

MEITAVTEC LTD, 2024, PIC18F46K22

OBJECT LIST FOR **CTU4500 C2 1S (ID=24140408)**

MODBUS RTU Mode, Address Slave 1-247, Max. time out 100ms.

Baud rate= 9600, 19200, 38400, no parity, 8 data bits, 1stop.

All Registers Signed Integer 16-bit, R-Register Readable, W-Register Writable.

Supported Modbus Command:

0x03 = Read Holding Registers

0x06 = Write Single Register

0x10 = Write Multiple Registers

0x2B = Read Device Identification (Basic = 0x01, Regular = 0x02)

Register number = Address + 1

* - if ViewFloatValue = 0 – integer value for this parameter,
ViewFloatValue = 1 - float value for this parameter with one decimal place, multiplied by 10

Reg num	Address Dec, [Hex]	Description	Range, Unit	Default, Access	
1	0, [0x00]	T1_ReturnAirTemperature	7...32°C	R/W	*
2	1, [0x01]	T2_ExternalAirConditionTemperature	-74...85°C	R/W	*
3	2, [0x02]	T3_InternalAirConditionTemperature	-74...85°C	R/W	*
4	3, [0x03]	AI1_Input	0...100%	R/W	
5	4, [0x04]	AI2_Input	0...100%	R/W	
6	5, [0x05]	AO1	0...10 V	R/W	
7	6, [0x06]	AO2	0...10 V	R/W	
8	7, [0x07]	Mode: 0 – Fan Only; 1 – Cool	0, 1	1-Cool, R/W	
9	8, [0x08]	FanSpeed: 1-On, 0-Off	0, 1	1-On, R	
10	9, [0x09]	SetPoint	10...30°C	21°C, R/W	
11	10, [0x0A]	SetPointLimitCool	10...30°C	10°C, R/W	
12	11, [0x0B]	SetPointLimitHeat	10...30°C	30°C, R/W	
13	12, [0x0C]	HysteresisForCompressors	0...10°C	2°C, R/W	
14	13, [0x0D]	CurrentTimeWorkSelectCompressor	0...8760 hours	0 hours, R/W	
15	14, [0x0E]	ReturnAirSensorCalibration	-6...6°C	0°C, R/W	*
16	15, [0x0F]	TimeChangeBetweenCompressors	0...8760 hours	24 hours, R/W	
17	16, [0x10]	Reserve	0	0, R	

Reg num	Address Dec, [Hex]	Description	Range, Unit	Default, Access	
18	17, [0x11]	AlarmTemperatureHigh	7...32°C	28°C, R/W	
19	18, [0x12]	AlarmTemperatureLow	7...32°C	10°C, R/W	
20	19, [0x13]	CompressorStandByDelay	0...3600 sec	240 sec, R/W	
21	20, [0x14]	CompressorOffset	2...10°C	2°C, R/W	
22	21, [0x15]	SelectFirstCompressor	1, 2	1, R/W	
23	22, [0x16]	HysteresisAlarmHigh	0...30°C	2°C, R/W	
24	23, [0x17]	HysteresisAlarmLow	0...30°C	2°C, R/W	
25	24, [0x18]	Reserve	0	0, R	
26	25, [0x19]	Reserve	0	0, R	
27	26, [0x1A]	Reserve	0	0, R	
28	27, [0x1B]	Reserve	0	0, R	
29	28, [0x1C]	DI1	1-On, 0-Off	R/W	
30	29, [0x1D]	DI2	1-On, 0-Off	R/W	
31	30, [0x1E]	DI3	1-On, 0-Off	R/W	
32	31, [0x1F]	DI4	1-On, 0-Off	R/W	
33	32, [0x20]	DI5	1-On, 0-Off	R/W	
34	33, [0x21]	DI6	1-On, 0-Off	R/W	
35	34, [0x22]	DI7	1-On, 0-Off	R/W	
36	35, [0x23]	DI8	1-On, 0-Off	R/W	
37	36, [0x24]	COMPRESSOR1	1-On, 0-Off	0-Off, R	
38	37, [0x25]	Fan 1	1-On, 0-Off	0-Off, R	
39	38, [0x26]	COMPRESSOR2	1-On, 0-Off	0-Off, R	
40	39, [0x27]	Fan 2	1-On, 0-Off	0-Off, R	
41	40, [0x28]	ALARM_LOW_HIGH	1-On, 0-Off	0-Off, R	
42	41, [0x29]	OnOff	1-On, 0-Off	0-Off, R/W	
43	42, [0x2A]	AutoFan	1-On, 0-Off	0-Off, R/W	
44	43, [0x2B]	RestoreDefault	1-Restore, 0-Off	0-Off, R/W	
45	44, [0x2C]	T2_IndicationOnly (Not In Use)	1-On, 0-Off	0-Off, R/W	
46	45, [0x2D]	T3_IndicationOnly (Not In Use)	1-On, 0-Off	0-Off, R/W	
47	46, [0x2E]	LockRoomModule	1-Lock, 0-Off	0-Off, R/W	
48	47, [0x2F]	LockRoomModuleMode	1-Lock, 0-Off	0-Off, R/W	
49	48, [0x30]	LockRoomModuleFanSpeed	1-Lock, 0-Off	0-Off, R/W	
50	49, [0x31]	LockRoomModuleSetPoint	1-Lock, 0-Off	0-Off, R/W	
51	50, [0x32]	LockRoomModuleOnOff	1-Lock, 0-Off	0-Off, R/W	
52	51, [0x33]	LockRoomModuleBeeper	1-Lock, 0-Off	0-Off, R/W	
52	52, [0x34]	HighAlarm	1-Alarm, 0-Off	0-Off, R	
54	53, [0x35]	LowAlarm	1-Alarm, 0-Off	0-Off, R	
55	54, [0x36]	CompressorAlarm	1-Alarm, 0-Off	0-Off, R	
56	55, [0x37]	ViewFloatValue	1-View, 0-Off	0-Off, R/W	
57	56, [0x38]	TemperatureOverrideEnable	1-Enable, 0-Disable	1-Enable, R/W	
58	57, [0x39]	ModbusBaudrate: 0-9600, 1-19200, 2-38400	0, 1, 2	0-9600, R/W	