

Parameters		Code	Range	Default value	Adjust value
DHW mode	DHW mode enable or not	DHW MODE	YES/NON	YES	/
	Disinfection function enable or not	DISINFECT	YES/NON	YES	/
	DHW priority	DHW PRIORITY	YES/NON	YES	/
	DHW pump	DHW PUMP	YES/NON	YES	/
	Maximum ambient temp allowed for DHW mode operation	Tao_DHWMAX	35~43°C	43	1°C
	Minimum ambient temp allowed for DHW mode operation	Tao_DHWMIN	-25~5°C	-10	1°C
	Disinfection tank temp	Twt_DI	60~75°C	70	1°C
	Delay time for tank electric heater operation(compare with compressor)	t_TBH_DELAY	0~240mim	30	1min
	Disinfection during time	t_DI_HIGHTEMP.	5~60min	15	1min
	Disinfection operation maximum time	t_DI_MAX	90~300min	210	10min
	Cooling/heating operation restrict time	t_DHWHP_RESTRICT	10~600min	30	10min
	DHW mode operation maximum time	t_DHWHP_MAX	10~600min	90	10min
	DHW pump operation time	DHW PUMP RUN TIME	5~120min	5	5min
	DHW mode turn on different temp	dTSDHW_ON	2~10°C	5	1°C
	Circle pump operation maximum temp when DHW mode in standby	Tao_PUMP_ON	-25~10°C	3	1°C
Cooling mode	Cooling mode enable or not	COOL MODE	YES/NON	YES	/
	Maximum ambient temp allowed for cooling mode operation	Tao_CMAX	35~60°C	43	1°C
	Minimum ambient temp allowed for cooling mode operation	Tao_CMIN	-5~25°C	10	1°C
	Cooling mode ambient temp refresh time	t_Tao_FRESH_C	1~30	5	1min
	Cooling mode turn on different temp	dTSC_OFF	2~10°C	2	1°C
	Cooling mode turn off different temp	dTSC_ON	2~10°C	5	1°C
	Cooling mode set water temp 1	TsetAC_C1	5~25°C	10	1°C
	Cooling mode set water temp 2	TsetAC_C2	5~25°C	16	1°C
	Cooling mode set ambient temp 1	Tao_C1	-5~46°C	35	1°C
	Cooling mode set ambient temp 2	Tao_C2	-5~46°C	25	1°C
	Zone 1 terminal type of cooling mode	ZONE1 C_EMISSION	RAD/FLH/FCU	FCU	/
	Zone 2 terminal type of cooling mode	ZONE2 C_EMISSION	RAD/FLH/FCU	FCU	/
	Duty cycle of water pump operation shield with cooling mode 1	P_SHIELD_C1	2.5%~72.5%/NON	/	7%
	Duty cycle of water pump operation shield with cooling mode 2	P_SHIELD_C2	2.5%~72.5%/NON	/	7%
	Duty cycle of water pump operation shield with cooling mode 3	P_SHIELD_C3	2.5%~72.5%/NON	/	7%
Duty cycle of water pump operation shield with cooling mode 4	P_SHIELD_C4	2.5%~72.5%/NON	/	7%	
Duty cycle of water pump operation shield with cooling mode 5	P_SHIELD_C5	2.5%~72.5%/NON	/	7%	
Heating mode	Heating mode enable or not	HEAT MODE	YES/NON	YES	/
	Maximum ambient temp allowed for heating mode operation	Tao_HMAX	20~35°C	35	1°C
	Minimum ambient temp allowed for heating mode operation	Tao_HMIN	-25~15°C	-15	1°C
	Heating mode ambient temp refresh time	t_Tao_FRESH_H	1~30	5	1min
	Heating mode turn on different temp	dTSH_OFF	2~10°C	2	1°C

	Heating mode turn off different temp	dTSH_ON	0~10°C	5	1°C
	Heating mode set water temp 1	TsetAC_H1	25~60°C	35	1°C
	Heating mode set water temp 2	TsetAC_H2	25~60°C	28	1°C
