

TN112 Thermostat for Fan coil

Instruction Manual

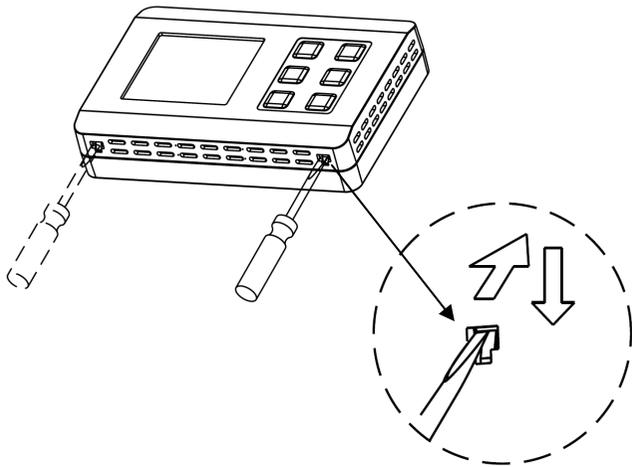
TRANSMITTER INSTALLATION

Installation Location

The thermostat should be mounted on an inner wall ~1.5m above the floor in a position where it is readily affected by changes of the general room temperature with freely circulating air.

Opening the Cover

- i. Open the thermostat at bottom side by a flat screw driver
- ii. Insert a flat screw driver into upper part of two lock holes
- iii. Push gently with an up angle following by a downward force, the back cover lock snaps to detach from the hole.
- iv. Unplug the 10 pins connector between the top and the base housing.



Open the thermostat at bottom side by a flat screw driver.

Precautions



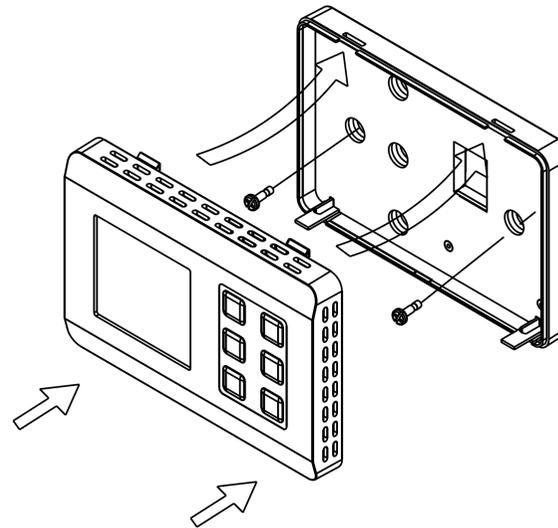
Do not try to open the housing by tool at Top side, it will damage the tabs!

Mounting

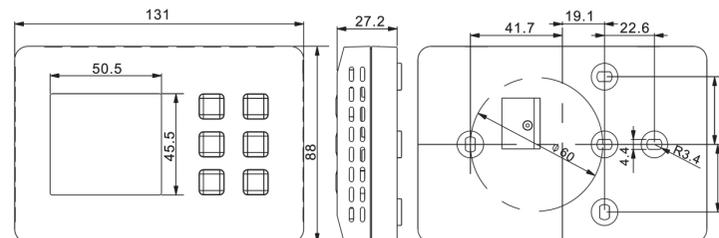
Fix the base housing by screws as shown

Plug in 10 pins connector to the socket at base housing, push the connected wire to left side.

Align the Top housing hooks to the base housing at top side and then put the bottom side of Top Housing to engage at base housing locks.



Dimension in mm



INSTALLATION

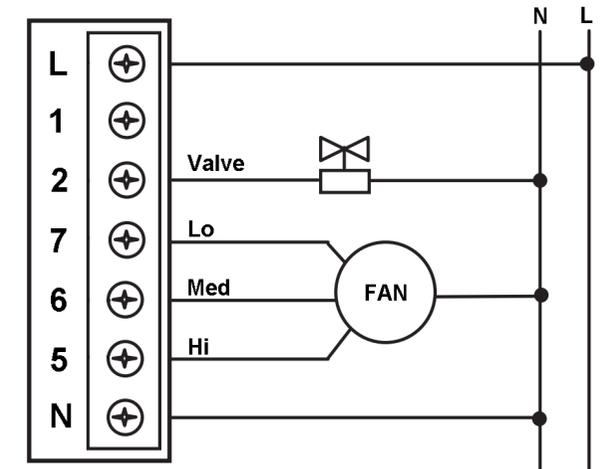
There are 5 wiring terminals: L,N and 1,2,5,6,7. "L" and "N" is input power and connect to 230Vac. Connect "1" and "2" to a heater/cooler. Connect "5", "6", "7" to a three speed fan. Push all cables back into the wall prior to fixing to avoid trapping wires. Do not use any metal conduit or cable provided with a metal sheath. Recommend adding fuse or protective device in the live circuit.

