TP–NHP01–A, TP–NAC01–A
& TP–NRH01–B
Edge®
Non–Programmable Thermostat

Carrier
turn to the experts

Owner's Manual

edge®

YOU WILL LOVE THIS THERMOSTAT.

You have the Edge® thermostat. This unique device's state-of-the-art technology makes it easier than ever for you to keep your home comfortable. And with an ultra-thin profile and a selection of attractive faceplates, it is easily the most decorator-friendly thermostat available. Designed to be as smart - and smart-looking - as any of the other electronics in your home, your new Edge thermostat offers three different "Touch 'N' Go" comfort settings to fit ***your*** lifestyle - not anybody else's. Let this manual show you how easy it is to enjoy the newest experience in home comfort.

Designed and Assembled in the USA.

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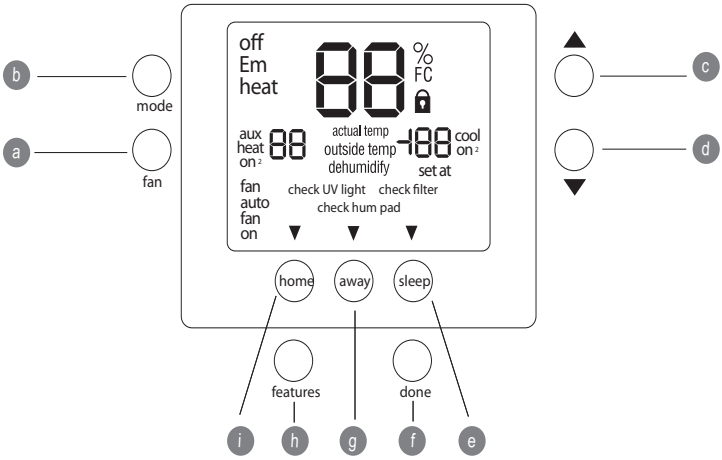
BUTTON IDENTIFICATION



BUTTON IDENTIFICATION

a. FAN Selects whether the fan operates continuously (on) or only when needed for heating or cooling (auto)

b. MODE Selects whether thermostat is set for heating, cooling, emergency heat, auto (heat and cool as needed), or off

c. UP Increases the temperature or adjusts the screen selection up when setting advanced features

d. DOWN Decreases the temperature or adjusts the screen selection down when setting advanced programming features

e. SLEEP Activates heating and cooling settings for the sleep program period

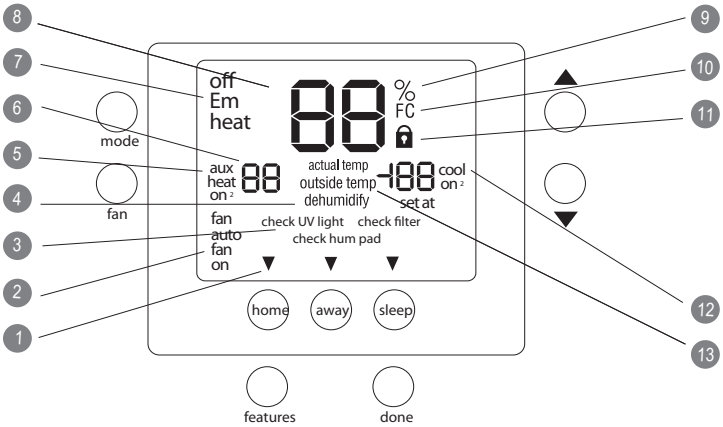
f. DONE Saves settings

g. AWAY Activates heating and cooling settings for the away program period

h. FEATURES Provides access to advanced options

i. HOME Activates heating and cooling settings for the home program period

ON-SCREEN INDICATORS



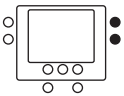
ON-SCREEN INDICATORS

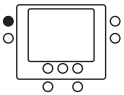
1. Programming option; indicates which settings are being adjusted
2. Fan mode - on or auto
3. Filter, UV lamp, humidifier pad reminders
4. Indicates whether setting humidify or dehumidify preferences
5. System is in auxiliary (supplemental) mode
6. Heating set point
7. Current system mode - heating, cooling, emergency heat, heat/cool (auto), off
8. Current temperature
9. Indicates humidify or dehumidify settings
10. Fahrenheit or Celsius
11. Keypad is locked (no padlock means unlocked)
12. Selected cooling set point; cooling on
13. Outdoor temperature; also displays other information during programming

QUICK START

Setting or changing the temperatures for heating and cooling

Your thermostat is installed with pre-set heating and cooling temperature settings. You can use these or change them so your home is as warm or as cool as you would like it to be. These steps will hold the temperature where you set it until you make another change.



