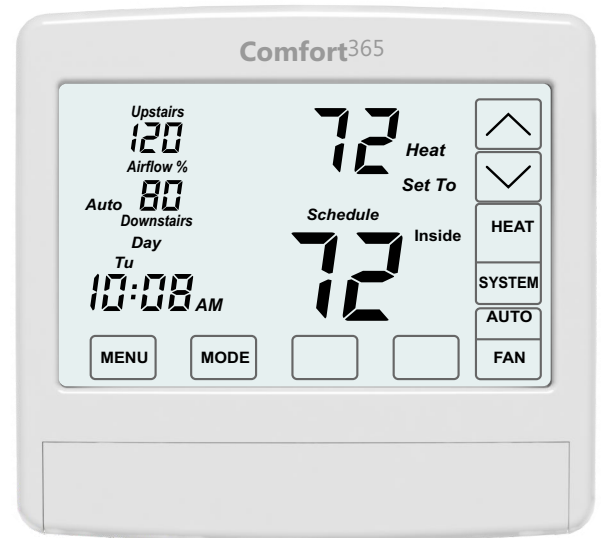


The Comfort365 is a touch screen programmable thermostat that controls heating, cooling and airflow. The thermostat monitors the upstairs temperature sensor and automatically adjusts the upstairs and downstairs airflow to provide uniform comfort.

The energy saving nighttime option uses the upstairs temperature sensor to control heating and cooling calls and increases the upstairs airflow.

The user can manually adjust the airflow on occasions when more airflow is needed upstairs or downstairs.



## User Options and Settings

- Quick Reference
- Installing Batteries
- Set Time and Day
- Set System Mode
- Set Fan Mode
- Set Thermostat Mode
- Changing Setpoint Temperature
- Temperature Override
- Displaying Upstairs Temperature
- Overriding Automatic Airflow
- Terminating Automatic Airflow
- User Options
  - Set Schedule
  - Selecting Manual or Auto Airflow
  - Turning Nighttime Airflow Option On or Off
  - Setting the Nighttime Airflow in Heating
  - Setting the Nighttime Airflow In Cooling
  - Cleaning the Touchscreen

## Quick Reference

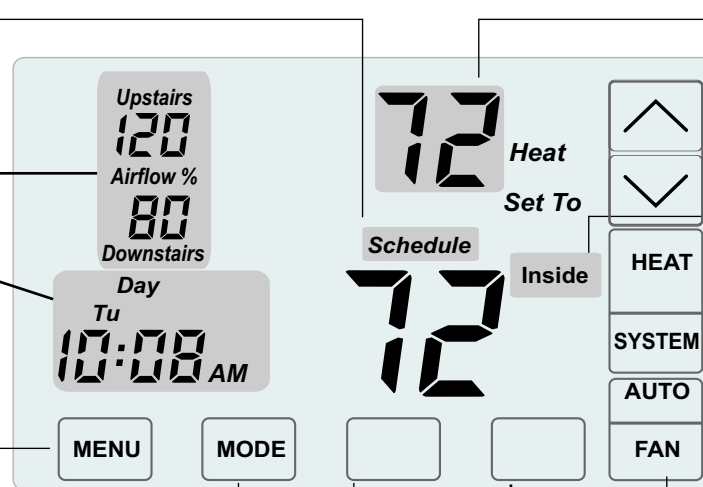
Displays the Thermostat Mode  
HOLD, SCHEDULE or VACANT

Displays the upstairs airflow  
and downstairs airflow.

Displays time, day and schedule  
MORNING, DAYTIME, EVENING  
or NIGHT

**MENU Key**  
Display and Set Schedule  
Set Nighttime Airflow Option On or Off  
Set Nighttime Airflow in Heating  
Set Nighttime Airflow in Cooling  
Clean Touch Screen

**THERMOSTAT MODE Key**  
SCHEDULE  
Setpoint temperature changes at scheduled times  
HOLD  
Setpoint temperatures are set by user, not schedule.  
VACANT  
Setpoint temperatures are kept at the vacant  
temperatures set by the installer.



Displays the heating or cooling  
setpoint temperature

**UP/DOWN Keys.**

Displays the downstairs (Inside)  
or upstairs (Inside2) temperature.

