UNIWATT™

UT202NP NON PROGRAMMABLE
ELECTRONIC THERMOSTAT

OWNER'S MANUAL

THANK YOU FOR YOUR PURCHASE!
QUESTION? PROBLEM? CONTACT STELPRO CUSTOMER SERVICE.

WWW.UNIWATT.CA
CONTACT@STELPRO.COM
1-844-STELPRO

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

INS-UT202NP-0622

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 to 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 UT202NP electronic thermostat can be used to control electric baseboards or convectors. 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);
- fan heaters;
- central heating system.

PARTS SUPPLIED:

- one (1) thermostat with a door on the front;
- two (2) mounting screws;
- two (2) twist-on wire 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:

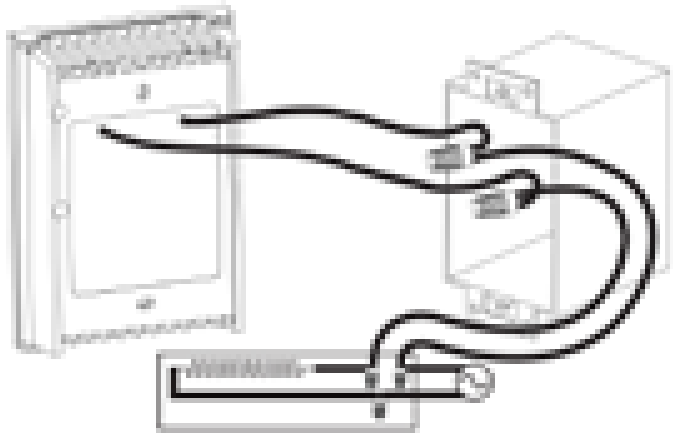
- close to a window, on an external wall, or close to a door leading outside;
- exposed directly to the light or heat of the sun, a lamp, a fireplace or any other heat source;
- close or in front of an air outlet;
- close to concealed ducts or a chimney; and
- in a location with poor air flow (e.g. behind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

THERMOSTAT MOUNTING AND CONNECTION

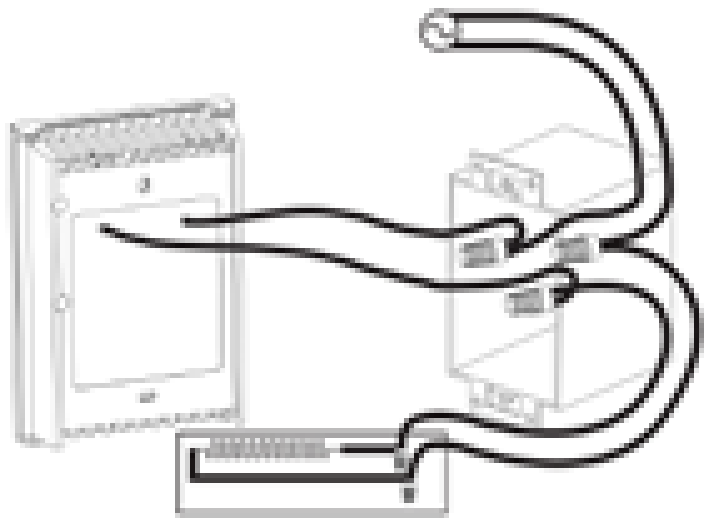
1.  Cut off power supply on lead wires at the electrical panel in order to avoid any risk of electric shock.
2. Ensure that the air vents of the thermostat are clean and clear of any obstruction.

3. Make the electrical connections using the supplied twist-on wire 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



