

INSTALLATION AND MAINTENANCE



ATMOS


 **Bluetooth® Thermostats**



Model Numbers:
ATMOS1-B and ATMOS2-2



Specifications:

Thermostat is suitable for electric heating systems.
Power Supply: AC 208/240V
Maximum Power:
 3328W @ 208VAC (16A)
 3840W @ 240VAC (16A)
Power Consumption: 7VA
Temperature Display Range: 32°F-122°F
Temperature Display Resolution: 1°F
Temperature Control Range: 41°F-95°F
Temperature Adjustment Scale: 1°F
Selectable Switching Differential: 1°F~2°F (Default 1°F)
Anti-Freeze Protection: 41°F
Temperature Sensor: NTC 10K Ohm @ 77°F
Listing: c ETL us 

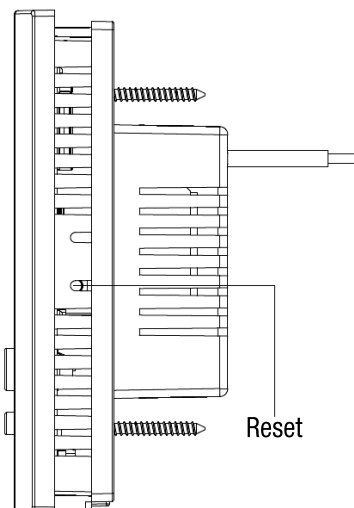
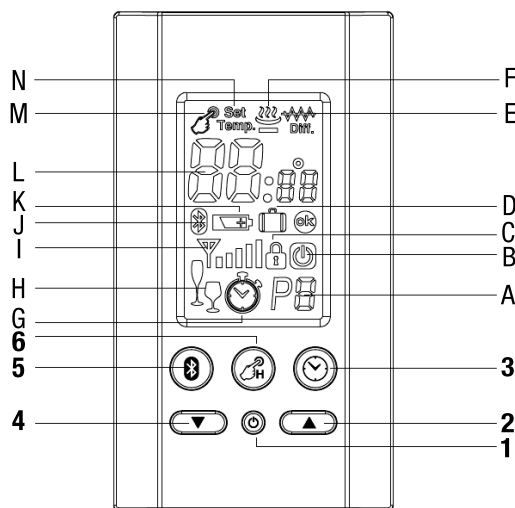


WARNING



READ CAREFULLY - These instructions will help prevent difficulties that might arise during thermostat installation. Studying the instructions first may save considerable time and money later. Observing the following procedures will keep installation time to a minimum. Save these instructions for future use.

- | | |
|---------------------|--|
| 1. Standby Button | A. Period Indicator |
| 2. Up Button | B. Standby Indicator |
| 3. Time Button | C. Key Lock Indicator |
| 4. Down Button | D. Vacation Indicator |
| 5. BlueTooth Button | E. Differential Indicator |
| 6. Hold Button | F. Heating ON Indicator |
| | G. Programming & Time Indicator |
| | H. Boost Indicator |
| | I. RF signal Strength Indicator |
| | J. Bluetooth On Indicator |
| | K. Battery Low Indicator |
| | (Available only on battery powered Thermostats) |
| | L. Temperature or Time Display |
| | M. Manual Indicator |
| | N. Override setting Icon |



Product Overview

The ATMOS series thermostats are designed to provide the highest level of accurate temperature control for residential line voltage electric heating in 208/240 VAC. Almost all electric heaters installed as original equipment in a residential application will be 208 or 240 Volt. It is very rare that a home, apartment or condominium would be wired with all 120 Volt heaters. Check your voltage to make sure you have the right thermostat for your heater voltage. A 2-pole or double wide circuit breaker, at the panel would indicate you should use the 240 Volt model. A 1-pole or single wide breaker, would indicate a 120 Volt circuit. There are some exceptions to this rule, so checking with a voltmeter is the only way to know for sure.

Be safe and smart, electricity can cause severe injury or death. If you are uncomfortable hire an electrician for the project.

The ATMOS thermostat will provide years of comfort control for your family for small fan driven electric heaters, baseboards, radiant ceiling, wall panel heaters, cove heaters, or any line voltage resistance heating systems that do not have an electric motor over 1/3 hp. The thermostat will be warm to the touch on top. This is normal operation and also provides air currents across the face of the thermostat that better help it sense room temperature.

INSTALLATION CONTINUED



The installation of the thermostat must comply with the applicable local and/or national electrical code and utility requirements. This installation should be performed by a qualified electrician where required by law. Ensure that all wiring connections to the thermostat are correct and tight to prevent electrical shorts. Use the appropriate wire to meet local and national electrical codes for rated power consumption.

INSTALLATION AND WIRING INSTRUCTIONS

Warning: Turn OFF the power at the circuit breaker before Installing. Installation should be performed by a qualified electrician.

Refer to thermostat and heater load specifications before installation of the thermostat to see if it can handle the amp load. The maximum this thermostat can run is 3840 Watts at 240 Volts and 3328 Watts at 208 Volts.