**SYSTEM MODE Key**  
OFF Heating/cooling systems are off.  
HEAT Controls heating system only.  
COOL Controls cooling system only.  
AUTO Controls heating or cooling  
depending on indoor temperature.  
EHEAT Only displayed if Heat Pump..

**FAN MODE Key**  
AUTO Fan runs only when the heating  
or cooling system is on.  
ON Fan is continuously on.

**ENTER Key**  
Used to save options  
and return to thermostat  
operation

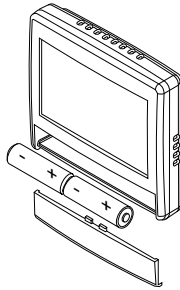
**NEXT Key**  
Used to advance through options

**i** See page 4 in the manual for possible Error Messages.

**i** Press the touchscreen with your fingertip only, using a firm touch. Do not use a sharp object such as a pen or pencil.

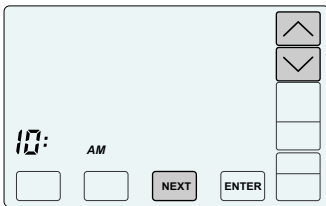
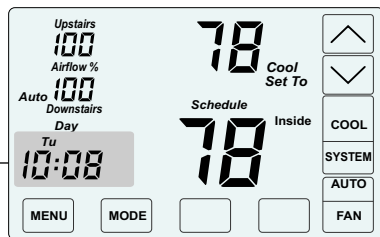
## Installing Two AA Batteries

The batteries power the clock when 24VAC power is lost. Slide the battery cover downward and install the two AA batteries.



## Set Time and Day

Touch here to change the time and day of the week.



### CHANGE THE HOUR

Touch the UP/DOWN keys to change the HOUR. Touch NEXT to save the hour and go to change the minute.



### CHANGE THE MINUTE

Touch the UP/DOWN keys to change the MINUTE. Touch NEXT to save the minute and go to change the day of the week.



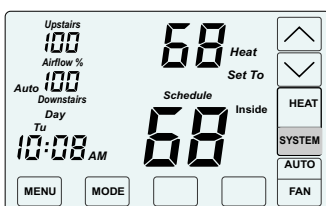
### CHANGE THE DAY OF THE WEEK

Touch the UP/DOWN keys to change the DAY OF THE WEEK.

Touch ENTER to save the day of the week and return to thermostat operation.

## Set System Mode

Touch the SYSTEM key to display the SYSTEM MODES - OFF, HEAT, COOL, or AUTO. When HEAT is selected, the heating setpoint is displayed. When COOL is selected, the cooling setpoint is displayed. In AUTO or OFF, the setpoint for the last system call is displayed.

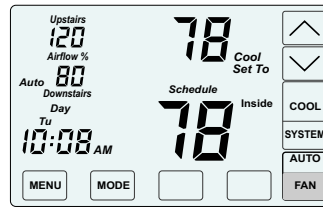


Touch and hold the SYSTEM key to select:

- OFF** Heating and cooling systems are off.
- HEAT** Only heating calls are enabled.
- COOL** Only cooling calls are enabled.
- AUTO** Heating or Cooling calls are enabled.

## Set Fan Mode

Touch the FAN key to display the FAN MODES - AUTO or ON. AUTO is the most commonly used setting.

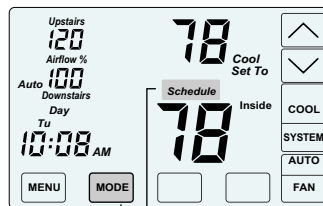


Touch FAN key to select:

- AUTO** Fan is activated only during heating or cooling calls.
- ON** Fan is continuously on.

## Set Thermostat Mode

Touch the MODE key to display the THERMOSTAT MODES - SCHEDULE, HOLD and VACANT.



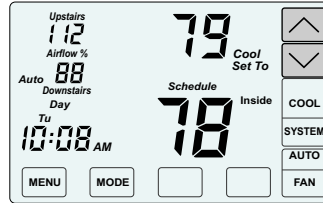
Displays the Mode.

Touch and hold the MODE key to select:

- SCHEDULE** Setpoint temperatures are changed at scheduled times defined by the user.
- HOLD** Setpoint temperatures are set by the user. No schedule is used.
- VACANT** Setpoint temperatures are kept at the vacant temperatures set by the installer.