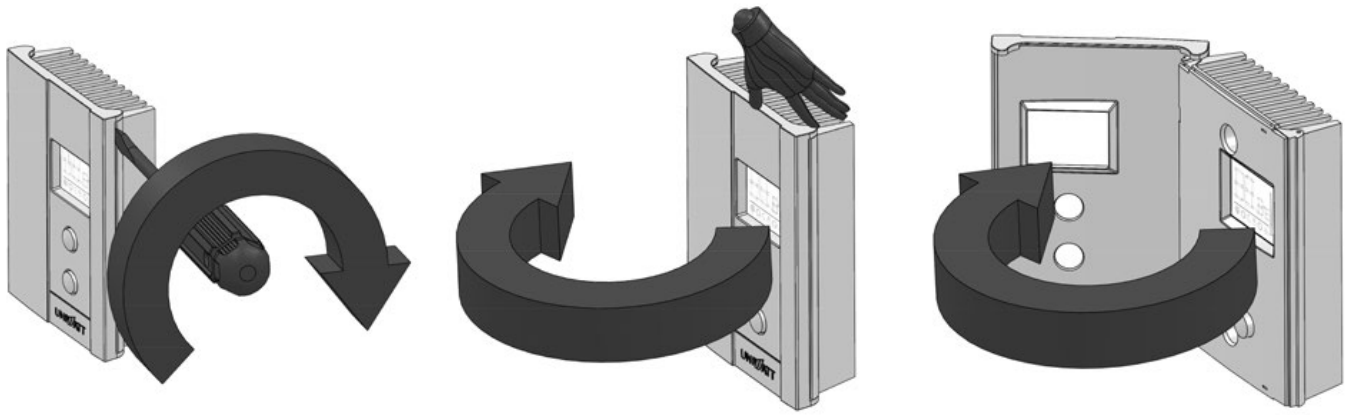
4-WIRE INSTALLATION



4. Open the door with your hand or by using a flat screw driver.

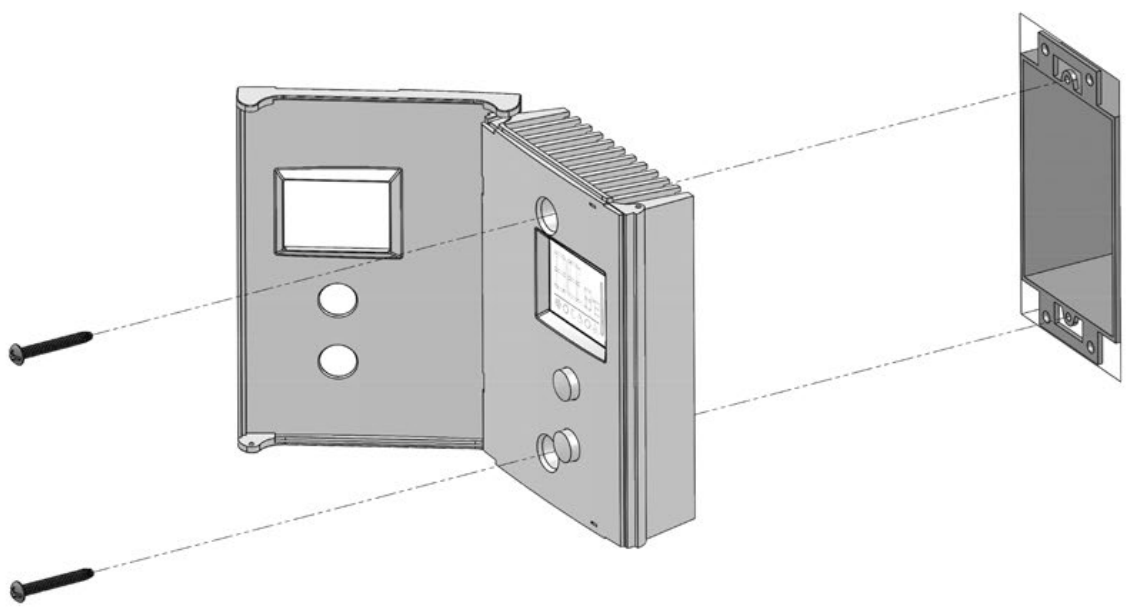
a. With hand: open by freeing the door at the top right corner of the thermostat.

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.