Install unit in a grounded metal or plastic wall junction box, indoors 4 ½' to 5' above the floor. Avoid any area where it can come in contact with external sources of heat and cold. This includes plumbing pipes, direct sunlight, a T.V. set, lamps, and drafts from a door or window, as this may cause inaccurate temperature readings. The most convenient place is above the light switch. Not for Outdoor use.

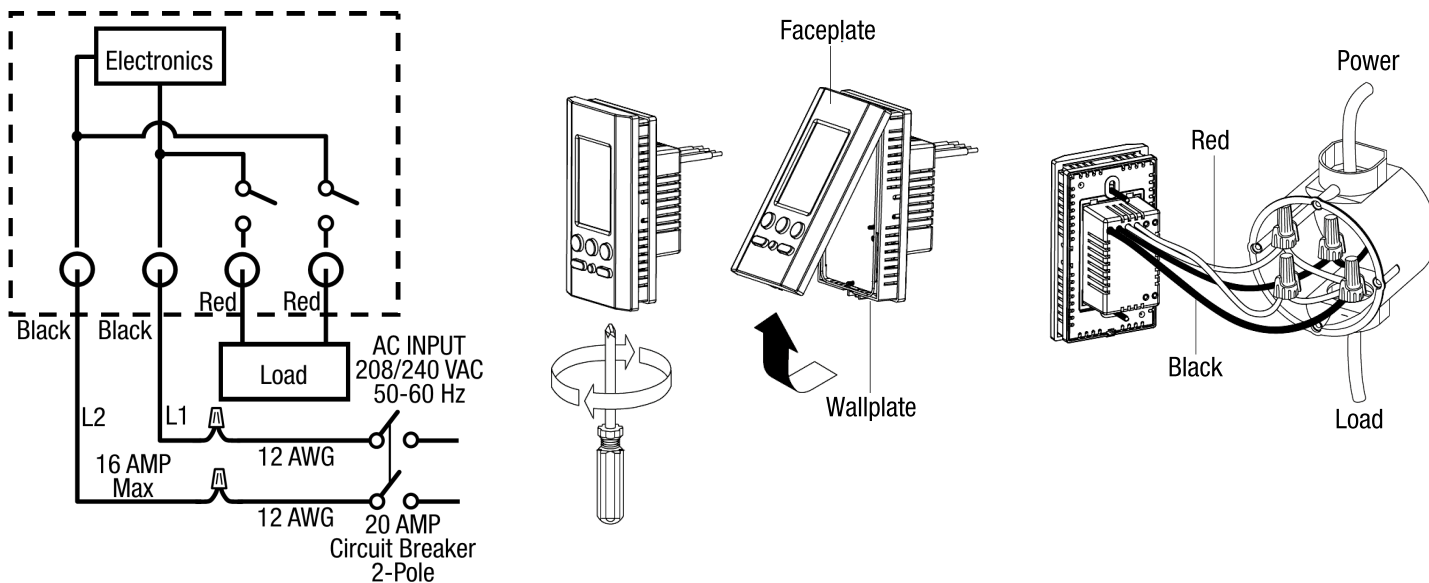
WIRING INSTRUCTIONS

Caution: Turn off power at the circuit breaker before performing any work on the electrical connections. None of the electrical connections must be live until the installation has been completed and the housing is closed. Only a qualified electrician or authorized technician are permitted to open the terminal box.

Wiring requires a Phillips screwdriver

1. Disconnect power supply to prevent electrical shock or damage to the product.
2. Run line voltage wiring to the location of thermostat.
3. Connect output terminals to heating system in accordance with instructions from the heating system.
4. Make sure your ATMOS thermostat is COMPLETELY RECEDED into the metal junction box in the wall and NO WIRES SHOULD BE EXPOSED outside the metal or plastic junction box.

Atmos wiring diagram:



GENERAL INFORMATION



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Temperature Adjustment Scale: 1°F

Selectable Switching Differential: 1°F~2°F (Default 1°F)

Anti-Freeze Protection: 41°F

Temperature Sensor: NTC 10K Ohm @ 77°F

Listing: c ETL us 

PRODUCT SETUP AND SETTINGS

Downloading ATMOS Mobile

In order for your ATMOS Thermostat to work properly with your iOS devices, please download the APP from the AppStore:

Visit: <https://itunes.apple.com/us/app/atmos-thermostat/id986294856>

Or Use QR Code below:




ATMOS



PRODUCT SETUP AND SETTINGS

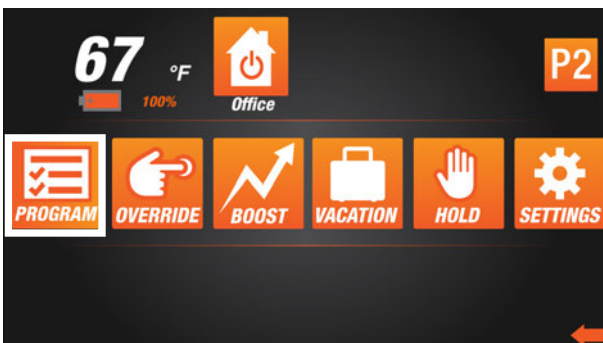
Launch Bluetooth Application

1. Find the ATMOS Mobile app on your iOS device.
2. Launch ATMOS Mobile app.
3. Press  icon to add new thermostat.
4. ATMOS Mobile will search for Bluetooth enabled thermostat in the close vicinity.
5. Select the thermostat you wish to add.