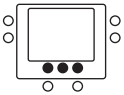


1. Open the door. You will see the word *heat* or *cool* on the screen next to the pre-set temperature, depending on the mode your system is in. (If the thermostat is in "auto" mode, you will see both the heating and cooling set points. If it's the first time you've used the thermostat, the mode will say *heat*.).
2. To change the displayed temperature, press the **up** or **down** button located on the right side until you reach the desired setting.
3. To change the other temperature setting, press the **mode** button on the left. The screen will display the word *cool* or *heat* and the pre-set temperature.
4. Press the **up** or **down** button to change the displayed setting. Stop on the desired setting.
5. Close the door.

QUICK START

Understanding Touch 'N' Go

The unique Touch 'N' Go feature on your thermostat is a revolutionary tool that lets you use a simpler programming option - literally, touch and go - to help you get the maximum comfort control from the entire comfort system.



With the touch of one Touch 'N' Go button - **home**, **away** or **sleep** - you can tell your thermostat where you'll be. It's the ideal solution for somebody who prefers different comfort settings for different times of the day.

The three Touch 'N' Go buttons are preset at the factory for typical heating and cooling temperature settings. You can change these temperature settings easily.

OPERATING THE THERMOSTAT

Using the Touch 'N' Go feature

The Touch 'N' Go feature on your thermostat involves the **home**, **away** and **sleep** buttons immediately under the display. You can either accept the preset temperature settings for when you are home, away or asleep, or set your own Touch 'N' Go heating and cooling temperature settings. And, because these buttons and their comfort settings aren't linked to specific times of the day, you are free to use any button and its settings whenever it suits your lifestyle needs. Just touch the button you want to use when you are away from home, return, or go to sleep. It's easier than manually re-setting the temperature several times a day.

Here are the temperature settings that are pre-set for your **home**, **away** and **sleep** buttons.

Touch 'N' Go Option	Heat	Cool
Home	68	74
Away	60	85
Sleep	66	78

OPERATING THE THERMOSTAT

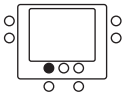
Use this blank grid to determine how warm or cool you want your home to be when you're home, away or asleep.

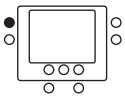
Touch 'N' Go Option	Heat	Cool
Home		
Away		
Sleep		

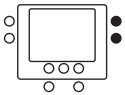
OPERATING THE THERMOSTAT

Setting the home temperature

1. Open the door.
2. Press the **home** button located under the display on the left. You will see a triangle icon (▼) above the **home** button. This icon will always tell you whether you're in the home, away or sleep setting.
3. You will see the heating and cooling temperatures that were set at the factory. To use these, just close the door.
4. To change the heating setting, press the **mode** button on the left until you see the word *heat* on the screen on the left.
5. Press the **up** or **down** button until you reach the desired temperature setting. The arrow pointing to the **home** button will disappear.
6. Press and hold the **home** button for about three seconds. The home arrow will be displayed, indicating that the thermostat has saved your settings.
7. To change the cooling temperature setting, press the **mode** button repeatedly until you see the word *cool* on the screen on the right.



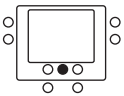




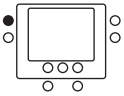
8. Press the **up** or **down** button until you reach the desired temperature setting.
9. Press and hold the **home** button for about three seconds. The home arrow will be displayed, indicating that the thermostat has saved your settings.