	Heating mode set ambient temp 1	Tao_H1	-25~35°C	-5	1°C
	Heating mode set ambient temp 2	Tao_H2	-25~35°C	7	1°C
	Zone 1 terminal type of heating mode	ZONE1_H_EMISSION	RAD/FLH/FCU	RAD	/
	Zone 2 terminal type of heating mode	ZONE2_H_EMISSION	RAD/FLH/FCU	FLH	/
	Duty cycle of water pump operation shield with heating mode and DHW mode 1	P_SHIELD_H1	2.5%~72.5%/NON	/	7%
	Duty cycle of water pump operation shield with heating mode and DHW mode 2	P_SHIELD_H2	2.5%~72.5%/NON	/	7%
	Duty cycle of water pump operation shield with heating mode and DHW mode 3	P_SHIELD_H3	2.5%~72.5%/NON	/	7%
	Duty cycle of water pump operation shield with heating mode and DHW mode 4	P_SHIELD_H4	2.5%~72.5%/NON	/	7%
	Duty cycle of water pump operation shield with heating mode and DHW mode 5	P_SHIELD_H5	2.5%~72.5%/NON	/	7%
Room temp Control (cooling mode)	Fan coil initial target water temp of cooling mode	TC_INITIAL_FCU	5~25°C	7	1°C
	Floor heating initial target water temp of cooling mode	TC_INITIAL_FLH	18~25°C	20	1°C
	Upper limit value of water temp regulation in cooling mode	TC_ADJUST_UP	0~15°C	3	1°C
	Lower limit value of water temp regulation in cooling mode	TC_ADJUST_DOWN	-15~0°C	-2	1°C
	Cooling mode turn off different room temp	dTRC_OFF	-5~0°C	-0.5	0.1°C
	Cooling mode turn on different room temp	dTRC_ON	0~5°C	0.5	0.1°C
	Cooling mode room temp correct value	TC_CORRECT	-5~5°C	0	0.5°C
Room temp adjust range in cooling mode	TC_INTERVAL	0.1~3°C	0.5	0.1°C	
Room temp Control (heating mode)	Floor heating initial target water temp of heating mode	TH_INITIAL_FLH	25~40°C	35	1°C
	Radiator initial target water temp of heating mode	TH_INITIAL_RAD	35~60°C	45	1°C
	Fan coil initial target water temp of heating mode	TH_INITIAL_FCU	30~50°C	40	1°C
	Upper limit value of water temp regulation in heating mode	TH_ADJUST_UP	0~15°C	5	1°C
	Lower limit value of water temp regulation in heating mode	TH_ADJUST_DOWN	-15~0°C	-5	1°C
	Maximum water temp of floor heating in heating mode	TH_MAX_FLH	35~60°C	45	1°C
	Minimum water temp of floor heating in heating mode	TH_MIN_FLH	25~35°C	30	1°C
	Maximum water temp of radiator in heating mode	TH_MAX_RAD	35~60°C	50	1°C
	Minimum water temp of radiator in heating mode	TH_MIN_RAD	25~35°C	35	1°C
	Maximum water temp of fan coil in heating mode	TH_MAX_FCU	35~60°C	45	1°C
	Minimum water temp of fan coil in heating mode	TH_MIN_FCU	25~35°C	30	1°C
	Heating mode turn off different room temp	dTRH_OFF	0~5°C	0.5	0.1°C
	Heating mode turn on different room temp	dTRH_ON	-5~0°C	-0.5	0.1°C
	Zone 1 heating mode room temp correct value	TH_CORRECT	-5~5°C	0	0.5°C
Zone 2 heating mode room temp correct value	TH_CORRECT_FLH	-5~5°C	0	0.5°C	

	Room temp adjust range in heating mode	TH_INTERVAL	0.1~3°C	0.5	0.1°C
