

Parameter No.	Definition	Setting range	Default	Remark
E01	Restore factory setting	0~99	53	Default 53 , change 53 to 55 to restore factory setting
E02	Power failure memory	0~ 2	01	When power on again: 0: device will be in shutdown state (“OFF”); 1: device will be in working interface; 2: device will stay the last status before power failure.
E03	Backlight brightness	1 ~5	2	1: dim , dim without key touch 2: Low brightness 3: Medium brightness 4: High brightness 5: Always on
E04	Beep volume	1 ~5	5	1: OFF 2: Low Beep 3: Medium Beep 4: High Beep 5: Standard Beep
E05	Communicate address	1~64	01	1~64
E06	Temp. upper limit	0~99	37.0 ℃	0~99
E07	Temp. lower limit	0~99	5.0 ℃	0~99
E08	Indoor temp.calibration	-9.9~9.9	0.0	-9.9~9.9
E12	Anti-Freeze protection switch	ON / OF	OF	ON: Turn on OF: Turn off Default protection temperature range: (5.0 ℃ -8.0 ℃) Anti-Freeze feature is available only when heating mode, turn on when temperature decrease to 5.0 ℃ , turn off when temperature increase to 8.0 ℃
E13	Fan mode option when indoor temp. reaches to setting temp.	ON / OF	OF	ON : fan keep low speed OF: fan turned off
E14	Fan working mode	0~3	0	0: Fan works both for cooling and heating mode 1: Fan works only in cooling mode 2: Fan works only in heating mode 3: Fan not work neither in cooling nor
E15	Panel lock function	ON / OF	ON	ON: turn on OF: turn off
E17	Option for interval ventilation feature	ON / OF	OF	ON: turn on OF: turn off
E18	Duration for interval ventilation	1~30 （min）	05(min)	Duration for interval ventilation within 1 hour , unit: minute
E19	Temp. deadband	1.0 - 9.9	1.0℃/2.0℉	
E20	Temp. unit	0 ~ 1	0	0: Celsius 1: Fahrenheit

Z-Wave Operation

• Including & Excluding of Z-Wave network

Under normal display, long press **^** + **🍀** to enter interface for inclusion or exclusion of Z-Wave network. Before device included into network,"----"will display on the screen. Then press **M** once,device will enter learning mode to get a node ID. If inclusion is success, a node ID will display on the screen in a few seconds. A node ID can always inform us whether the device is in the network or not.

Note: Follow the same steps to exclude the device from the network.

• Association Group

AG Identifier	Max Node ID	Command Classes	Trigger situation
0x01	1	COMMAND_CLASS_SENSOR_MULTILEVEL_V5, SENSOR_MULTILEVEL_REPORT_V5	The change in the detected temperature value compared to the most recent temperature value reported to the gateway is greater than the set value of parameter 2.
		COMMAND_CLASS_THERMOSTAT_MODE_V2, THERMOSTAT_MODE_REPORT	Device Mode changes
		COMMAND_CLASS_THERMOSTAT_OPERATING_STATE, THERMOSTAT_OPERATING_STATE_REPORT	Device Status changes
		COMMAND_CLASS_THERMOSTAT_SETPOINT_V2, THERMOSTAT_SETPOINT_REPORT_V2	Set point value changes
		COMMAND_CLASS_THERMOSTAT_FAN_MODE, THERMOSTAT_FAN_MODE_REPORT	Fan mode changes
		COMMAND_CLASS_THERMOSTAT_FAN_STATE, THERMOSTAT_FAN_STATE_REPORT	Fan status changes
		COMMAND_CLASS_DEVICE_RESET_LOCALLY, DEVICE_RESET_LOCALLY_NOTIFICATION	Restore the factory setting

• Command Class supported by the device:

COMMAND_CLASS_BASIC;
COMMAND_CLASS_THERMOSTAT_FAN_MODE;
COMMAND_CLASS_ASSOCIATION;

COMMAND_CLASS_THERMOSTAT_SETPOINT;
COMMAND_CLASS_THERMOSTAT_OPERATING_STATE;
COMMAND_CLASS_VERSION;

COMMAND_CLASS_THERMOSTAT_MODE;
COMMAND_CLASS_SENSOR_MULTILEVEL;
COMMAND_CLASS_MANUFACTURER_SPECIFIC

• Z-Wave Parameter Setting:

