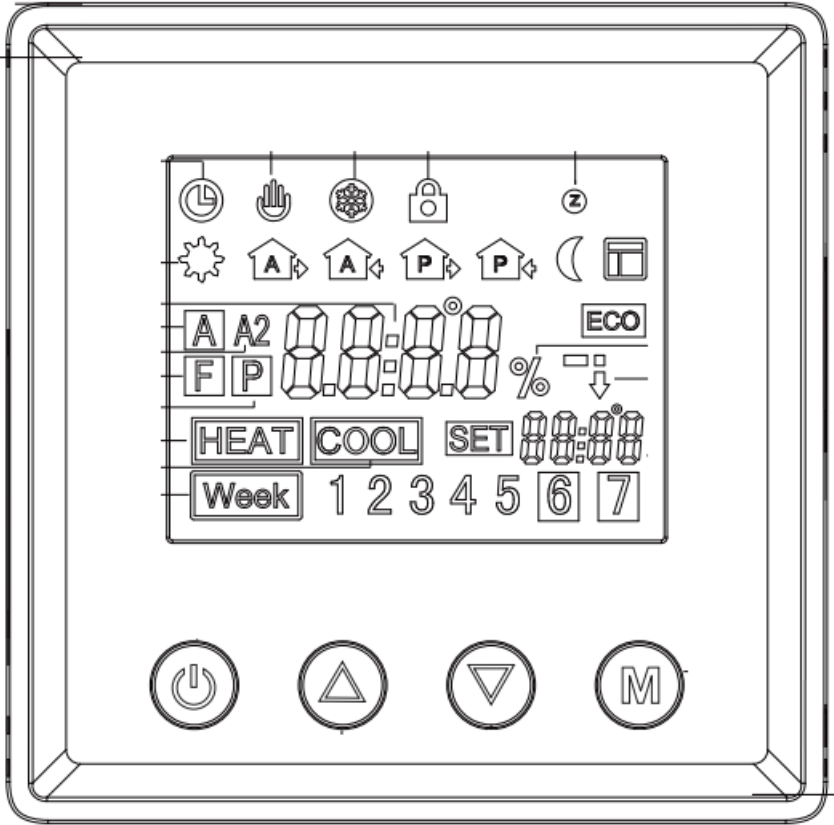


# namron Zigbee Thermostat 16A Instruction Manual

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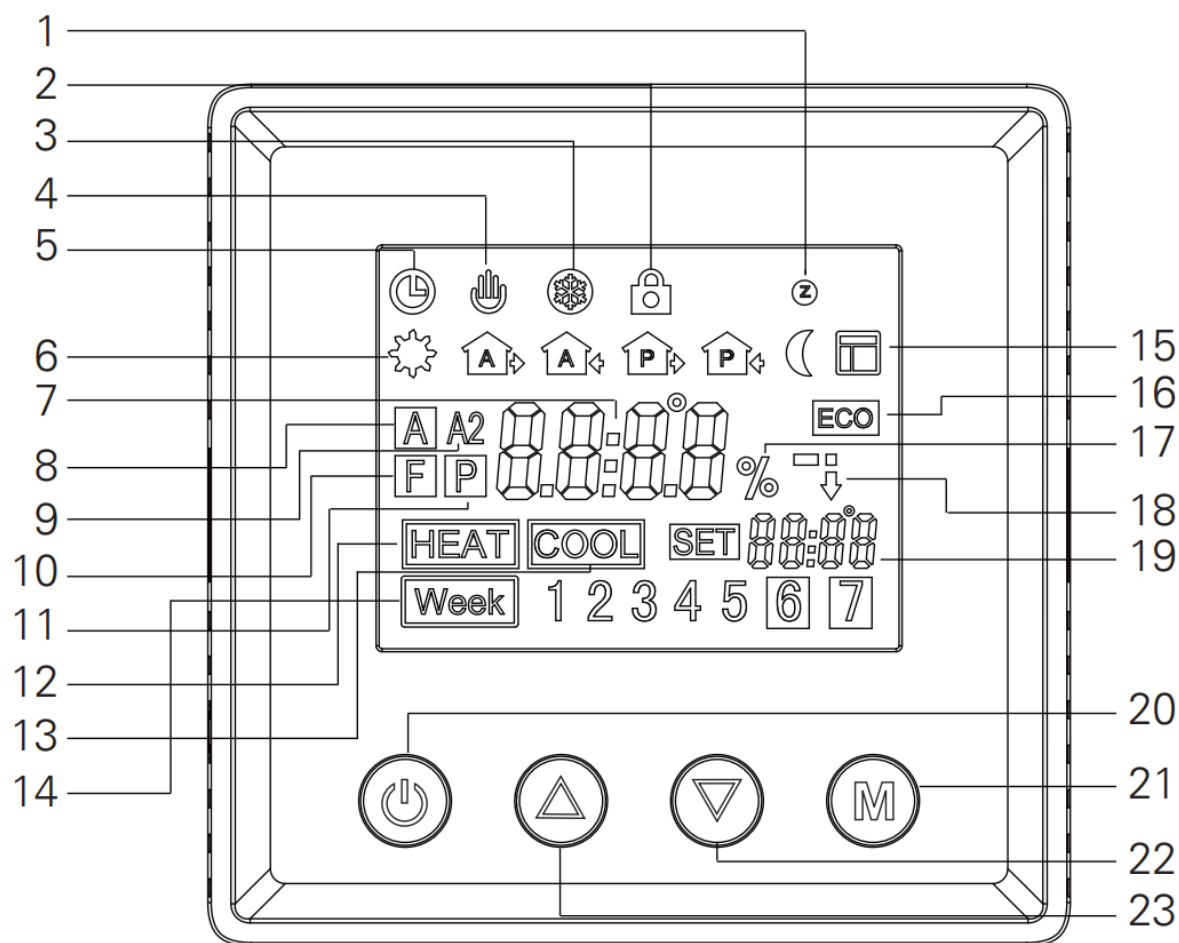
namron Zigbee Thermostat 16A



