

# NPTR5100 Thermostat Instructions

## Buttons and LCD display

Buttons	Press < 5 seconds	Press > 5 seconds
	Turning on/off thermostat	
		Menu button
	Confirm settings	Set the time
	Increase the set value	
	Decrease the set value	View floor temperature (AF model only)
		Lock /unlock buttons
		Reset to factory settings (when thermostat is turned off)



Symbol	Description
Set At	Set temperature
	The buttons are locked.
	Displays when heating is active

## Configure the menu

Press and hold button for 5 seconds. Now you can see Menu 01, to proceed to other menu, press button again. To exit menu, press button

Menu #	Feature Description	Factory Default Feature Value	Press  or  to select
01	Sensor selection. This thermostat is a combination model allowing you to choose between 3 different models. (A, AF, F) A model: air only, with built in sensor AF model: air & floor, with both built in and remote sensor F model: floor only, with remote sensor	A	A / AF / F
02	Select temperature format °C or °F.	°C	°C / °F
03	Calibrate the room temperature. This feature is used to compensate for any difference between the displayed room temperature and a thermometer.	0°C	-5°C ~ +5°C
04	Calibrate the floor temperature. This feature is used to compensate for any difference between the displayed floor temperature and a thermometer.	0°C	-5°C ~ +5°C
05	Set the floor temperature limit. This feature is to protect the floor surface.	40 °C	20°C ~ 40 °C
06	Switching differential. The numbers of degree difference before switching. The default is 1°C which means the thermostat will switch the heating on 0.5°C below the set temperature and will turn it off 0.5°C above the set temperature. With a 2°C differential, the heating will switch on 1°C below the set temperature and will switch off 1°C above the set temperature.	1°C	1°C ~ 5°C

## Set the Time

- 1) Press and hold button until the time flashes
- 2) Use button or to change the time
- 3) Press button to accept and exit

## Setting temperature

Press or once, you will see set temperature flashing. Use or again to adjust to the temperature you want your room to maintain. Press button to accept and exit.

## Resetting factory defaults

Your thermostat has the ability to reset all settings to the factory defaults. If you are certain you want to do this:  
In standby mode (when thermostat is turned off), press and hold button and for 5 seconds until RES is shown on LCD.

## Installation and Wiring

Carefully separate the front half of the thermostat from the back plate by placing a small flat head terminal driver into the slots on the bottom face of the thermostat. Carefully unplug the ribbon connector which is plugged in to the front half of the thermostat. Place the thermostat front half somewhere safe. Terminate the diagrams below. Screw the thermostat back plate on to the back box. Re-connect the thermostat ribbon cable and clip the two halves together.