OPERATING THE THERMOSTAT

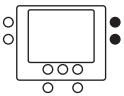
Setting the away temperature



1. Press the **away** button located under the display in the center. You will see a triangle icon (▼) above the **away** button.
2. You will see the heating and cooling temperatures that were set at the factory. To use these, just close the door.
3. To change the heating settings, press the **mode** button until you see the word *heat* on the screen on the left.



4. Press the **up** or **down** button on the right until you reach the desired temperature setting. The arrow pointing to the away button will disappear.
5. Press and hold the **away** button for about three seconds. The away arrow will be displayed, indicating that the thermostat has saved your settings.

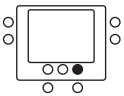


6. To change the cooling temperature setting, press the **mode** button repeatedly until you see the word *cool* on the screen on the right.

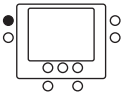
7. Press the **up** or **down** button until you reach the desired temperature setting.
8. Press and hold the **away** button for about three seconds. The away arrow will be displayed, indicating that the thermostat has saved your settings.

OPERATING THE THERMOSTAT

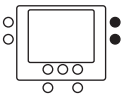
Setting the sleep temperature



1. Press the **sleep** button located under the display in the center. You will see a triangle icon (▼) above the **sleep** button.
2. You will see the heating and cooling temperatures that were set at the factory. To use these, just close the door.
3. To change the heating setting, press the **mode** button until you see the word *heat* on the screen on the left.



4. Press the **up** or **down** button on the right until you reach the desired temperature setting. The arrow pointing to the **away** button will disappear.
5. Press and hold the **sleep** button for about three seconds. The sleep arrow will be displayed, indicating that the thermostat has saved your settings.



6. To change the cooling temperature setting, press the **mode** button repeatedly until you see the word *cool* on the screen on the right.

7. Press the **up** or **down** button until you reach the desired temperature setting.
8. Press and hold the **sleep** button for about three seconds. The sleep arrow will be displayed, indicating that the thermostat has saved your settings.
9. Close the door.

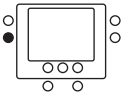
OPERATING THE THERMOSTAT

Using the fan

When the fan is on, it helps distribute air throughout your home for a more even temperature in all spaces. You can set the thermostat so that the fan runs only during your heating and cooling cycles (auto mode) or to run continuously.

The thermostat is set at the factory to run the fan automatically as needed ("auto fan"). Here's how to change the setting so it runs continuously.

1. Open the door.
2. Press the **fan** button on the left. The display message will change from *auto fan* to *fan on*.
3. To return the fan to auto mode, press the **fan** button again. You will see *fan auto* on the display.
4. Close the door.



OPERATING THE THERMOSTAT

Changing the humidity level

Your thermostat offers three humidity options: normal, auto and off. It is set at the factory for "normal humidify," which is a fixed setting based on how much humidity you want in the home. This humidity level remains constant, regardless of the outdoor temperature. You can manually adjust the humidity level according to your own preferences.

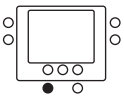
The second option, "auto humidify," uses an outdoor temperature sensor (when installed) to automatically adjust the inside humidity level according to the outside temperature when the thermostat is set for auto humidify.

You can also turn off the humidify/dehumidify feature.

Using normal humidify

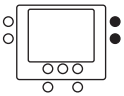
Here's how to change the fixed (constant) humidity setting.

1. Open the door.
2. Press the **features** button twice. The first press will display the outdoor air temperature and the second press will display the humidify settings. The display will include the humidity level and the humidity setting. It is factory-set at 26% for humidify and 60% for dehumidify. If there's too much condensation on the windows, try a lower number. If the air is too dry (perhaps there is too much static electricity), try a higher number. If your home is newer and has quality windows that create a "tight" home, try a higher setting. If your home is older, you might need a lower setting.



* Only homeowners with the TP-PRH model of thermostat will see a "humidify" icon.

3. Press the **up** or **down** button to change the setting. You can set the humidity between 10% and 46%; the dehumidify range is from 46% to 66%.
4. Close the door.