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## Symbol overview



1. Zigbee Networking icon
2. Children Lock
3. Frost Protection
4. Manual Mode
5. Program Mode
6. Period Program
7. Temperature/Time
8. Internal room temperature
9. External room temperature
10. Floor Temperature

11. Regulator mode
12. Heating mode
13. Cooling mode
14. Week Days
15. Open Window Detected
16. ECO mode
17. Percentage
18. Heating/cooling dynamic ICONS
19. Targeted temperature
20. ON/OFF Button
21. Button "M"
22. Button "down"
23. Button "up"

## Installation

The thermostat is applied to full load in areas with the altitude of less than 2500m above sea level. Power rating of external load should be less than or equal to 80% rated power of the thermostat in areas with altitude of 2500m to 4200m.

## WARNING

- a. Installation must be carried by a qualified electrician.
  - b. Before installation, please check whether it conforms to local electric standards.
  - c. Power supply must be turn off when install and clean the thermostat.
- Wipe the surface dust or dirt with soft cloth or tissue, do not use the detergent or other corrosive chemical solution.

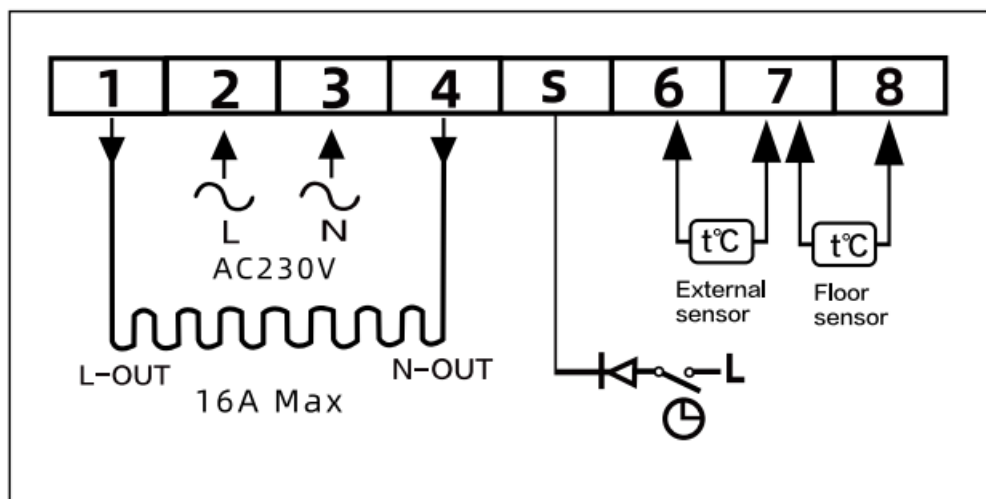
Please match with the standard wall box to ensure the installation.