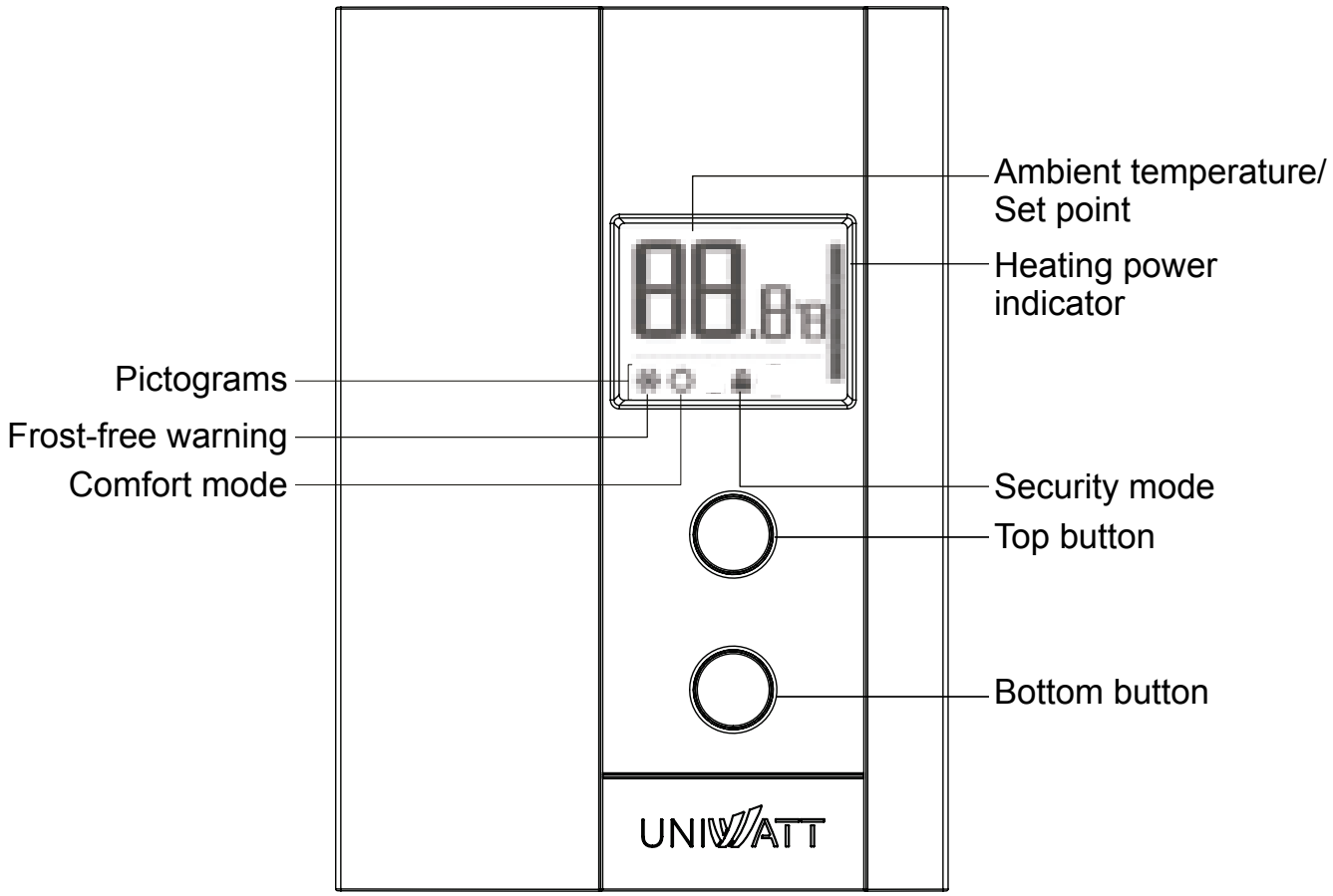
6. Fix the thermostat to the electrical box using the two screws provided.



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.

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 and the Celsius/Fahrenheit symbol. 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.	• In normal operating conditions, the thermostat housing may become hot to the touch. That is normal and will not affect the effective operation of the thermostat.
Heating is always on.	• Check if the thermostat is properly connected. Refer to the installation section.
Heating does not run even if the thermostat indicates it is on.	• Check if the thermostat is properly connected. Refer to the installation section.
The display does not turn on.	• Check if the thermostat is properly connected. Refer to the installation section. • Check the power supply at the electrical panel. • Check if the heating unit has a switch. If so, ensure that this switch is turned on.
The display turns off a few minutes and then turns on again.	• 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.
The display has low contrast when heating is on.	• The load is lower than the minimum load. Install a heating unit that is within the load limits of the thermostat.
The displayed ambient temperature is incorrect.	• Check the presence of an air stream or a heat source near the thermostat, and correct the situation.
The display indicates E1, E2 or E4.	• Faulty thermal sensor. Contact the customer service.
The display indicates E3	• Defective part or needs verification. • Potential overheating of the thermostat. Check if the installed load respects the maximum load. If that is the case, contact customer service.
Weak luminosity of the display.	• Possibility of a bad contact. Check thermostat wirings. Refer to the installation section.

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** for the phone numbers.

TECHNICAL SPECIFICATIONS

VOLTAGE AND LOAD			
PRODUCT CODE	SUPPLY VOLTAGE	LOAD AT 120 V	LOAD AT 240 V
	VOLTS	WATTS	WATTS
UT202NP	120-240	150-1000	300-2000

Load control type	Resistive
Frequency	60 Hz
Storage temperature	-40 °C to 50 °C (-40 °F to 122 °F)
Operating temperature	-20 °C to 50 °C (-4 °F to 122 °F). LC display less effective below 0 °C (32 °F)
Humidity	5 % to 98 % without condensation
Action	Type 1.Y
Pollution degree	2
Software	Class A
Rated impulse voltage	Category II (1500 V)
Independently mounted control for surface mounting	
Thermistor used as a sensor, carries no load current	
Overload protection device external to the control: circuit breaker (refer to local electrical code)	

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.