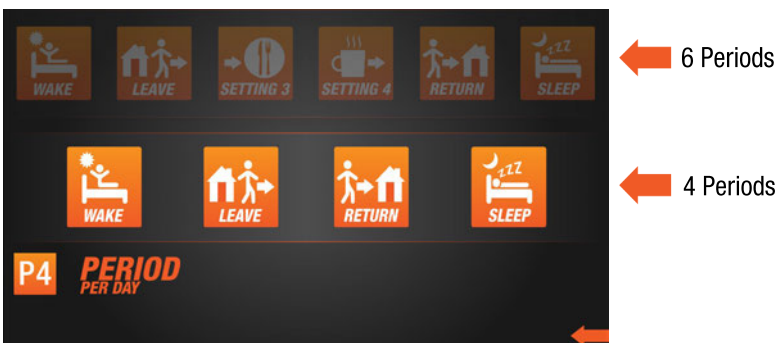


Programming the Thermostat

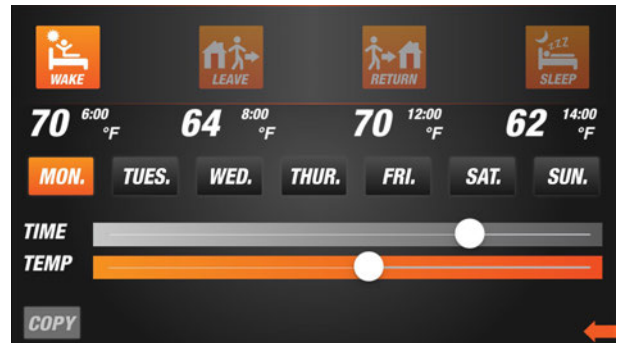
Select the Program icon to begin the program configuration



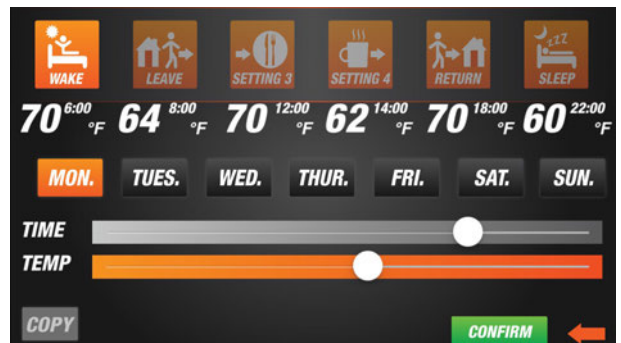
You can choose to program either 4 or 6 periods per day. Select whichever you prefer.



4 Periods per day



6 Periods per day



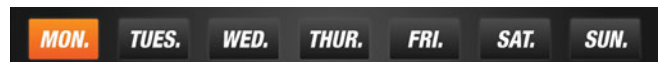
Copying Program Feature

COPY is a small function that is built-in to the ATMOS Mobile to allow users to easily transfer settings between the weekdays. You can locate the Copy command in the lower left-hand corner.

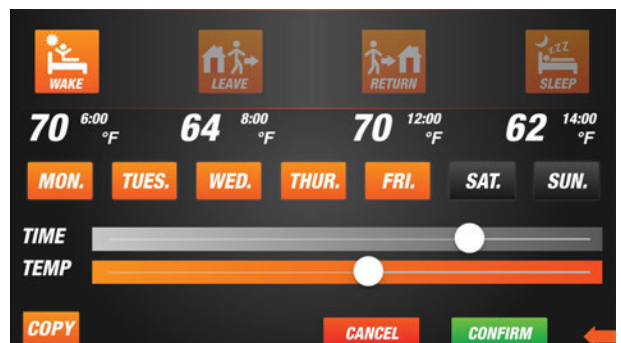
Select the period to configure

Step 1: Press the **COPY** icon

Step 2: Select the day of the week that you wish to copy the setting from:



Step 3: Select the days of the week you wish to copy the settings to:



Step 4: Select **CONFIRM** to save changes to thermostat or press  to exit.

