

Object List

FMHC220-VFS-FC_MDB_01

OBJECT LIST FOR FMHC220-VFS-FC

MODBUS RTU Mode, Address Slave 1 - 99,

Timeout 100 ms Baud 9600, n, 8, 1

Command:

0x03 = Read Holding Registers

0x06 = Preset Single Register

N°	Register	Value	Description	Default
1	0x0000	0...40°C	T1 – Room / Return air temperature	
2	0x0001	-40...89°C	T2 – Change over sensor temperature	
3	0x0002	-40...89°C	Not In Use	
4	0x0004		Effective Fan Indication	Indication only
5	0x0005	0 - Fan only 1 - Cool 2 - Heat 3 - Auto change	Mode	1
6	0x0006	0 - Auto speed 1 - Low 2 - Medium 3 - High	Fan speed	1
7	0x0007	10...30°C	Set Point temperature	21°C
8	0x0008	10...30°C	Set point temperature limit for cooling (low limit)	10°C
9	0x0009	10...30°C	Set point temperature limit for heating (high limit)	30°C
10	0x000A	0...5°C	Dead zone for cool	1°C
11	0x000B	0...5°C	Dead zone for heat	1°C
12	0x000C	-6...6°C	Offset for calibration of measured temperature	0°C
13	0x000D	2...10°C	Fan Proportional Band In Cool	2°C
14	0x000E	0...100%	Fan Proportional Low Limit In Cool	0%
15	0x000F	0...100%	Fan Proportional High Limit In Cool	100%
16	0x0010	2...10°C	Fan Proportional Band In Heat	2°C
17	0x0011	0...100%	Fan Proportional Low Limit In Heat	0%
18	0x0012	0...100%	Fan Proportional High Limit In Heat	100%
19	0x0013	10...30°C	Set point temperature limit for cooling in Economy mode	30°C
20	0x0014	10...30°C	Set point temperature limit for heating in Economy mode	10°C
21	0x0015	0 - Change over sensor or Remote switch (Mode selection) 1 - Remote switch (Turn OFF) 2 - Remote switch (Switch to EC)	"0", "T2" output functionality	0

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N°	Register	Value	Description	Default
22	0x0016		Fan Low Speed Percentage	
23	0x0017		Fan Medium Speed Percentage	
24	0x0018		Fan High Speed Percentage	
25	0x0019	1 - Remote switch 0 - Change over sensor	"0", "T2" Remote switch / Change over sensor	DIP switch S1.1
26	0x001A	1 - 4-Pipe 0 - 2-Pipe	4-Pipe system / 2-Pipe	DIP switch S1.2
27	0x001B	1 - 3 Speeds 0 - 1 Speed	Electrical Heater	DIP switch S1.3
28	0x001C	1 - Without 0 - With	With / Without Auto change over mode	DIP switch S1.4
29	0x001D	1 - Set point only 0 - Set point and room	Display set point temp. only / Set point and room temp.	DIP switch S1.5
30	0x001E	1 - Auto fan always 0 - Auto fan selectable	Auto fan always / Auto fan selectable	DIP switch S1.6
31	0x001F	1 - Internal 0 - External	Internal / External sensor	DIP switch S2.1,2,3
32	0x0020	1 - Active 0 - Not active	E1 (Remote switch – Turn OFF) Active	
33	0x0021	1 - Active 0 - Not active	E2 (Switch to EC) Active	
34	0x0022	1 - On 0 - Off	COOL	Indication only
35	0x0023	1 - On 0 - Off	HEAT	Indication only
36	0x0024	1 - On 0 - Off	PUMP	Indication only
37	0x0025	1 - On 0 - Off	On / Off	0
38	0x0026	1 - On 0 - Off	Auto Fan	0
39	0x0027	1 - Lock 0 - Unlock	Lock ON-OFF button	0
40	0x0028	1 - Lock 0 - Unlock	Lock Mode button	0
41	0x0029	1 - Lock 0 - Unlock	Lock Set point buttons	0
42	0x002A	1 - Lock 0 - Unlock	Lock Fan button	0
43	0x002B	1 - Enable 0 - Disable	Buzzer Off/On	0
44	0x002C	1 - Beeper OFF 0 - Beeper ON	Restore Default	0