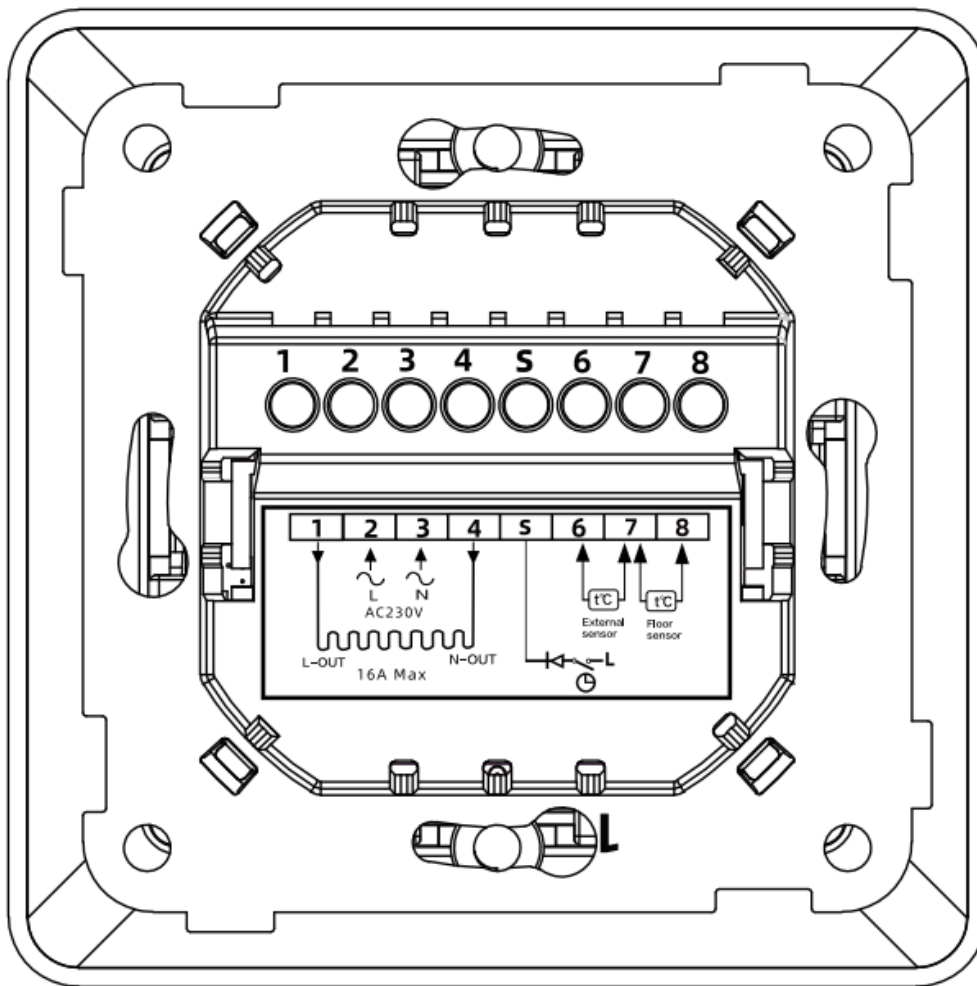
Do not connect the L&N, LO&NO reversely.

Please place and protect the cover properly when it's in installation to avoid the damage.