PRODUCT SETUP AND SETTINGS

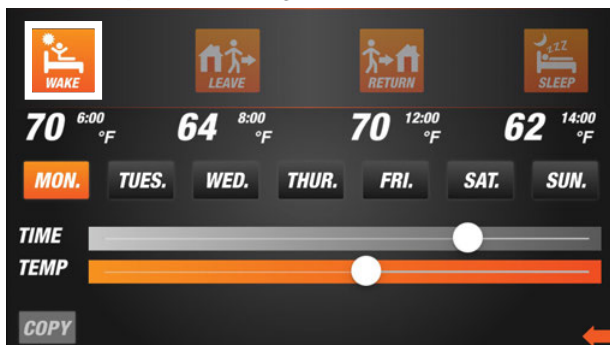
Programming your weekly schedule

Option 1

4 Periods per day configuration

- Wake
- Leave
- Return
- Sleep

Select the period to configure



Step 1: Select the day of the week



Step 2: Select the time of the period by moving the slider



Step 3: Select the temperature of the period by moving the slider



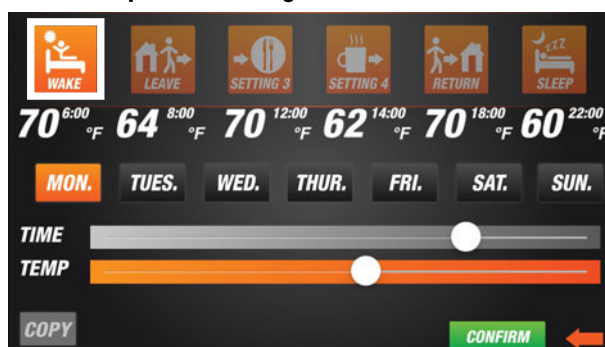
- Press **CONFIRM** to save the changes to the thermostat, or press cancel to revert back to original settings
- Press to exit

Option 2

6 Periods per day configuration

- Wake
- Leave
- Lunch
- Afternoon Tea
- Return
- Sleep

Select the period to configure



Step 1: Select the day of the week



Step 2: Select the time of the period by moving the slider



Step 3: Select the time of the period by moving the slider



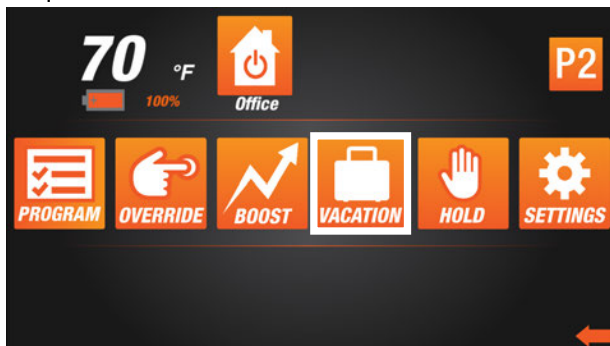
- Press **CONFIRM** to save the changes to the thermostat, or press cancel to revert back to original settings
- Press to exit

PRODUCT SETUP AND SETTINGS

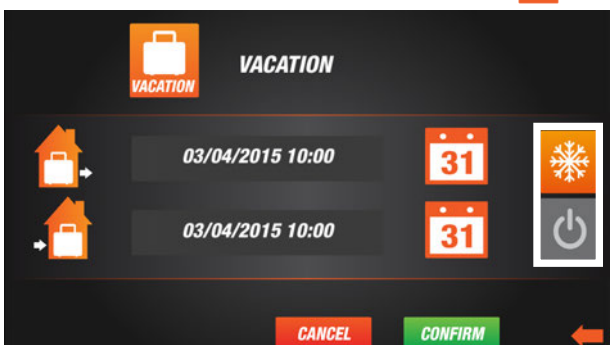
Vacation Mode

This thermostat offers a vacation setting where you can schedule in advance days you are out of the house. Thermostat can be set to turn off or run in Freeze protection mode during that time.

Step 1: Select the Vacation Mode icon



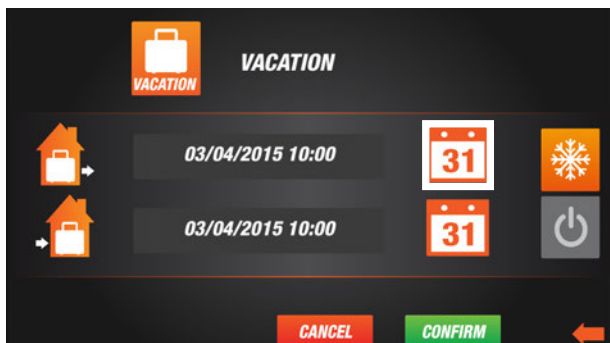
Step 2: Select if you wish to run Freeze Protection ❄️ or Power OFF ⏻



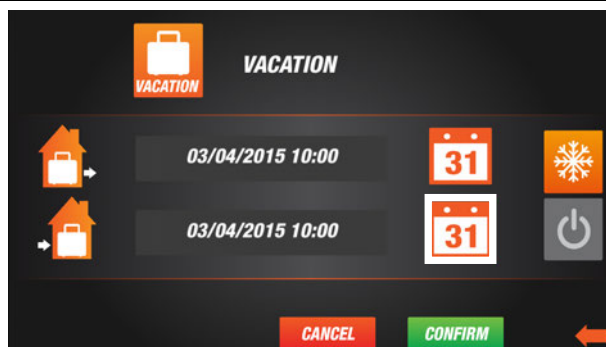
Note:

- Freeze Protection mode ❄️ offers 41° F freeze protection. This means the system is still on and when the room temperature drops below 41°F, heating will come on to provide minimum heating.
- Power Off mode ⏻ offers complete system shutdown.

