

NovaTherm ECLIPSE Digital Smart WIFI Thermostat Manual



User Manual

Many thanks for your selection of our products and services, and also for your trust and support to us.



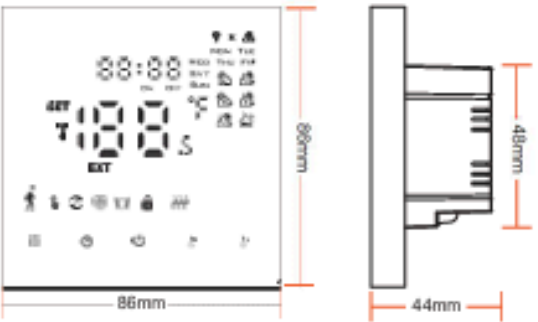
Features

- (A)Including built-in sensor and external sensor
- (B)0.5°C accuracy keeps temperature within the level you set.
- (C)Children lock to prevent misoperation by children
- (D)Data memory when power is off.
- (E)Holiday mode make you enjoy more comfortable temperature in holiday
- (F)The temperature of external sensor can be checked

Product Specifications

Power : 90-240Vac 50/60Hz
Range of temperature display : 1-70°C
Display accuracy : 0.5°C
Insulating condition : Normal environment
Probe sensor : NTC(10k)1%
Running program : Set per 1 week as a cycle
Contact capacity : 3A(VWV);16A(WE)
Output : Switch relay
Limit temperature range : 1-70°C
Installation : recessed type (in the wall)
Range of temperature adjustment : 5-35°C
Size(mm) : 86*86*10

Displays



Description of icon

- Auto mode;run preset program
- Manual mode
- Clock
- Programming mode
- Temporary manual mode
- Holiday mode, Holiday days and temperature can be set to run in count down mode
- Heating, icon disappears to stop heating
- EXT External NTC sensor
- Child lock
- Activate window function
- Room temp
- SET Setting temp
- Cooling mode, the icon blinking means cooling mode output

Operation key

NO	symbols	represent
A		Turn ON/OFF:Short press to turn on/ turn off
B		1 Short press to switch automatic mode and manual mode 2 Turn on thermostat, long press for 3-5 seconds to enter into programmable setting 3.Turn off thermostat, long press for 3-5 seconds to enter into advanced option A
C		1 Confirm key: use it with key 2 Only short press to set time 3 Turn on thermostat, long press it for 3-5seconds to holiday mode setting. Appear OFF, press or change to ON, then press to confirm opening holiday mode 4 Turn off thermostat ,long press it for 3-5s to enter into advanced option B
D		1 Decrease key 2 Long press to lock /unlock
E		1 Increase key ; 2 Long press to inquire external sensor temperature (only available for BN item select N3 in the advance option B) 3 In the program model, press or enter to temporary manual mode

Programmable

5+2 (factory default), 6+1 and 7 models 6 times period setting for user choose. In the advanced options choose model of you need, under power on state, long press for 3-5 seconds enter into programming mode setting, then short press choose: hour, minute, time period, and press and to adjust data, finished setting, about 10 seconds will automatic save and exist.

Wake up	Leave home	Back home	Leave home	Back home	Sleep
6 : 00 20°C	8 : 00 15°C	11 : 30 15°C	13 : 30 15°C	17 : 00 15°C	22 : 00 15°C

Advanced option A

Power off state, long press for 3-5 seconds to access advanced option A. From A1 to AE, short press to choose the option, and adjust data by or , short press to switch next option. Remain about 5 seconds after finish setting will quit setting.

NO	Setting Options	Data Setting Function	Factory Default
A1	Measure Temperature Calibration	-9--+9°C (Displayed as the corrected room temperature value)	-1
A2	Start/stop working temperature difference setting	0.5-2.5°C	1°C

A3	Children lock setting	0:half lock 1:full lock	0
A4	Power on/off state memory after electricity cut	0:Thermostat on/off with memory when electricity 1:Thermostat off when electricity 2:Thermostat on when electricity	0
A5	Standby bright	0: Off 1: Weakly bright 2: Brighter	2
A6	Weekly programming selection	0: 5+2 1: 6+1 2: 7	0
A7	Setting temperature minimum limit	1-10°C	5°C
A8	Setting temperature maximum limit	20-70°C	35°C
A9	Low temperature protection	1-10°C When setting temp = 10°C, if press will display [--], cancel low temperature protection	5°C
AA	High temperature protection for external sensor	20°C-70°C When setting temp =20°C, if press will display [--], cancel high temperature protection	45°C

AB	High temperature protection temperature difference setting	1-9°C	2°C
AC	Window function triggers temperature	5-25°C, When setting temp is 5°C, decrease it, will display [--], then canceled this function	--
AD	Window function running time	5-60min	15
AE	Restore factory defaults	Display Ao, long press key to whole icon show	
AF	Heating/Cooling mode	0: heating 1: cooling	0

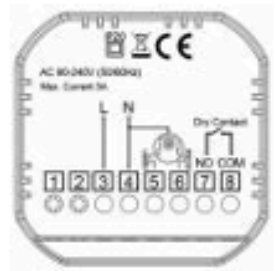
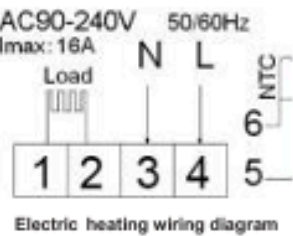
Advanced option B

Power off state, long press for 3-5 seconds to access advanced option B. short press to choose the option, and adjust data by or , short press to switch next option. Remain about 5 seconds after finish setting will quit setting.

NO	Setting Options	Data Setting Function	Factory Default
BN	Options of sensor control	N1: internal sensor (high temperature protection close) N2: External sensor (high temperature protection close) N3: internal sensor control temperature, external sensor limit temperature (external sensor detect the temperature is higher than highest temperature of external sensor, thermostat will Close relay, turn off load)	N1
BC	Descaling function	0: Disable descaling function 1: Enable descaling function	0
Bo	product information	Can't be changed	

Return difference: limit valve of external sensor is 45°C for factory default (A6), value of external sensor control return difference (A3) is 2. when temperature rise to 45°C, then relay stop working and will remind high temperature production alarm. If temperature decline to 43°C relay continue to work and heating alarm will be relieved, (it can be operated, only when room temperature is lower than setting temperature).
Sensor fault display: please choose correct working way of built-in and external sensor, if choose wrongly or sensor fault (breakdown), "E1" or "E2" will be displayed on the screen. Thermostat will stop heating until the fault is eliminated
Warranty:
We offer the warranty of 24 months, from the sales day. The products of our company can have lifetime warranty, if it is not the quality problems, or beyond the warranty period, we will charge for the after-sales service.

Wiring Diagram



Water heating and gas wall-hung boiler heating

Installation diagram:

