

# UNIWATT™

NON PROGRAMMABLE  
ELECTRONIC THERMOSTAT

UTE202NP SERIES



USER'S GUIDE



UNIWATT is a line of products manufactured by Stelpro. For more information  
please contact customer service.

INSUTE202NP1215

## WARNING



Before installing and operating this product, the owner and/or installer must read, understand and follow these instructions and keep them handy for future reference. If these instructions are not followed, the warranty will be considered null and void and the manufacturer deems no further responsibility for this product. **Moreover, the**

**following instructions must be adhered to in order to avoid personal injuries or property damages, serious injuries and potentially fatal electric shocks.** All electric connections must be made by a qualified electrician, according to the electric and building codes effective in your region. Do NOT connect this product to a supply source other than 120 VAC or 240 VAC, and do not exceed the load limits specified. Protect the heating system with the appropriate circuit breaker or fuse. You must regularly clean dirt accumulations on the thermostat. Do NOT use fluid to clean thermostat air vent. Do not install thermostat in a wet place. However, installing it in isolated walls is allowed.

**Note:** When a part of the product specification must be changed to improve operability or other functions, priority is given to the product specification itself. In such instances, the instruction manual may not entirely match all the functions of the actual product. Therefore, the actual product and packaging, as well as the name and illustration, may differ from the manual. The screen/LCD display shown as an example in this manual may be different from the actual screen/LCD display.

## DESCRIPTION

The UTE202NP electronic thermostat can be used to control electric heating units such as electric baseboards, convectors, or forced-air units. It keeps the temperature of a room at the requested set point with a high degree of accuracy. This product is designed for installations with electrical current - with a resistive load - ranging from 1.25 A to 8.3 A (120/240 VAC). It possesses a user-friendly interface. Furthermore, it gives you the possibility to control the temperature of a room with great precision.

### **THIS THERMOSTAT IS NOT COMPATIBLE WITH THE FOLLOWING INSTALLATIONS:**

- electrical current higher than 8.3 A with a resistive load (2000 W @ 240 VAC and 1000 W @ 120 VAC);
- electrical current lower than 1.25 A with a resistive load (300 W @ 240 VAC and 150 W @ 120 VAC); and
- central heating system.

### **PARTS SUPPLIED:**

- one (1) thermostat with a door on the front;
- two (2) mounting screws;
- two (2) solderless connectors suitable for copper wires.

# INSTALLATION

## SELECTION OF THE THERMOSTAT LOCATION

The thermostat must be mounted to a connection box on a wall facing the heating unit, at around 1.5 m (5 feet) above the floor level, on a section of the wall exempt from pipes or air ducts.

Do not install the thermostat in a location where temperature measurements could be altered. For example:

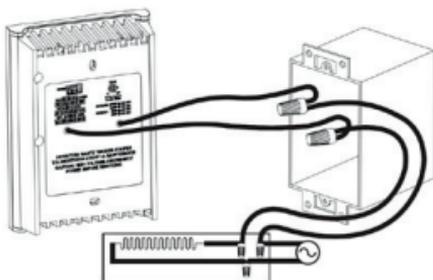
- close to a window, on an external wall, or close to a door leading outside;
- exposed directly to the light or heat of the sun, a lamp, a fireplace or any other heat source;
- close or in front of an air outlet;
- close to concealed ducts or a chimney; and
- in a location with poor air flow (e.g. behind a door), or with frequent air drafts (e.g. head of stairs).

## THERMOSTAT MOUNTING AND CONNECTION

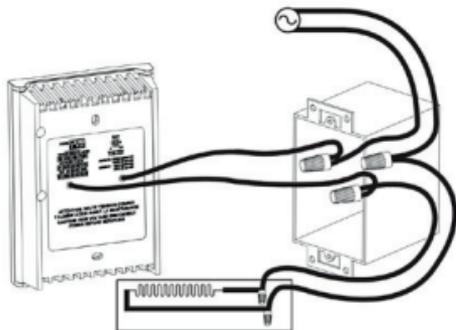
1.  Cut off power supply on lead wires at the electrical panel in order to avoid any risk of electric shock.
2. Ensure that the air vents of the thermostat are clean and clear of any obstruction.