Step 3: Select the calendar icon to set vacation starting time and date.



Step 4: Select the calendar icon to set vacation ending time and date.



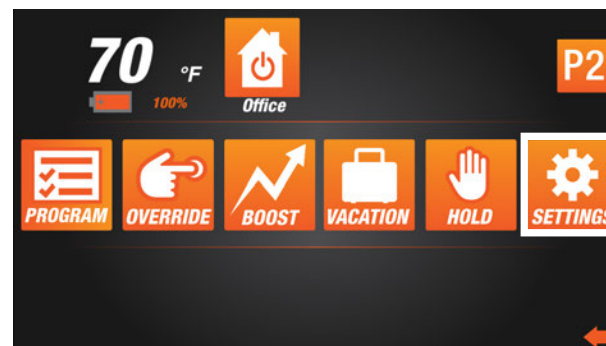
Note: End date must be later than the start date.

Step 5: Select **CONFIRM** to save changes to thermostat or press **CANCEL** to exit.



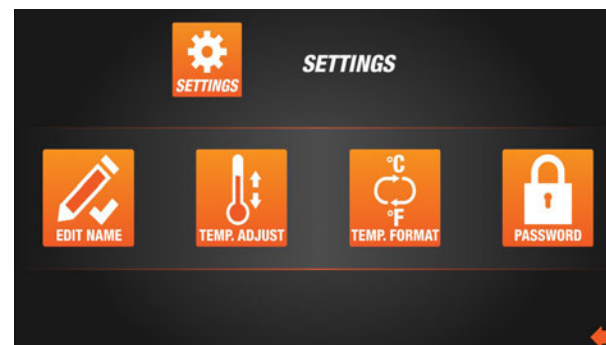
Step 6: Pressing the top right hand Vacation icon will cancel the Vacation function and return to programmed schedules.

Settings Mode



Settings Mode allows you to change the following:

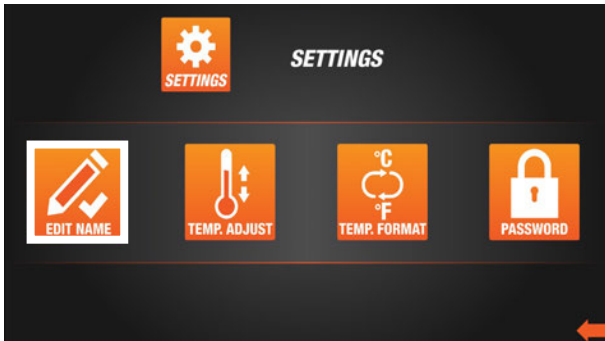
- Change the name of the thermostat
- Temperature scale change
- Adjusting Temperature Compensation
- Assign password