Number	Function	size	description	Default	Possible values
1	Secret Menu No. E20: Temp. Unit	1	0: Celsius 1: Fahrenheit	0	0-1
2	Automatic Temp. Value Reporting (Celsius)	2	Unit 0.1 ℃ 0: OFF: 3-255: n *0.1 ℃,automatically report to gateway when temperature variation greater than this value	5	0, 3-255
			Unit 0.1 ℉: 0: OFF: 3-255: n *0.1℉,automatically report to gateway when temperature variation greater than this value	10	0, 3-255
12	Secret Menu No. E02:Power Failure Memory	1	When power on again: 0: device will be in shutdown state (“OFF”); 1: device will be in working interface; 2: device will stay the last status before power failure.	1	0-2
13	Secret Menu No. E03:Backlight brightness	1	1: dim , dim without key touch 2: Low brightness 3: Medium brightness 4: High brightness 5: Always on	2	1-5
14	Secret Menu No. E04: Beep	1	1: OFF 2: Low Beep 3: Medium Beep 4: High Beep 5: Standard Beep	5	1-5
16	Secret Menu No. E06:Temp. Upper limit/ set upper	1	Upper limit always > lower limit	37(Celsius) 98 (Fahrenheit)	1-99
17	Secret Menu No. E07:Temp. Lower limit/set lower	1	Upper limit always > lower limit	5(Celsius) 41 (Fahrenheit)	
18	Secret Menu No. E08:Indoor temp. calibration	1	Temperature Calibration Value (℃ or ℉) , accuracy 0.1 （n *0.1）	0	(-99~+99) (Celsius) (-99~+99) (Fahrenheit)
22	Secret Menu No. E12:Switch for anti-freeze protection	1	1: Turn on 0: Turn off Default protection temperature range: (5.0 ℃ - 8.0 ℃) Anti-Freeze feature is available only when heating mode, turn on when temperature decrease to 5.0 ℃ , turn off when temperature increase to 8.0 ℃	0	0-1
23	Secret Menu No. E13:Fan mode option when indoor temp.reaches to setting temp.	1	1: Manual fan speed , keep fan speed , valve turned off Auto fan speed , keep low fan speed0: Fan turned off	0	0-1
24	Secret Menu No.E14:Fan working mode	1	0: Fan works both for cooling and heating mode 1: Fan works only in cooling mode 2: Fan works only in heating mode 3: Fan not work neither in cooling nor heating mode	0	0-3
25	Secret Menu No. E15: Panel lock function	1	1: Turn on 0: Turn off	1	0-1
26	Reserve				
27	Secret Menu No. E17: Option for interval ventilation feature	1	1: Turn on 0: Turn off	0	0-1
28	Secret Menu No. E18 : Duration for interval ventilation	1	Duration for interval ventilation within 1 hour , unit: minute	5	1-30
29	Secret Menu No. E19: Temp. Deadband	1	Temperature deadband (℃ or ℉) , accuracy 0.1	15(Celsius) 30 (Fahrenheit)	0-99 （Celsius) 0-99 （Fahrenheit)
255	Secret Menu No. E01 : Factory Restore	1	55: write 55 to restore factory setting and turn to shut down interface Other Value: invalid	53	0-99

1-Year Limited Warranty

We warrant this product to be free from defects in material and workmanship under normal and proper use for one year from purchase date of the original purchaser. We will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. THIS LIMITED WARRANTY DOES NOT COVER ANY DAMAGE TO THIS PRODUCT THAT RESULTS FROM IMPROPER INSTALLATION, ACCIDENT, ABUSE, MISUSE, NATURAL DISASTER, INSUFFICIENT OR EXCESSIVE ELECTRICAL SUPPLY, ABNORMAL MECHANICAL OR ENVIRONMENTAL CONDITIONS, OR ANY UNAUTHORIZED DISASSEMBLY, REPAIR OR MODIFICATION. This limited warranty shall not apply if: (i) the product was not used in accordance with any accompanying instructions, or (ii) the product was not used for its intended function. This limited warranty also does not apply to any product on which the original identification information has been altered, obliterated or removed, that has not been handled or packaged correctly, that has been sold as second-hand or that has been resold contrary to Country and other applicable export regulations.