3. Make the electrical connections using the supplied solderless connectors. When making the connection with aluminum wire, make sure that you are using connectors identified CO/ALR. Please note that the thermostat wires do not have polarity. Therefore, the way they are connected is not important.

### 2-WIRE INSTALLATION



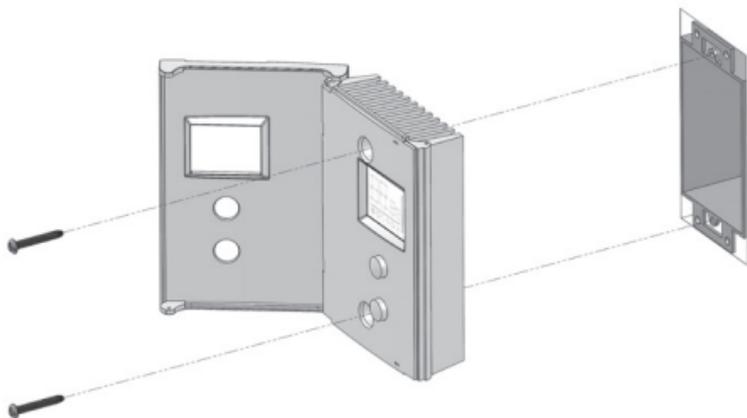
### 4-WIRE INSTALLATION



4. Open the door with your hand or by using a flat screw driver.
  - a. With hand: open by freeing the door at the top right corner of the thermostat.
  - b. Using a flat screw driver: insert the screw driver in the side slot at the top right corner of the thermostat and turn delicately until the door is freed.

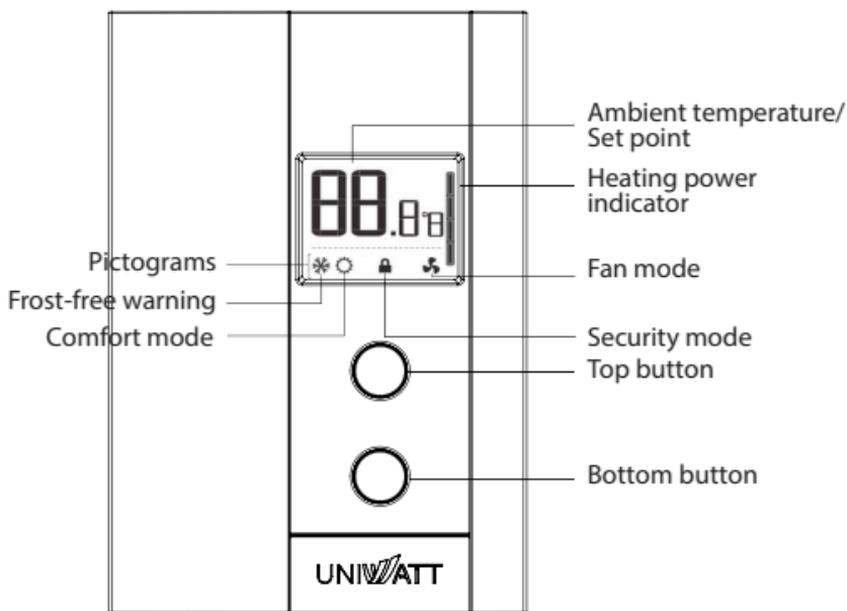


5. Place all the wires inside the electrical box.
6. Fix the thermostat to the electrical box using the two screws provided.



7. Close the thermostat door.
8. Turn on the power.

## OPERATION



### TEMPERATURE SET POINTS

The figures displayed above the pictogram indicate the temperature set point. It can be displayed in degrees Celsius or Fahrenheit (see “Display in degrees Celsius/ Fahrenheit”).

To adjust the set point, just press down the top button to increase the value, or the bottom button to decrease it. Set points can be adjusted by increments of 0.5°C (1°F). To quickly scroll through the set point values, press and hold down the button. The minimum set point is 3°C (37°F), and the maximum set point is 30°C (86°F). When you press a button the current set point is shown and the  flashes. You can turn off the thermostat by lowering the set point below 3°C (37°F). The set point value displayed will be --., and heating system start up will be impossible.