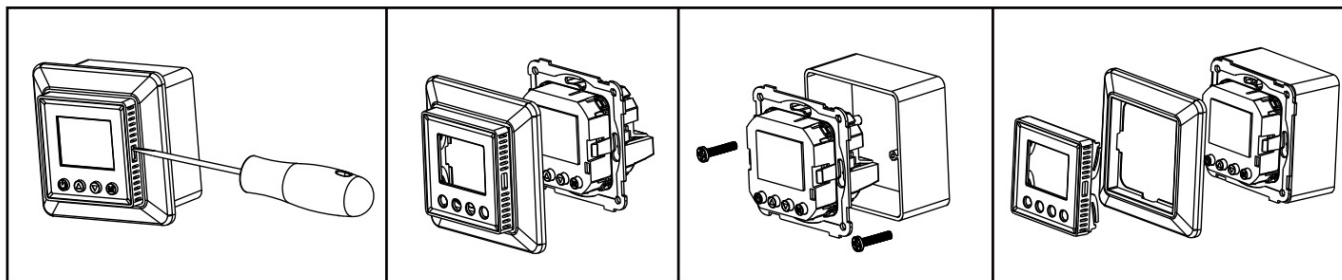
When connected to AC230V, the surface cover must be installed. Thermostat is not the SELV product, all the voltage part should be regarded as 230V.

## Wiring Diagram





## Mounting









## Technical Data

Input	230VAC+/-10%, 50/60Hz
Max. Pre- fuse	16A
Built-in Switch	1 Pole, 16A
Relay contact	Max 16A 250VAC
Output relay	16A, SPST-NO











Floor sensor type / External room sensor	<p>The thermostat can be configured as any of the following floor sensor: 3m, NTC, R25=10KQ±1%@25°C, B25/50=3950K±1 % (default)</p> <p>3m, NTC, R25=12KQ±2%@25°C, B25/85=3740K±2% (support)</p> <p>3m, NTC, R25=15KQ±2%@25°C, B25/85=3740K±2% (support)</p> <p>3m, NTC, R25=22KQ±2%@25°C, B25/85=3740K±2% (support)</p> <p>3m, NTC, R25=33KQ±2%@25°C, B25/85=4090K±1.5% (support)</p> <p>3m, NTC, R25=47KQ±2%@25°C, B25/85=4090K±1.5% (support)</p>
Build-In sensor	NTC, R25=10KQ±1%@25°C, B25/50=3950K±1%
Network function:	Standard ZigBee 3.0 protocol.
Wiring Requirements	Current≤13A-1.5mm <sup>2</sup> , solid core wire, HO7V-R wire Current>13A to 16A-2.5mm <sup>2</sup> , solid core wire, HO7V-R wire
Control object	Floor Heating
Method of mounting	Wall mounted
Control function	<p>The thermostat has a build-in sensor and supplied with an floor sensor. Also the thermostat can be connected with an external room sensor. The thermostat can be set for the following functions:</p> <ul style="list-style-type: none"> <li>• Room temperature control Floor temperature control</li> <li>• External room temperature control</li> <li>• Floor sensor as an external limit sensor for internal room</li> <li>• temperature control Floor sensor as an external limit sensor for</li> <li>• external room temperature control</li> </ul> <p>Maximum and minimum limitation temperatures can be set</p>
Control mode	①Manual Mode ②Weekly Program mode ③Regulator
Frost Protection	Default 5°C to start frost protection, 5~10°C controllable. Can be switched on/off manually
Ambient temperature	10°C/+60°C
External limitation	5~60°C (Default 27°C)
Switch deviation	0.5~10°C adjustable (±1°C)
Protection level	IP20
Material of casing	PC Fire-rated

## Normal operation guidance



1. Short press the  ON/OFF key to ON/OFF the backlight on the thermostat display. When it shows , means that backlight is ON, shows , means OFF.
2. Long press the  ON/OFF button 3s to ON/OFF the Thermostat
3. Under manual control or programmed control mode, short press button “M”- to have mode change.
4. During the heating(not in regulator P mode), long press” M”2s to switch  to  mode.
5. During the normal mode(Not P mode), short press ”▲”or” ▼”to adjust the current temperature.
6. During the Programmed mode, short press”▲” or ”▼”to adjust the contemporary time setting temperature which enter the temporary control mode.
7. In regulator P mode, short press“▲” or“▼ !”to adjust the heating percentage of the current mode, short press “M” to confirm the setting.
8. Under main screen at any mode press hold the “M” and“ ▲ ”3s at same time to enter the date/time setting. .
9. Under main screen at any mode press hold the “M” and“▼” 3s at same time to open/close child lock.