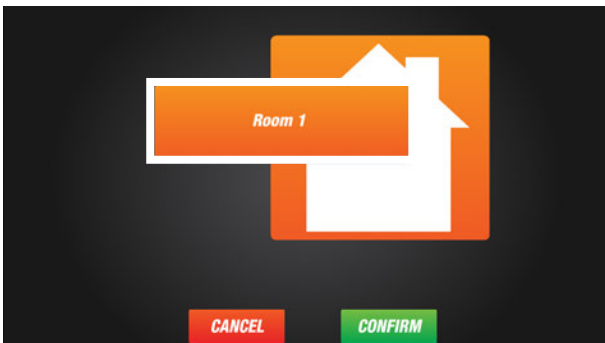
PRODUCT SETUP AND SETTINGS

Name Your Thermostat

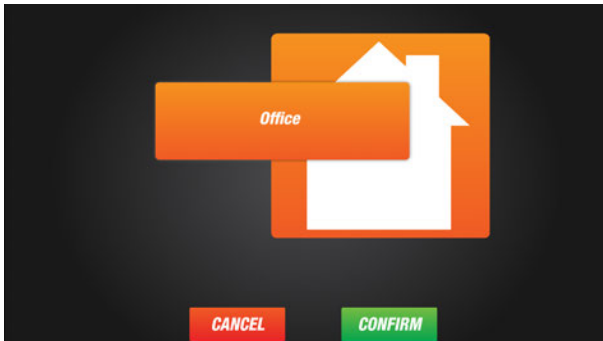
1. Select (Edit Name) icon



2. Rename the thermostat with the name you prefer
3. Press the text box



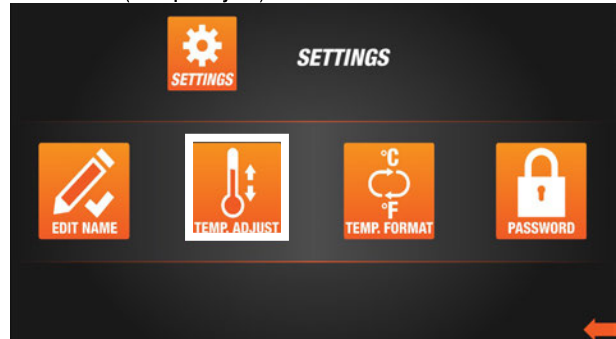
4. Change the name



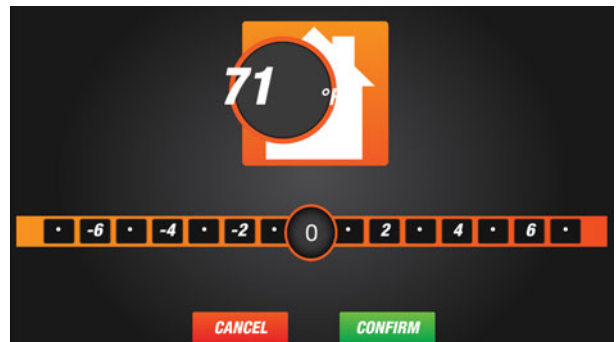
5. Select **CONFIRM** to save changes to thermostat or press **CANCEL** to exit.

Temperature Compensation of the Thermostat

1. Select (Temp. Adjust) icon below



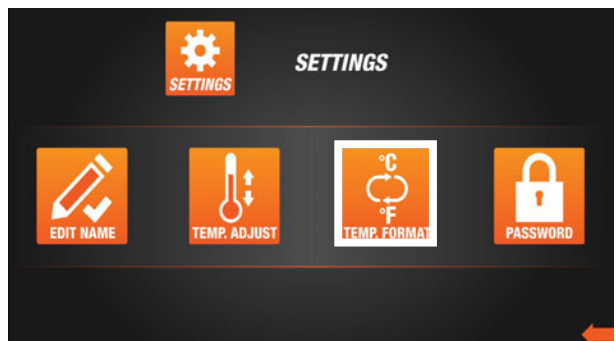
2. Select how many degrees you wish to compensate against by sliding the white tab in the following screen



3. Select **CONFIRM** to save changes to thermostat or press **CANCEL** to exit.

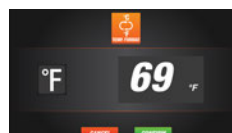
Temperature Scale of the Thermostat

1. Select icon below

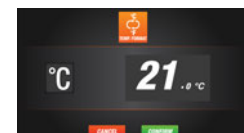


2. Tap °F to change to Fahrenheit and tap °C to change to Celsius and you will see the temperature changes to:

Fahrenheit



Celsius

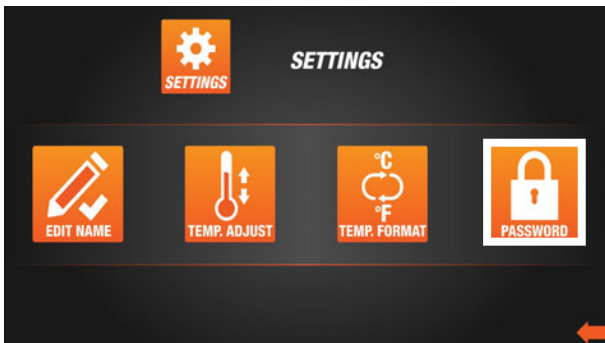


3. Select **CONFIRM** to save changes to thermostat or press **CANCEL** to exit.

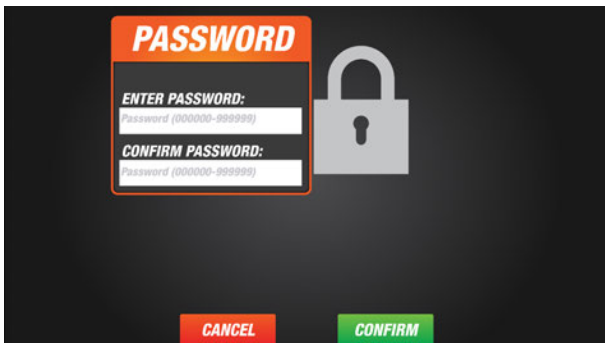
PRODUCT SETUP AND SETTINGS

Setting Password for Thermostat

1. Select the Password icon below



2. Enter the new password in the following screen:



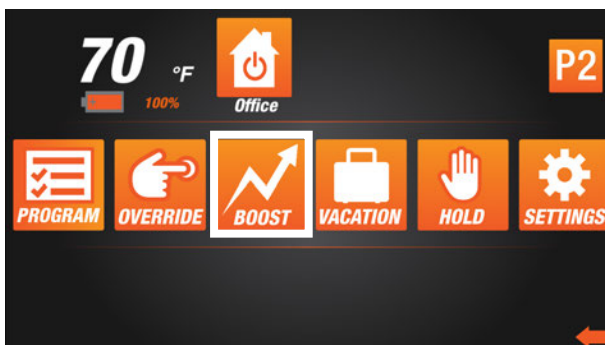
3. Select **CONFIRM** to save changes to thermostat or press **CANCEL** to exit.

Note: The password only prevents others from accessing your thermostat from their iOS devices.