## DISPLAY IN EITHER DEGREES CELSIUS/FAHRENHEIT

The thermostat can display the ambient temperature and the set point in degrees Celsius (standard factory setting) or Fahrenheit.

1. To switch from degrees Celsius to degrees Fahrenheit and vice versa, simultaneously press down the two buttons for 3 seconds. Once the three seconds are over the °C or °F symbol will flash. Release the buttons.
2. Press down the top button to switch from the degrees Celsius to the degrees Fahrenheit, and conversely. The degree Celsius or Fahrenheit symbol will be displayed.
3. When the adjustment is completed, release the buttons and wait for 5 seconds to exit the adjustment function.

## HEATING POWER INDICATOR

The level of power used to maintain the temperature at the set point is expressed as a percentage indicated by the number of bars in the thermometer displayed. The heating power used is displayed as follows:

	4 bars = 75% to 100%
	3 bars = 50% to 75%
	2 bars = 25% to 50%
	1 bar = 1% to 25%
	0 bar = no heat

## FROST-FREE WARNING ❄

The Snowflake icon is displayed when the temperature set point is between 3°C (37°F) and 5°C (41°F). A minimum temperature will be maintained to ensure frost control.

## SECURITY MODE

It is possible to impose a maximum temperature set point by activating this mode. Then, it becomes impossible to exceed this set point, regardless of the current mode (Day/Night). However, it is still possible to lower the set point at your discretion.

### PROCEDURES TO ACTIVATE THE SECURITY MODE

1. To activate the Security option, adjust the set point to the desired maximum temperature.
2. Simultaneously press down the two buttons for more than 13 seconds, until the  icon appears (note that the °C or °F symbol will blink after 3 seconds, but continue to keep both buttons pressed down).
3. Release the buttons. The thermostat is now locked.

### PROCEDURES TO DEACTIVATE THE SECURITY MODE

1. To deactivate the Security mode, start by cutting off the thermostat power at circuit breaker and wait at least 20 seconds.
2. Turn the thermostat power back on and the  icon will blink for a maximum of 5 minutes.
3. Simultaneously press down both buttons for 13 seconds. After 13 seconds, the  icon will disappear and the degrees symbol (°C or °F) will stop blinking, indicating that the Security mode is deactivated. Release the buttons.

## FAN MODE

The activation of the Fan mode is similar to the Celsius/Fahrenheit adjustment.

To activate or deactivate the Fan mode, you must press down both buttons simultaneously for 3 seconds. Once the 3 seconds have passed, the °C or °F symbol will blink. At this point, release the buttons. You must then press down the bottom button to activate or deactivate the Fan mode. The Fan pictogram will turn on or off depending on the case.

When the Fan mode is activated, the stop or minimum heating time (off/on) for a complete 10 minute cycle is established at 90 seconds (factory setting). You can adjust it from 90 to 300 seconds. This is done to limit the amount of times the thermostat will turn on or off. Also, if the thermostat reaches a differential superior or inferior to the 2 degrees requested, it will shut off immediately. The deactivation of the Fan mode will cause the thermostat to go back to the heating cycle previously programmed.

Once the adjustment is finished, you can exit the adjustment mode by not pressing any buttons for 5 seconds.

### VENTILATION INTERVALS DURATION

You can adjust the minimum time between the fan startups and shutdowns. This adjustment is similar to the fan activation procedure. First, you have to enter the fan adjustment mode, as described in the previous section. Then, you must press down the bottom button for 3 seconds, until the  icon blinks. A duration in seconds will appear. You can adjust it from 90 (factory setting) to 300 seconds by increments of 30 seconds. Once the adjustment is done, you can exit the adjustment mode by not pressing down any button during 5 seconds.

### **PARAMETERS SAVING AND POWER FAILURES**

The thermostat saves some parameters in a non-volatile memory to be able to recover them after being shut off (a power failure, for example). These parameters are the set point, the state of the Security mode, the maximum symbol of the Security mode, the Celsius/Fahrenheit symbol, the Fan mode and the number of minutes associated to a heating cycle. These parameters are saved every minute if any changes are made.