## Changing the Setpoint Temperature

The UP/DOWN keys are used to change the setpoint temperature.

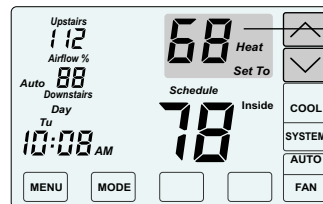


Touch the UP key to raise setpoint temperature.

Touch the DOWN key to lower setpoint temperature.

An active heating call is indicated by HEAT blinking. An active cooling call is indicated by COOL blinking.

To display the opposing system setpoint, touch the area shown below.

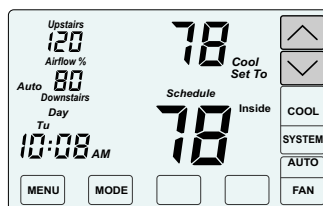


Touch here to display and change the opposing setpoint temperature.

Touch the UP/DOWN keys to change the setpoint temperature for the opposing system. The thermostat will return to displaying the active setpoint after about 30 seconds.

## Temperature Override

If the thermostat is in SCHEDULE MODE, the setpoint temperature can be overridden using the UP/DOWN keys. The setpoint temperature will be held for 3 hours. After 3 hours the thermostat returns to normal operation.

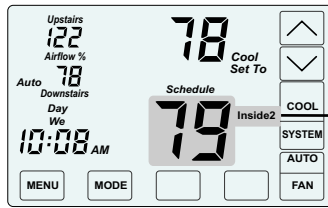


Touch the UP/DOWN keys to adjust the setpoint temperature.

After 3 hours, the thermostat returns to normal thermostat operation.

## Displaying the Upstairs Temperature

The thermostat displays the downstairs temperature and is indicated by INSIDE. The upstairs temperature will be indicated by INSIDE2. In Night Mode, the thermostat displays the upstairs temperature, indicated by INSIDE2.

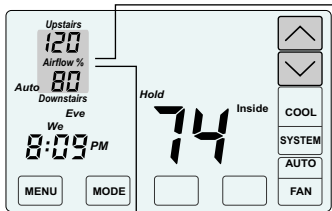


To display the upstairs temperature, touch the INSIDE temperature as indicated. The thermostat will now display the upstairs temperature, indicated by INSIDE2.

After about 30 seconds, the thermostat will return to displaying the downstairs temperature.

## Overriding Automatic Airflow

Override airflow to the upstairs or downstairs. After 3 hours, the thermostat returns to automatic operation. UPSTAIRS, AIRFLOW% and DOWNSTAIRS blink when in airflow override.



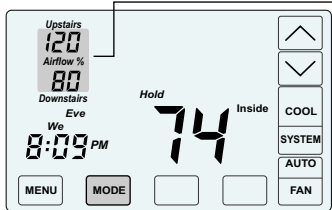
This area will blink when in airflow override.

Touch **AIRFLOW%** as shown.

Touch the **UP** key to increase the upstairs airflow (the downstairs airflow will automatically decrease). Touch the **DOWN** key to increase downstairs airflow (the upstairs airflow will automatically decrease). The override range is defined by the installer during set up.

## Terminating Airflow Override

Terminate AIRFLOW OVERRIDE anytime. The thermostat returns to automatic airflow control. The AIRFLOW % returns to the airflow prior to the override.



Touch **AIRFLOW%** as shown.

Touch the **MODE** key to terminate airflow override.

The thermostat returns to automatic airflow control. The AIRFLOW % returns to the airflow prior to the override.

## User Options

- Set Schedule
- Selecting Manual or Auto Airflow
- Turning Nighttime Airflow Option On or Off
- Setting Nighttime Airflow in Heating
- Setting Nighttime Airflow in Cooling
- Cleaning the Touchscreen

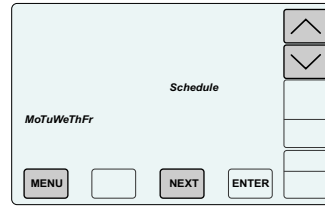
## Factory Set Schedule

The thermostat comes pre-set with an energy-saving schedule for weekdays (Monday-Friday) and weekends (Saturday-Sunday).