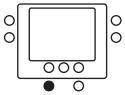


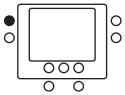
Using auto humidify

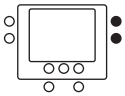
The auto humidify feature automatically adjusts the amount of humidity according to the outside temperature when an outdoor temperature sensor is installed. It can be manually adjusted when there is too much condensation accumulating on windows or the air seems too dry. Here's how to switch to auto humidify and make adjustments.

OPERATING THE THERMOSTAT

1. Open the door.
2. Press the **features** button twice. The first press will display the outdoor air temperature and the second press will display the humidify settings. The display will include the humidity level and the humidity setting.
3. Press the **mode** button until the screen displays *auto* and a *set at* number. (*Auto* indicates you have put the thermostat in auto humidify mode.)
4. Press the **up** or **down** button to change this auto humidify set at number. If there is too much condensation on the windows, select a number lower than 5. If there seems to be a lot of static electricity, which often means the air is too dry, select a number higher than 5. If your home is newer and has quality windows that create a "tight" home, try a higher setting. If your home is older, you might need a lower setting.
5. Close the door.

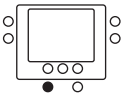






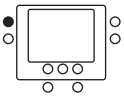
OPERATING THE THERMOSTAT

How to turn off the humidify or dehumidify feature



Here's how to turn off the humidify and/or dehumidify features.

1. Open the door.
2. Press the **features** button twice. The first press will display the outdoor air temperature and the second press will display the humidify settings.
3. Press the **mode** button until the screen says *OF*.
4. Close the door.



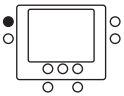
OPERATING THE THERMOSTAT

Using emergency heat (heat pump systems only)

Emergency heat is useful when the automatic auxiliary heat system can't keep up with demand. (Systems with heat pumps use "auxiliary heat" when it's too cold outside for the heat pump to heat the house without help. The display indicator for this is *auxiliary heat on*.)

If the heat pump compressor that works with auxiliary heat fails, or if the heat pump isn't working at all, you can turn on the emergency heat for that extra help. (You'll know there's a problem if the house can't seem to get warm when it's very cold outside.) You want to avoid using emergency heat, though, because it's the most expensive option. And, of course, if you suspect a problem with your heat pump, call your heating and cooling dealer immediately.

Here's how to set your thermostat to use emergency heat.



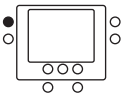
1. Open the door.
2. Press the **mode** button repeatedly until *Em heat* is displayed on the screen.
3. Close the door.

OPERATING THE THERMOSTAT

Using the thermostat to turn the heating and cooling system off

Here's how to use the thermostat to turn the heating and cooling system off.

1. Open the door.
2. Press the **mode** button on the left repeatedly until the display shows off shows in the upper left.
3. Close the door.



ADVANCED OPTIONS

Advanced options display codes chart

You can customize a few thermostat features. This chart shows which features you can change and the codes associated with them. The codes will appear on the display after following the instructions below.

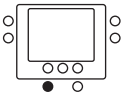
Feature	Configuration Code	Change Indication
reset reminders	01	0 to 100%
Fahrenheit to Celsius	02	F or C
backlighting	03	Off, 1, 2, 3, 4, 5
keypad lockout	04	Off, 1, 2, padlock

ADVANCED OPTIONS

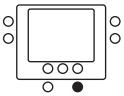
Clearing the reset reminders

The thermostat tells you when it's time to change or service the UV light in the evaporator coil box connected to the furnace (if equipped), humidifier pad (if equipped), and furnace filter. (See page 35 for more information.) When the reminder icons are displayed on the screen, pressing and holding the **done** button for about three seconds clears all reminders on the screen. This might not be the best option when you have multiple reminders but have done only one of the tasks. This option lets you reset the reminders individually..

1. Open the door.
2. Press and hold the **features** button for about three seconds. The screen will display 01 and the three reset reminders, as enabled by your installer. One of the reminders will flash; the display will show the percentage of time used by that reminder item.
3. Press the **features** button to select the reminder you want to clear.