The Security mode is reactivated if it was previously activated. However, the icon will blink for 5 minutes, during which it is possible to deactivate the Security mode by pressing down both buttons simultaneously for 13 seconds. If this is not done, the Security mode will remain activated and the icon will stop blinking.

## TROUBLESHOOTING

PROBLEM	DEFECTIVE PART OR PART TO CHECK
The thermostat is hot.	<ul style="list-style-type: none"> <li>In normal operating conditions, the thermostat housing can reach nearly 40°C at maximum load. That is normal and will not affect the effective operation of the thermostat.</li> </ul>
Heating is always on.	<ul style="list-style-type: none"> <li>Check if the thermostat is properly connected. Refer to the installation section.</li> </ul>
Heating does not run even if the thermostat indicates it is on.	<ul style="list-style-type: none"> <li>Check if the thermostat is properly connected. Refer to the installation section.</li> </ul>
The display does not turn on.	<ul style="list-style-type: none"> <li>Check if the thermostat is properly connected. Refer to the installation section.</li> <li>Check the power supply at the electrical panel.</li> <li>Check if the heating unit has a switch. If so, ensure that this switch is turned on.</li> </ul>
The display turns off a few minutes and then turns on again.	<ul style="list-style-type: none"> <li>The thermal protection of the heating unit has opened due to overheating. Check if the heating unit is in good condition of operation and that clearance around the appliance is according to the manufacturer's specifications.</li> </ul>
The display has low contrast when heating is on.	<ul style="list-style-type: none"> <li>The load is lower than the minimum load. Install a heating unit that is within the load limits of the thermostat.</li> </ul>
The displayed ambient temperature is incorrect.	<ul style="list-style-type: none"> <li>Check the presence of an air stream or a heat source near the thermostat, and correct the situation.</li> </ul>
The display indicates E1, E2, E3 and E4.	<ul style="list-style-type: none"> <li>Faulty thermal sensor. Contact the customer service.</li> </ul>
Weak luminosity of the display.	<ul style="list-style-type: none"> <li>Possibility of a bad contact. Check thermostat wirings. Refer to the installation section.</li> </ul>

N.B. If you are unable to solve the problem after having verified these points, please communicate with our customer service. Consult [www.stelpro.com](http://www.stelpro.com) for the phone numbers.

## TECHNICAL SPECIFICATIONS

### SUPPLY VOLTAGE:

120/208/240 VAC, 50/60 Hz

### MINIMUM ELECTRICAL CURRENT

#### WITH A RESISTIVE LOAD:

1.25 A

150 W @ 120 V

260 W @ 208 V

300 W @ 240 V

### MAXIMUM ELECTRICAL CURRENT

#### WITH A RESISTIVE LOAD:

8.3 A

1000 W @ 120 VAC

1730 W @ 208 VAC

2000 W @ 240 VAC

### TEMPERATURE DISPLAY RANGE:

0 °C to 40 °C (32 °F to 99,5 °F)

### TEMPERATURE DISPLAY

#### RESOLUTION:

0.5 °C (0.5 °F)

### TEMPERATURE SET POINT RANGE:

3 °C to 30 °C (37 °F to 86 °F)

### TEMPERATURE SET POINT

#### INCREMENTS:

0.5 °C (1 °F)

### STORAGE TEMPERATURE:

-40 °C to 50 °C (-104 °F to 122 °F)

## LIMITED WARRANTY

This unit has a 2-year warranty. If at any time during this period the unit becomes defective, it must be returned to its place of purchase with the invoice copy, or simply contact our customer service department (with an invoice copy in hand). **In order for the warranty to be valid, the unit must have been installed and used according to instructions.** If the installer or the user modifies the unit, he will be held responsible for any damage resulting from this modification. The warranty is limited to the factory repair or the replacement of the unit, and does not cover the cost of disconnection, transport, and installation.

E-mail: [contact@stelpro.com](mailto:contact@stelpro.com)

Web site: [www.stelpro.com](http://www.stelpro.com)