NPTR5100 Thermostat Instructions   Ver.1.1

Buttons and LCD display

Buttons	Press < 5 seconds	Press > 5 seconds
(P)	Turning on/off thermostat	
(M)		Menu button
(✓)	Confirm settings	Set the time
(△)	Increase the set value	
(▽)	Decrease the set value	View floor temperature (AF model only)
(△) + (▽)		Lock /unlock buttons
(M) + (✓)		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 (M) for 5 seconds. Now you can see Menu 01, to proceed to other menu, press button (M) 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
07	Set the backlight time	15 seconds	15 seconds, OFF(no backlight)

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 (M) 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.

6	5	4	3	2	1
L	N	N	L	Floor Probe	

AC230V

Max load: 16A Resistive