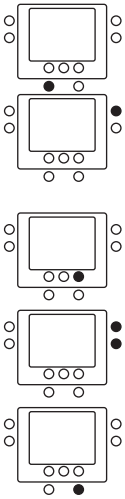
4. Press and hold the **done** button for about three seconds to remove the reminder. The percentage associated with it will go down to zero.
5. Press the **done** button.
6. Close the door.



ADVANCED OPTIONS

Changing from Fahrenheit to Celsius

Your thermostat is preset to display the temperature in degrees Fahrenheit. You can change this to Celsius.

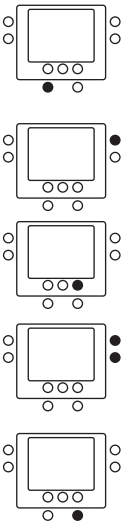


1. Open the door.
2. Press and hold the **features** button for about three seconds. The screen will display 01 and the three reset reminders, as enabled by your installer.
3. Press the **up** button under the configuration number, 01. The number will change to 02 with F (Fahrenheit) next to it.
4. Press the **sleep** button under the F so it flashes.
5. Press the **up** or **down** button on the side to change it to C (Celsius).
6. Press the **done** button.
7. Close the door.

ADVANCED OPTIONS

Adjusting or turning off the continuous backlighting

Your thermostat features a continuous low level backlighting until you press any button, which increases the lighting temporarily. You can adjust the intensity of the backlighting or turn if off completely. Here's how.



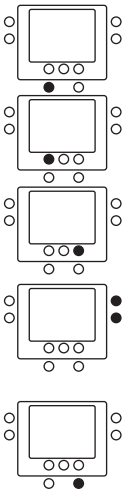
1. Open the door.
2. Press and hold the **features** button for about three seconds. The screen will display *01* and the three reset reminders.
3. Press the **up** button twice to advance from *01* to *03*.
4. Press the **sleep** button under the intensity number (3) so it flashes.
5. To increase the amount of backlighting, press the **up** button. To decrease the amount, press the **down** button. The range is Of to 5 with off being no backlighting and 5 being the brightest backlighting.
6. Press the **done** button.
7. Close the door.

ADVANCED OPTIONS

Keypad lockout

The keypad lockout feature lets you partially “lock” the thermostat so that you can change only the temperature or lock it completely, allowing no changes. Here’s how to lock the keypad on either level.

1. Open the door.
2. Press and hold the **features** button for about three seconds. The screen will display *01* and the three reset reminders.
3. Press the **home** button under the configuration number, *01*, repeatedly until it changes to *04*.
4. Press the **sleep** button under the security setting (*Off*) so it flashes.
5. Press the **up** or **down** button to select *1* - limited access or *2* - total lockout.
6. Press the **done** button.
7. Close the door.

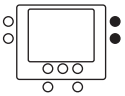


ADVANCED OPTIONS

Unlocking the keypad

Here's how to temporarily unlock the keypad after you have locked it.

1. Open the door.
2. Press and hold the **up** and **down** buttons on the right simultaneously for about five seconds.
3. The *padlock icon* will disappear. This means the keypad is unlocked and can be used. The keypad will revert back to the locked state after you've stopped pushing buttons for two minutes.
4. Close the door.



SPECIAL FEATURES

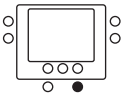
Hybrid Heat (heat pump with a furnace system only)

This thermostat works with the Carrier Hybrid Heat systems offering maximum comfort and economy by automatically controlling whether your system delivers heating with the heat pump, with the furnace, or with both options working together.

Service reminders

The thermostat tells you when it's time to change or service the UV light in the evaporator coil box connected to the furnace (if equipped), humidifier pad (if equipped), and furnace filter. Each reminder - *check UV light, check hum pad, check filter* - will be displayed near the center of the screen. (For important safety reasons, ask your dealer to replace your UV light.)

To remove the reminder after you or your dealer have replaced the indicated product, press and hold the **done** button for about three seconds. (Refer to page 28 for additional details.)



SPECIAL FEATURES

Outdoor temperature display

The thermostat automatically displays the outdoor temperature when you press the features button.

