Address table

Parameter No.	Content	Range	Default value	Read/write	Remarks
0(0x0000)	0-OFF 1-ON	0/1	/	R	
1(0x0001)	Filter used days	0-250	/	R	Write 1 to eliminate this reminder
2(0x0002)	Filter alarm timer setting (days)	0-120	60 days	R/W	0 for closing the filter alarm function
3(0x0003)	0: filter normal 1: filter change reminder	0-1	0	R/W	
4(0x0004)	Exhaust air temperature	0-120	/	R	If the value is >=20, the actual temperature is the data 20; if the value <20, the actual temperature is 20-the data.
5(0x0005)	Supply air temperature	0-120	/	R	
6(0x0006)	Outdoor Air humidity	0-100 %	/	R	
7(0x0007)	Outdoor Air temperature	-20-60 °C	/	R	If the value is >=20, the actual temperature is the data 20; if the value <20, the actual temperature is 20-the data.
8(0x0008)	Return Air humidity	0-100 %	/	R	
9(0x0009)	Return Air temperature	-20-60 °C	/	R	If the value is >=20, the actual temperature is the data 20; if the value <20, the actual temperature is 20-the data.
10(0x00a)	CO2 value (ppm)	0-2000	/	R	
11(0x000b)	Fan shift setting	1-4	/	R	
12(0x000c)	Reserved	0-4	/	R	
13(0x000d)	Set temperature for heating	15-30	16 °C	R/W	
14(0x000E)	One key high speed time setting (minutes)	0-120	30 min	R/W	
15(0x000F)	Bit 0: Outdoor Air temperature and humidity error Bit 1: Return Air temperature and humidity error Bit 2: Outdoor Air temperature error Bit 3: Re turn Air temperature error Bit 4: CO2 sensor error Bit 8: supply fan error alarm Bit 9: exhaust fan error alarm If value=1, then it has error, otherwise it has no error.	0/1	/	R	Not affected by left type or right type
16(0x0010)	0 : regular defrosting closed 1: regular defrosting open	0/1	1	R/W	
17(0x0011)	Defrosting interval(min)	15-99	30 min	R/W	
18(0x0012)	Defrosting entering temperature	11-30	25	R/W	11 = -9 °C, 12 = -8 °C, 20 = 0 °C, 25 = 5 °C
19(0x0013)	Defrost duration time (min)	2-20	10 min	R/W	
20(0x0014)	0 :Humidity Excessi on Detection Closed 1: Hum idity Excessi on Detection Open	0/1	1	R/W	
21(0x0015)	Setting value for humidity excession	50-99 %	75%	R/W	
22(0x0016)	0 : detection for CO2 excession Closed 1: detection for CO2 excession Open	0/1	0	R/W	
23(0x0017)	Setting value for CO2 excession	800-1900	1500 ppm	R/W	