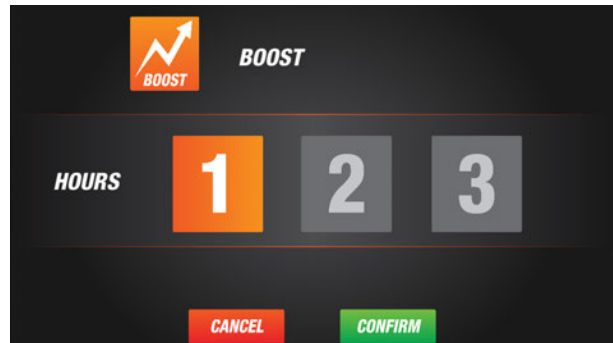
Boost Mode

Boost mode allows user to maintain the current setting and bypass the scheduled program. The thermostat will return to its regular schedule programming after the boost time is finished.

1. Select the Password icon below

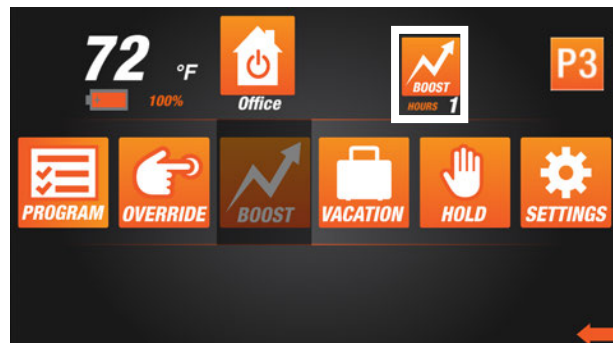


2. Select how many hours you wish to boost



3. Select **CONFIRM** to save changes to thermostat or press to exit. **CANCEL**

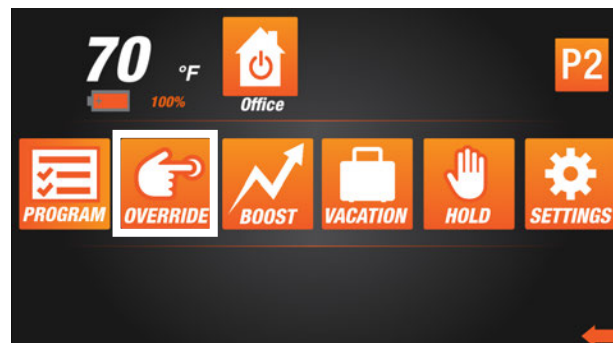
4. Verify Boost Mode is now active with the following



Override

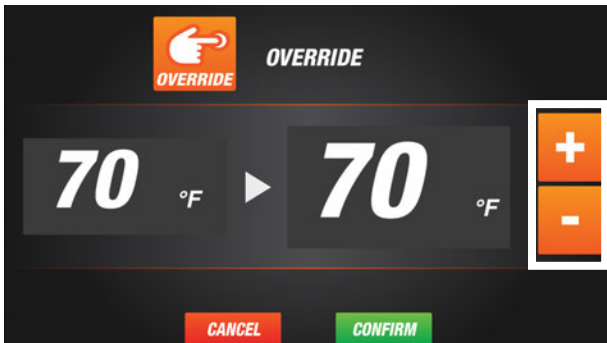
Override mode allows you to manually set the set point to desire temperature, until the next scheduled program.

1. Select Override Mode icon



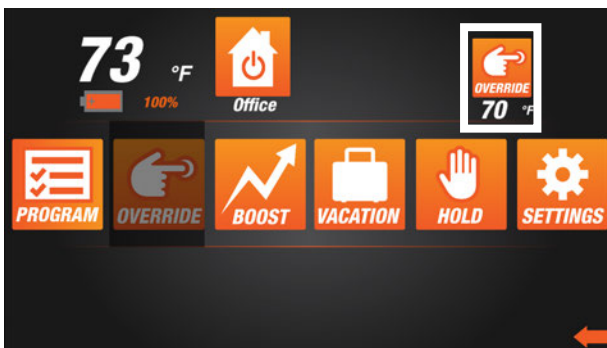
PRODUCT SETUP AND SETTINGS

2. Press **+** or **-** key to set the desired temperature



3. Select **CONFIRM** to save changes to thermostat or press **CANCEL** to exit.

4. Verify Override Mode is now active with the following



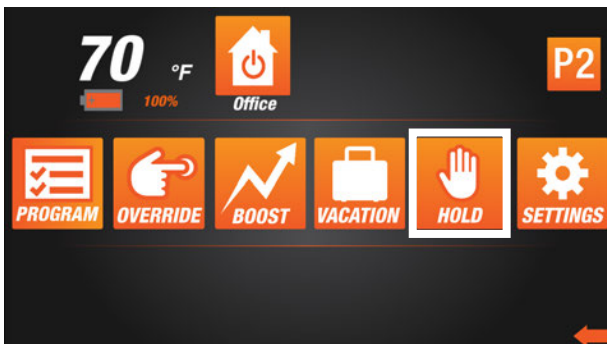
5. Press on the top right hand Override icon, this will cancel the Override function and return to programmed schedules.