Room temp (normal)	Target water temp refresh interval time	t_REFRESH	1~30min	10	1min
	Target water temp refresh value	TW_AV	0.1~3°C	1	0.1°C
AUTO mode	Minimum ambient temp of cooling mode	Tao_AUTOCMIN	20~35°C	25	1°C
	Maximum ambient temp of heating mode	Tao_AUTOHMAX	10~17°C	17	1°C
Temp type	Zone 1 room temp control	ZONE1 ROOM TEMP	YES/NON	NON	/
	Zone 2 room temp control	ZONE2 ROOM TEMP	YES/NON	NON	/
	Double zone control	DOUBLE ZONE	YES/NON	NON	/
Thermostat	Room thermostat	ROOM THERMOSTAT	YES/NON	NON	/
Other heating source	Electric heater enable or not	INNER BACKUP HEATER	YES/NON	YES	/
	Electric heater power selection	IBH POWER SELECTION	3kW/6kW/9kW	9kW	/
	Tank heater enable or not	TANK HEATER	YES/NON	YES	/
	Maximum ambient temp allowed for electric heater operation	Tao_IBH_ON	-15~10°C	-5	1°C
	Maximum ambient temp allowed for tank electric heater operation	Tao_TBH_ON	-5~20°C	5	1°C
	Maximum ambient temp allowed for gas boiler operation	Tao_AHS_ON	-25~10°C	-5	1°C
	Delay time for electric heater operation(compare with compressor)	t_IBH_DELAY	15~120min	50	5min
	Delay time for gas boiler operation(compare with compressor)	t_AHS_DELAY	5~120min	30	5min
	Which mode use gas boiler	MODE_GAS	HEAT & DHW/ HEAT/ DHW	HEAT & DHW	/
Mixed pump and mixed valve	Mixed pump turn on different temp	dTwi_FLH_ON	2~10°C	5	1°C
	Mixed pump turn off different temp	dTwi_FLH_OFF	-10~-2°C	-5	1°C
	Mixed valve turn on and turn off total time	TIME_ADJUST	1~60min	5	1min
	Mixed valve turn on percentage in total time	PER_START	0~100%	20%	20%
	Floor heating inlet water temp setting	Tx_FLH	30~40°C	35	1°C
Floor pre-heat	Floor pre-heating function target water temp	Tset_B_PREHEATING	30-45°C	30	1°C
	Floor pre-heating function during time	t_fristFH	24~72HOURS	72	1h
Floor drying function	Floor drying function maximum water temp	T_DRYPEAK	35~45°C	45	1°C
	Floor drying function temp rise cycle	t_DRYUP	2~8days	8	1day
	Floor drying function temp maintain cycle	t_HIGHPEAK	1~5days	5	1day
	Floor drying function temp drop cycle	t_DRYDOWN	0~5days	5	1day
ECO function curve9(DIY) of heating mode	Low water temp(floor heating)(Tao<-16°C)	Tao_(-∞, -16)_L	Type1~Type8	Type3	/
	High water temp(radiator and fan coil)(Tao<-16°C)	Tao_(-∞, -16)_H	Type1~Type8	Type3	/
	Low water temp(floor heating) (-16°C≤Tao<-8°C)	Tao_[-16, -8)_L	Type1~Type8	Type3	/
	High water temp(radiator and fan coil) (-16°C≤Tao<-8°C)	Tao_[-16, -8)_H	Type1~Type8	Type3	/
	Low water temp(floor heating) (-8°C≤Tao<0°C)	Tao_[-8, 0)_L	Type1~Type8	Type3	/
	High water temp(radiator and fan coil) (-8°C≤Tao<0°C)	Tao_[-8, 0)_H	Type1~Type8	Type3	/
	Low water temp(floor heating) (0°C≤Tao<8°C)	Tao_[0, 8)_L	Type1~Type8	Type3	/

	High water temp(radiator and fan coil) ($0^{\circ}\text{C}\leq\text{Tao}<8^{\circ}\text{C}$)	Tao_[0, 8]_H	Type1~Type8	Type3	/
