups of rooms. Please consult your Main Display System manual for information concerning individual room settings.



If a room is in SAVER mode and you press the On/Saver button, the room will be conditioned to the settings currently programed at the main display for that room .

Temporarily Adjusting the Temperature

You can easily adjust individual room temperatures by pressing the UP or DOWN buttons on the Smart Controller. The Smart Controller will immediately go into SET



mode, indicating that it is in the process of changing the temperature in the room. The Smart Controller will alternately display the SET temperature and the current room temperature. The SET mode is completed when the current temperature equals the SET temperature. This temporary setting will last for a period of time determined by the main system setting. The factory default is set at four

hours. If you are constantly adjusting a room's temperature, you might consider permanently changing the programmed setting for that particular room. (We assume that one occupant will set the temperature of the whole house to meet her needs and the other occupant will go from room to room adjusting the temperature to meet his needs.)

When Should I Turn a Room “Off”?

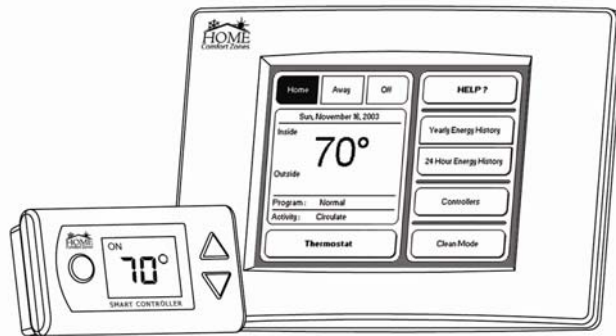
Any time you are not using a room everyday, it would be a good idea to place that room in “Saver” mode. Guest / spare bedrooms, media or bonus rooms and home offices are all good candidates for energy savings. You simply set the Smart Controller to the “saver” position when these rooms are unoccupied. When you want to use the room simply turn the room “On” by pressing the “On / Saver” button on the Smart Controller. Within a matter of minutes you will feel the conditioning as the system brings the room to the programmed set temperature.

The “On/Saver” button is ideal for bedrooms that will not be occupied during the day. As the children leave their rooms for school or as you leave your room for the office, you can now turn off your lights AND turn “off” the conditioning for your room.



Comfort in Every Room™

www.homecomfortzones.com



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