Monday through Friday	Time	Heat	Cool
Morn	6:00 AM	70	75
Day	8:00 AM	62	83
Even	6:00 PM	70	75
Nite	10:00 PM	62	78
Saturday and Sunday	Time	Heat	Cool
Morn	6:00 AM	70	75
Day	8:00 AM	62	83
Even	6:00 PM	70	75
Nite	10:00 PM	62	78

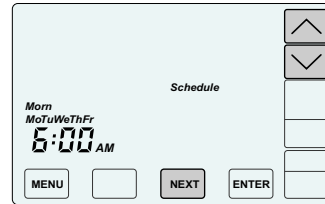
## Change Factory Set Schedule

Touch the **MENU** key to display SCHEDULE. Select either the weekday or weekend schedule to display or change. If no key is touched, the thermostat returns to normal operation after about 30 seconds.



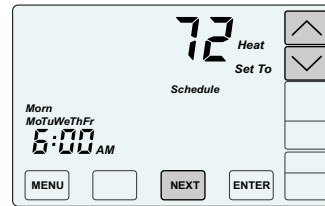
### SELECTING THE WEEKDAY OR WEEKEND SCHEDULE

Touch the **UP** key to select the weekday schedule (MoTuWeThFr) or touch the **DOWN** key to select the weekend schedule (SaSu) and then touch **NEXT**.



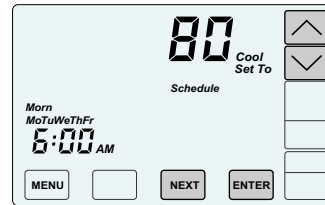
### SETTING THE MORNING SCHEDULE START TIME.

Touch the **UP/DOWN** keys to change the Morning Schedule Start Time and then touch **NEXT**.



### SETTING THE MORNING SCHEDULE HEATING TEMPERATURE.

Touch the **UP/DOWN** keys to change the Morning Schedule Heating Setpoint and then touch **NEXT**.



### SETTING THE MORNING SCHEDULE COOLING TEMPERATURE.

Touch the **UP/DOWN** keys to change Morning Schedule Cooling Setpoint and then touch **NEXT**.

Continue setting the start times, heating setpoints, cooling setpoints for the Day, Evening and Night schedules.

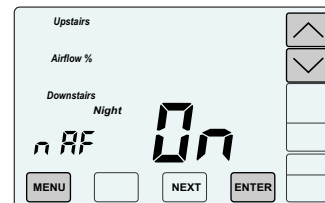
Touch **ENTER** to save the schedules to the weekdays or the weekend.

## Turning Nighttime Airflow Option On or Off

### Factory Set to ON

When bedrooms are located upstairs, the NIGHTTIME AIRFLOW option can be used to save energy. The thermostat uses the upstairs temperature sensor for controlling heating and cooling calls, as if the thermostat has been moved upstairs. The airflow downstairs is reduced and the upstairs airflow is increased.

If master bedroom is located downstairs, it may be desirable to turn the Nighttime Airflow option off.



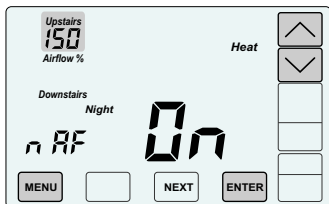
Touch the **MENU** key to display NIGHTTIME AIRFLOW option indicated by nAF On or Off.

Touch the **UP** key to turn the option ON. Touch the **DOWN** key to turn the option OFF.

Touch the **MENU** key to save and go to next option or touch the **ENTER** key to save the options.

## Setting the Nighttime Airflow in Heating

This option enables the user to set the maximum allowable upstairs airflow in heating DURING NIGHTTIME OPERATION, not to exceed the installer set maximum allowable upstairs airflow in heating.



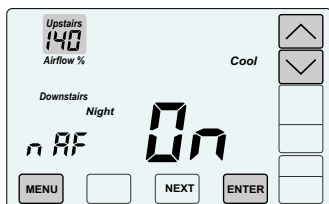
Touch the **MENU** key to display NIGHTTIME, UPSTAIRS AIRFLOW IN HEATING indicated by nAF Heat.

Touch the **UP/DOWN** keys to adjust the airflow.