## Advanced setting;

Long press button “M” for 5seconds at any control mode

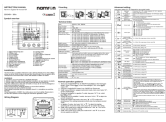
Code Shown		Meaning of code	Short press“▲” or“▼” to select, long press “M” for 1 second to confirm, short press “M” to exit
1		Air Temperature calibration	Check the Air temperature and calibration: -10~10°C (factory setting 0°C )
2		Floor Temperature calibration	Check the floor temperature and calibration: -10~10°C (factory setting 0°C )
3		External room temperature calibration	Measure and correct the temperature of the external room: -10~10°C (factory0°C)
4		Sensor mode	 A:Built-in sensor  F :Floor sensor (factory default)  AF :Internal temperature control, floor temperature limit  A2 :External room sensor  A2F :External room temperature control, floor temperature limit  P :Controller heating percentage

5	SEn	Sensor types	10K: NTC_ 10K factory default 12K: NTC_ 12K 15K: NTC_ 15K 22K: NTC_ 22K 33K: NTC_ 33K 47K: NTC 47K
6	br 1	display backlight brightness in working status	10~ 100%, 10% incensement, factory reset 100%
7	br 2	display backlight brightness in standby status	10~ 100%, 10% incensement, factory reset 10%
8	FLt	Floor Limited temp.	5 – 60°C, factory setting 27°C
9	d, F	On/Off differential	0.5-10°C, factory setting +1°C
10	Pr 6	Weekly program setting	Pr 6 1 12345/67: 5/2 (Flashing alternately) Pr 6 2 123456/7: 6/1(Flashing alternately) Pr 6 3 1234567: 7/0 (Flashing)No rest Pr 6 4 1234567 All show up: All rest
11	LtP	Frost Protection	OFF Off: Frost protection off(default) When on: 5-10°C
12	rE6t	Regulator	OFF Off: Turn regulator off 1-30min settable heating schedule time. In total have 30 schedules can be set. (default 30min)
13	AdAP	Self- Adjust	Off: Self adaption function Off On: Self adaption function on (factory default OFF)
14	ALo	Lower limit of air sensor temperature	0.5~38°C (factory setting 5°C)
15	AH,	Upper limit of Air sensor temperature	2.5~40°C (factory setting 40°C)
16	FLo	Lower limit of Floor sensor temperature	0.5~38°C (factory setting 5°C)
17	FH,	Upper limit of Floor sensor temperature	2.5~40°C (factory setting 40°C)

18	<b>ELo</b>	Lower limit of external room sensor temperature	0.5~38°C (factory setting 5°C)
19	<b>EH</b>	Upper limit of external room sensor temperature	2.5~40°C (factory setting 40°C)
20	<b>nEt</b>	Activate Zigbee in-network/off-network mode	<p>Zigbee Inclusion: Make sure the device does not belong to any network. Enter advance setting find option and long press button M for 2s ready for inclusion, meanwhile set your Zigbee controller in inclusion mode.</p> <p>When the display shows ...a. the device is in inclusion status. The display will shows <b>nE</b> as well as Zigbee logo  is on means the inclusion is successful. <b>Err</b> will be showed when inclusion is failed.</p> <p>*For Homey inclusion please double press button "M" then it can be included. Zigbee exclusion: Enter advance setting, find option and long press button M for 2s ready for exclusion, meanwhile set your Zigbee controller in exclusion mode. When the display shows ..., means the device is in exclusion status. The display will shows <b>EEL</b> and the Zigbee logo  is off means the exclusion is successful. <b>Err</b> will be showed when exclusion is failed.</p> <p>*For Homey exclusion please double press button "M" then it can be Excluded.</p>
21	<b>ynod</b>	Operating mode Working mode	<b>COOL</b> COOL: Cooling mode <b>HEAT</b> HEAT: Heating mode (factory default)
22	<b>dAtE</b>	Date display mode	DDMM: Day day/month (factory setting) MMDD: Month month/day day
23	<b>ydo</b>	Open window function	<b>OFF</b> Disable the open window function <b>ON</b> Enable the open window function (Factory Default)
24	<b>FAC</b>	Factory Reset	In the <b>--</b> option, long press "M" 5s to go back to factory reset.
25	<b>ESC</b>	Exit advanced settings	Short press "M" to confirm and exit

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## Documents / Resources

	<a href="#">namron Zigbee Termostat 16A</a> [pdf] Instruction Manual Zigbee Termostat 16A, Zigbee, Termostat 16A, 16A
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