Caution : Turn off the power and electrical devices before wiring.

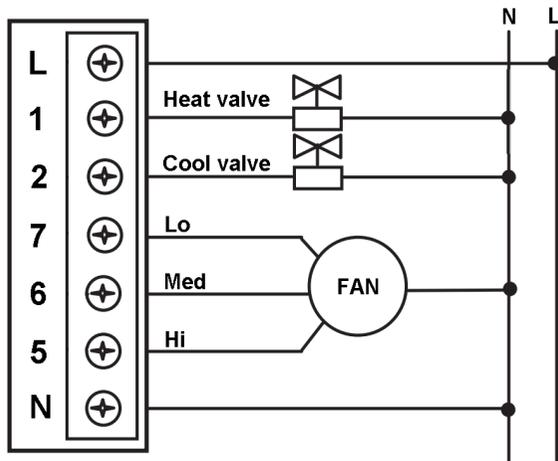
Electrical interface

Symbols	Terminals
L	230Vac Live input
N	230Vac Neutral input
1	Heat output (2A max.) for 4pipes
2	Cool output (2A max.) for 4pipes / Heat or Cool output for 2pipes
7	Fan low output (2A max.)
6	Fan medium output (2A max.)
5	Fan high output (2A max.)

2 Pipes wiring diagram



4 Pipes wiring diagram



Keys	Function
<▲>	Up
<▼>	Down
<⚙️>	Heat/ Cool mode
<🌀>	Fan selection
<↵>	Enter
<🔌>	On/Off

Operation Mode

Turn On thermostat- At blank screen, Press and hold <🔌> key for 3 second to turn on the thermostat, Display the setting temperature, operating mode, fan mode, fan speed.

Turn Off thermostat - At normal mode, Press and hold <🔌> key for 3 second, to turn off the thermostat, The display will be blank and all outputs are turn off.

System Setting

Press <⚙️> key to select Heat/Cool mode.

Fan Setting

Press <🌀> key at normal mode can select Fan mode. The fan selection is Auto→Low→Medium→High→Auto.

Temperature Setting

Heat /Cool setting temperature can be adjusted at temperature setting mode.

1. Pressing <▲> or <▼> keys to adjust heat/cool setting temperature in normal display mode.
2. Heat / cool setting temperature display on the screen.
3. The operation will resume to normal display mode after no key is pressed for 10 seconds.
4. At Heat mode, only heat setting temperature can be adjusted.
5. At Cool mode, only cool setting temperature can be adjusted.

Function Setting Menu

The options for each mode type can be adjusted in Function Setting Menu.

1. Press and hold <⚙️> and <▲> Key.
2. LCD changes to Function Setting display.
3. Specification
4. The letters on the top represent the function type. The 2 digits on the right show the current setting.
5. Press <▲> or <▼> key to adjust the setting.
6. Press <↵> key to set next function type or end of function setting return to normal display mode.

Function type		Setting
dU	Display Unit	°C [default]
	Temperature	°F
PIPE	Pipe Type	2 (2 pipes mode) [default]
		4 (4 pipes mode)
SPAN	Span	0.5°C / 1°F [default]
		1°C / 2°F
		1.5°C / 3°F

Specification

Relay Contact Voltage:	230Vac
Relay Contact Current:	2A Max. (resistive)
Sensing Element:	NTC thermistor
Terminals:	2 sq. mm Cable
Operating Temperature:	32 – 122 °F / 0 – 50 °C
Storage Temperature:	23 – 122 °F / -5 – 50 °C
Operating Humidity:	5-95%RH non-condensing