	Low water temp (floor heating) ($8^{\circ}\text{C}\leq\text{Tao}<16^{\circ}\text{C}$)	Tao_[8, 16]_L	Type1~Type8	Type3	/
	High water temp(radiator and fan coil) ($8^{\circ}\text{C}\leq\text{Tao}<16^{\circ}\text{C}$)	Tao_[8, 16]_H	Type1~Type8	Type3	/
	Low water temp(floor heating) ($\text{Tao}\geq 16^{\circ}\text{C}$)	Tao_[16, +∞]_L	Type1~Type8	Type3	/
	High water temp(radiator and fan coil) ($\text{Tao}\geq 16^{\circ}\text{C}$)	Tao_[16, +∞]_H	Type1~Type8	Type3	/
ECO function curve9(DIY) of cooling mode	Low water temp(floor heating) ($\text{Tao}<15^{\circ}\text{C}$)	Tao_(-∞, 15]_L	Type1~Type8	Type3	/
	High water temp(fan coil) ($\text{Tao}<15^{\circ}\text{C}$)	Tao_(-∞, 15]_H	Type1~Type8	Type3	/
	Low water temp(floor heating) ($15^{\circ}\text{C}\leq\text{Tao}<22^{\circ}\text{C}$)	Tao_[15, 22]_L	Type1~Type8	Type3	/
	High water temp(fan coil) ($15^{\circ}\text{C}\leq\text{Tao}<22^{\circ}\text{C}$)	Tao_[15, 22]_H	Type1~Type8	Type3	/
	Low water temp(floor heating) ($22^{\circ}\text{C}\leq\text{Tao}<30^{\circ}\text{C}$)	Tao_[22, 30]_L	Type1~Type8	Type3	/
	High water temp(fan coil) ($22^{\circ}\text{C}\leq\text{Tao}<30^{\circ}\text{C}$)	Tao_[22, 30]_H	Type1~Type8	Type3	/
	Low water temp(floor heating) ($\text{Tao}\geq 30^{\circ}\text{C}$)	Tao_[30, +∞]_L	Type1~Type8	Type3	/
	High water temp(fan coil) ($\text{Tao}\geq 30^{\circ}\text{C}$)	Tao_[30, +∞]_H	Type1~Type8	Type3	/
Input parameters define	Floor heating inlet water temp enable or not	Twi_FLH	YES/NON	NON	/
	Buffer tank temp 1 enable or not	Twt_BT1	YES/NON	NON	/
	Buffer tank temp 2 enable or not	Twt_BT2	YES/NON	NON	/
	Smart grid	SMART GRID	YES/NON	NON	/
	Solar input	SOLAR INPUT	Tsolar/SL1SL2/NON	NON	/
	Peak electric heat pump running time	SMART GRID RUN TIME	0~24 HOURS	4	1h
	Backup power enable or not	BACKUP POWER	YES/NON	NON	/
	Input power limit when use backup power	POWER INPUT LIMITATION	0%~100%	0%	10%
	Is the temperature sensor inside the wired controller used	WC_T_ROOM	YES/NON	YES	/
	Electric heater 1 power	E-HEATER1 POWER	0~20kW	3	0.5kW
	Electric heater 2 power	E-HEATER2 POWER	0~20kW	6	0.5kW
	Tank electric heater power	TANK E-HEATER POWER	0~20kW	0	0.5kW
	Circulate water pump running time when in standby state	t_PUMP_ON	1~10min	4	1min
	Circulate water pump stop time when in standby state	t_PUMP_OFF	3~30min	3	1min
	Circulate water pump control way selection	MODE_PUMP_I	Normal/Emergency	Normal	/
	Voltage adjustment coefficient of mixing valve	V_ADJUST	1%~100%	15%	1%
	At the beginning of voltage adjustment different temp	dTSH_ADJUST	0.2~3°C	1	0.2°C
	Mixed valve initial voltage	V_INITIAL	2~8V	5	1V
	Mixed valve minimum voltage	V_MIN	0~4V	0	1V
	Mixed valve maximum voltage	V_MAX	5~10V	10	1V
Voltage adjustment interval time	t_DURATION	1~30min	5	1min	
	Cascade enable or not	Cascade	YES/NON	NON	/