Auto changeover

The thermostat displays one of five modes: *heat*, *cool*, *Em heat* (heat pump version only), *heat cool* (auto mode) and *off*. When the mode selection is for both heating and cooling - auto mode - the thermostat is in auto changeover mode. This allows the system to switch from heating to cooling - or from cooling to heating - to maintain the temperatures you've programmed. It does this automatically.

WHAT IF . . .

"Aux heat on" is displayed (heat pump and Hybrid Heat systems only)

Aux heat on is auxiliary heat. It applies only to the heat pump version. If it is on, you will see *aux heat on*. When it is displayed, it means the system has determined that it's too cold outside for your heat pump to heat the house without help, so it's getting help from the electric heaters. This happens automatically.

"Em heat" is displayed (heat pump and Hybrid Heat systems only)

Em heat is the display term for emergency heat and applies only to the heat pump version. When emergency heat has been turned on, *Em heat* is displayed. You have to turn on emergency heat manually - it doesn't happen automatically - so if you see *Em heat* on the display, it means somebody has turned it on.

There is a power outage

If you lose electricity, you won't have to reprogram the thermostat because your settings are retained in its memory.

WHAT IF . . .

You get a service reminder message

Service reminder messages - *check UV light, check hum pad, check filter* - tell you that it's time to change the UVC lamp in the evaporator coil box connected to the furnace (when installed), humidifier pad (when installed), and furnace filter. Make the indicated changes with the exception of the UV lamp - for important safety reasons, ask your dealer to replace that.

You get a system error message

Here are the possible system error messages and what they mean:

E1 The system isn't communicating properly. Call your heating and cooling dealer for service.

-- The room air temperature sensor has failed. Call your heating and cooling dealer for service.
or
The outdoor temperature sensor isn't working. Call your heating and cooling dealer for service.

E4 There's an internal memory failure. Call your heating and cooling dealer for service.

E5 The humidity sensor isn't working. Call your heating and cooling dealer for service.

COMMON TERMS AND WHERE TO FIND THEM

Auto changeover . . . . . **page 36**

This feature automatically switches your system from heating to cooling – or from cooling to heating – whenever necessary when in auto mode only (heat/cool).

Auxiliary heat (heat pump systems and Hybrid Heat systems only) . **page 25**

Most heat pump systems can't heat a home sufficiently when it gets very cold outside so they use a supplemental heating source called auxiliary heat. The system knows when to use this help and does so automatically. If it's using auxiliary heat, the display will show aux heat on when you press the mode button. You have no control over the auxiliary heat function.

Backlighting . . . . . **page 31**

Backlighting illuminates your display. The backlight is on constantly at a dim level that brightens when you push a button.

Dehumidify . . . . . **page 21**

When your heating and cooling system is used to dehumidify the air and the thermostat is set up to dehumidify, the thermostat will instruct it to remove moisture from the air as necessary when the air conditioning is on.

COMMON TERMS AND WHERE TO FIND THEM

Emergency heat (heat pump systems and Hybrid Heat systems only) . . . . . **page 25**

You can manually set the thermostat to use emergency heat but it is the most expensive option. If it's using emergency heat, the display will show *Em heat* when you press the **mode** button.

Hybrid Heat (heat pump with a furnace system only) . . . . . **page 35**

This Carrier heating and cooling system concept offers maximum comfort and economy. When a Hybrid Heat system is installed, the thermostat automatically controls whether your system delivers heating with the heat pump, with the furnace, or with both options working together.

Humidify . . . . . **page 21**

When your heating and cooling system includes a humidifier, the thermostat will instruct it to add moisture to the air as necessary when the heat is on.

COMMON TERMS AND WHERE TO FIND THEM

Mode . . . . . **page 36**

This term refers to the type of operation your system is performing. The options are heat, cool, emergency heat, auto (heat/cool) and off.

Service reminders . . . . . **page 35**

The thermostat tells you when it's time to change the UVC lamp (if equipped), humidifier pad (if equipped) and furnace filter. (For safety reasons, ask your dealer to replace your UV lamp.).

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