Touch the **MENU** key to save and go to next option or touch the **ENTER** key to save the option.

## Setting the Nighttime Airflow in Cooling

This option enables the user to set the maximum allowable upstairs airflow in cooling DURING NIGHTTIME OPERATION, not to exceed the installer set maximum allowable upstairs airflow in cooling.



Touch the **MENU** key to display NIGHTTIME, UPSTAIRS AIRFLOW IN COOLING indicated by nAF Cool.

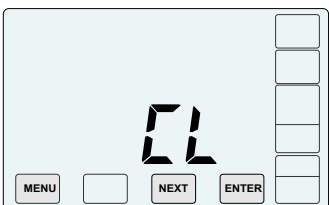
Touch the **UP/DOWN** keys to adjust the airflow.

Touch the **MENU** key to save and go to next option or touch the **ENTER** key to save the options.

## Cleaning the Touch Screen

This option disables the touch screen for 30 seconds to enable the user to clean the touch screen by wiping down with a soft, damp cloth.

Touch the **MENU** key to display the CLEAN DISPLAY option indicated by CL. The timer will count down and return to normal thermostat operation after 30 seconds. The remaining time is displayed on the screen.



Touch the **MENU** key to display CLEAN DISPLAY option indicated by CL.

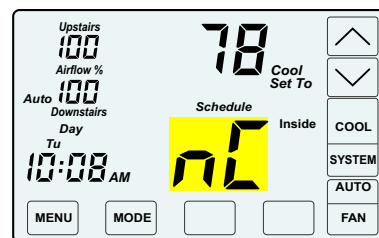
Press **ENTER** to start the 30 second count down. The touch screen is disabled during this time.

Or, press **NEXT** to return to normal thermostat operation

## Error Messages

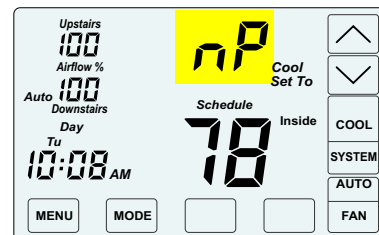
### No Communication

**nC** indicates a loss of communication to the Wiring Hub. **nC** will be displayed briefly after a power outage until communication is restored. If **nC** continues to be displayed, contact your HVAC contractor/builder. Wiring from the thermostat to the Wiring Hub needs to be checked for errors.



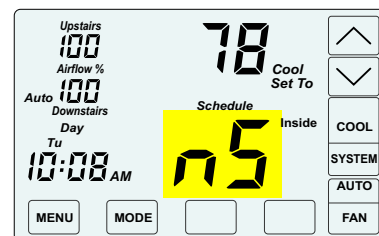
### No Power Message

**nP** is displayed when there is no power to the system. If the message is displayed when there is no interruption in power to the home, contact your HVAC contractor/builder. Wiring from the thermostat to the system needs to be checked for errors.



### Sensor Error Message

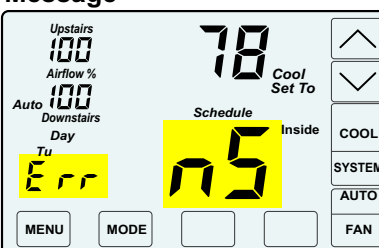
**nS** is displayed when there is an error with the upstairs sensor(s). If the message is displayed, contact your HVAC contractor/builder. The sensor wiring needs to be checked for errors.



When the **nS** message is displayed, the thermostat will continue to control the system but the airflow control will be disabled until the sensor error is corrected.

### Wireless Sensor Error Message

**nS** and **Err 01** and/or **Err 02** will be displayed when there is a loss of communication to the upstairs wireless sensor. Replace the batteries in the sensor, observing the polarity. If the error persists, contact your HVAC contractor/builder.



When the **nS** message is displayed, the thermostat will continue to control the system but the airflow control will be disabled until the sensor error is corrected.



Learn more about your Comfort365 Thermostat by watching the Consumer How-To Video available at [Comfort365USA.com](http://Comfort365USA.com)

## Warranty

This thermostat is warranted to be free of defects due to workmanship or materials under normal use and service for a period of 5 years from date of installation and not longer than 6 years from manufacturing date code.

# eControls

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