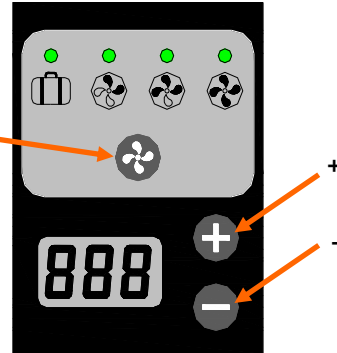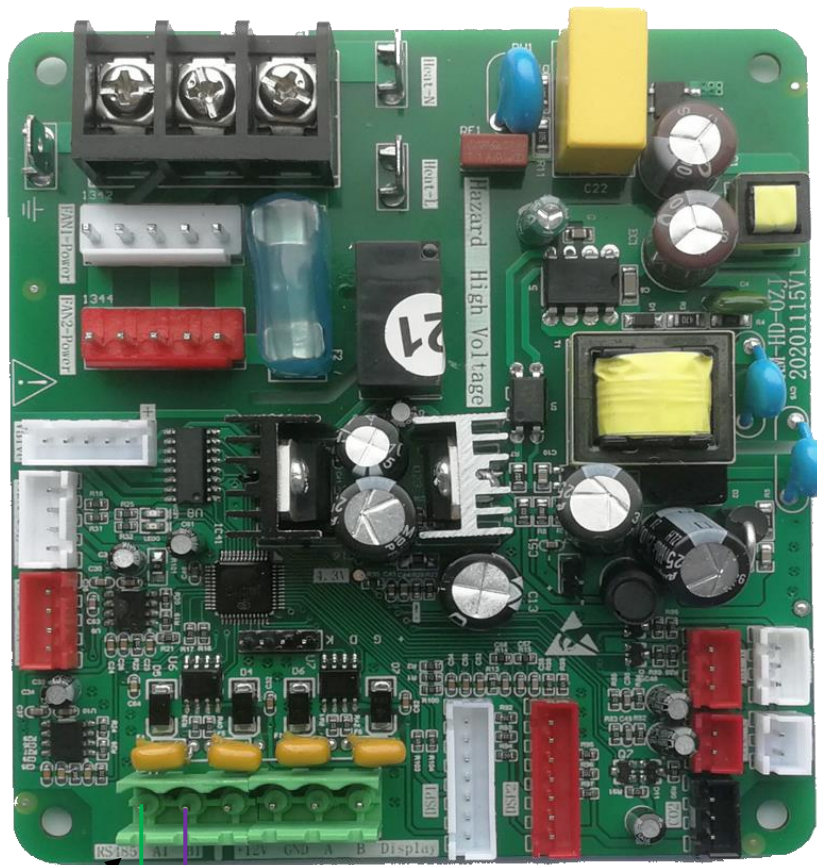| Address	Description	Range	Default	R/W	Notes
24(0x0018)	0: manual bypass 1: auto bypass	0/1	1	R/W	When manual bypass is closed, auto bypass is effective.
25(0x0019)	Temperature for auto bypass opening	5-30	19 °C	R/W	
26(0x001A)	Return difference for bypass temperature	2-15	3 °C	R/W	This is to use together with Add. 25, so default is that auto bypass will open at temperature (19 °C, 22 °C)
27(0x001B)	0: electric heating closed 1: electric heating on	0/1	0	R/W	
28(0x001C)	0: manual bypass closed 1: manual bypass open	0/1	0	R/W	
29(0x001D)	Fan 1 actual output voltage 0-10000	0-10000	/	R	10000 = 10 V
30(0x001E)	Fan 2 actual output voltage	0-10000	/	R	10000 = 10 v
31(0x001F)	Model selection 0: 250CMH model 1: 350CMH model 2: 500CMH model	0-2	Set when out of factory	R/W	
32(0x0020)	Electricity statistics (excluding electric heating) (kW/h)	0-9999	/	R	
33(0x0021)	Electric heating power statistics (kW/h)	0-9999	/	R	Electric heating power value needs to be set in advance
34(0x0022)	Motor thermal power setting (kW)	500-3000	250CHM-0.8 kW 350CHM-1 kW 500 CHM-2kW	R/W	Can be set according to the actual situation
35(0x0023)	Compulsory defrosting temperature (°C) (fresh air inlet temperature)	10-30	15		11 = -9 °C, 12 = -8 °C, 20 = 0 °C, 25 = 5 °C
36(0x0024)	Compulsory defrost entry interval (hours)	0-12	2 hours		

Setup Equipment Modbus address :

Local commissioning control :

On the Local commissioning control, press the "-" key for 6 seconds, press "+" or "-" to set the RS485 address of the ventilator for centralized control.

Speed button

+

-

Baud rate speed is 9600

RS485 ports

A1

B1

MODBUS RTU protocol has stipulated specific communication interface form :

No.	Technical pointer/Specifications	Stipulation
1	physical interface	RS485 half duplex
2	**Baud rate**	**9600**
3	Transfer way	RTU (Remote Terminal Unit) Format
4	Data stream format	Address Function Code Amount of data Data 1 ... Data n CRC high byte CRC low byte
5	Address	0-99
6	Function code	3,6
9	CRC verify	CRC-16
10	Byte format	10 digit format : 1 start bit + 8 data bits + no parity verify
11	Verify way	CRC-16
12	OXFF address	Broadcast adress
13	Interface definition	A(+), B(-), two-wire system