Hold Mode

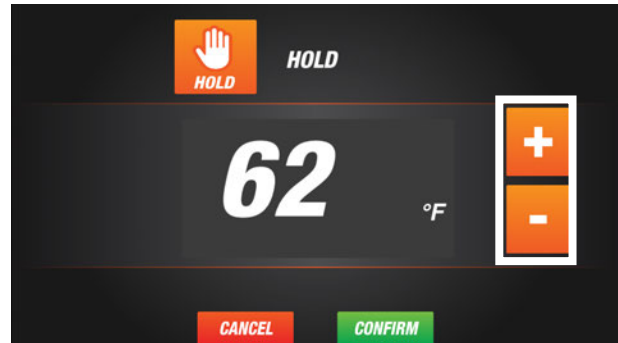
Hold mode is intended to force the thermostat to stay at a particular desired set point permanently until cancellation. Hold will override any programmed schedule until the Hold command is cancelled by the user.

Accessing Hold Command

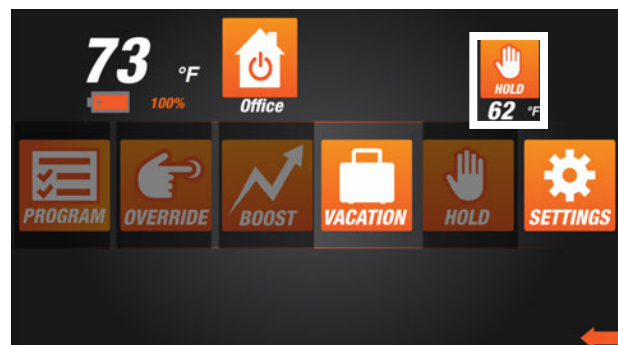
1. Select the Hold icon shown below.



2. Selecting the Hold icon will show the following screen. Tapping the **+** or **-** button will adjust the temperature set point.



3. Select **CONFIRM** to save changes to thermostat or **CANCEL** press to exit.
4. Verify Override Mode is now active with the following screen. Press on the top right hand Hold icon, this will cancel the Hold function and return to programmed schedules.






Resetting your ATMOS Thermostat



1. In case your ATMOS Thermostat is not functioning correctly, you can reset the unit back to factory default settings.
2. Locate the Reset button on the right side of the unit
3. Lightly press the button with a paper clip or similar and the unit will reset.

MANUAL OPERATION USING THERMOSTAT BUTTONS



Override Mode

1. Thermostat can override the preset temperature setting of default programming (P4 or P6) by pressing the Up or Down arrow keys on the thermostat.  
2. Press Up or Down arrow button twice and the LCD will show a "Temp. Set" symbol and a flashing "Manual" indicator.
3. Proceed and press either the Up or Down button to set a desired temperature. Every time you press the Up or Down button, the temperature will increase or decrease by 1°F (0.5°C).
4. When you've completed setting the desired temperature, wait for 5 seconds until the LCD stops showing the "Temp. Set" and the thermostat reaches the desired setting, the unit will function to maintain the set temperature during the period.
5. Override function can be disabled by pressing the Standby button. 



Hold Function

1. The ATMOS thermostat can hold a desired temperature value permanently by pressing the HOLD button. 
2. Press the HOLD button and the LCD will show a "Temp. Set" symbol and a fixed "Manual" indicator.
3. Proceed and press either the Up or Down button to set a desired temperature. Every time you press the Up button or Down button, the temperature will increase or decrease by 1°F (0.5°C).
4. When you've completed setting the desired temperature, wait for 5 seconds until the LCD stops showing the "Temp. Set" and the thermostat starts to operate, the unit will function to maintain the set temperature constantly.
5. Hold function can be disabled by pressing the Stand by button. 

Keylock Function


1. Press and hold the Stand by button and the Down button at the same time.  
2. Key lock indicator will show up on the screen.
3. Key lock function can be enabled or disabled by repeating the procedures above.

Return to factory settings/Remove Password

1. Press and hold the Stand by button and then press the Up button for 5 seconds.  
2. "dEL" symbol will show up on the screen.
3. All program settings return to the default values except the "device name".
4. The password setting will resume to default No password.


Clock Function

Once connected with an iOS device, the ATMOS has a function to show current time. It retrieves the time info from your iOS device.



1. Pressing the Time button will allow the ATMOS to show the current time and the programming mode (P4 or P6). 
2. Pressing the Time button again will return the screen to show the current room temperature and status display.

MANUAL OPERATION

Standby Function

1. Pressing the Standby button will allow the ATMOS thermostat to disable the relay output permanently. 
2. Standby indicator shows up on the screen.
3. Press the Standby button again will return to normal operation.
4. Pressing the Standby button also allows the ATMOS to quit from the current setting procedure.

Differential Setup

1. Press and hold the Up and Down buttons at the same time for 5 seconds.  
2. Differential indicator shows on the screen. The initial value is 1°F (0.4°C).
3. Press the Up or Down button to adjust the value
4. After finishing the adjustment, wait 10 seconds until thermostat returns to normal operation.