

MEITAVTEC LTD, 13/02/2013 16:20:02, PIC18F4620

OBJECT LIST FOR CTU 4500 3 BT 13135501

MODBUS RTU Mode, Address Slave 1-247, Time Out 100 ms, Baud 9600, n, 8, 1

All Registers Signed Integer 16 bit, R-Register Read Only, W-Register Writable

Command:0x03 = Read Holding Registers

0x06 = Preset Single Register

0x10 = Preset Multiple Registers

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

Register number = Address + 1

Reg num	PDU address Dec, [Hex]	Range	Description	Default
1	0, [0000]	7...32°C	T1_RoomTemperature	R/W
2	1, [0001]	-40...89°C	T2_ChangeOverSensorTemperature	R/W
3	2, [0002]	-40...89°C	T3_IndoorCoilTemperature	R/W
4	3, [0003]	0...100%	AI1_Input	R/W
5	4, [0004]	0...100%	AI2_Input	R/W
6	5, [0005]	0...10V	AO1	R/W
7	6, [0006]	0...10V	AO2	R/W
8	7, [0007]	0...3	Mode 0 – Fan Only 1 – Cool 2 – Heat 3 - Automode	1-Cool, R/W
9	8, [0008]	0...3	FanSpeed 0 – Autospeed 1 – Low 2 – Medium 3 - High	1-Low, R/W
10	9, [0009]	10...30°C	SetPoint	21°C, R/W
11	10, [000A]	10...30°C	SetPointLimitCool	10°C, R/W
12	11, [000B]	10...30°C	SetPointLimitHeat	30°C, R/W
13	12, [000C]	0...5°C	DeadZoneForCool	1°C, R/W
14	13, [000D]	0...5°C	DeadZoneForHeat	1°C, R/W
15	14, [000E]	-6...6°C	ReturnAirSensorCalibration	0°C, R/W
16	15, [000F]	0...1	UnOccupancyModeSelect 0-On/Off, 1-Start/Stop	0-On/Off, R/W
17	16, [0010]	0...3600 sec	TimeSwitchingToUnOccupiedMode	1200 sec, R/W
18	17, [0011]	0...3600 sec	TimeSwitchingToOccupiedMode	5 sec, R/W
19	18, [0012]	0...3600 sec	CompressorStandByDelay	240 sec, R/W
20	19, [0013]	0...600 sec	TimeOnBetweenStages	1 sec, R/W
21	20, [0014]	0...600 sec	TimeOffBetweenStages	1 sec, R/W
22	21, [0015]	0...10°C	CompressorTwoOffset	0°C, R/W
23	22, [0016]	0...10°C	CompressorThreeOffset	0°C, R/W
24	23, [0017]	0...10°C	CompressorFourOffset	0°C, R/W
25	24, [0018]	0...2000 sec	TimeDeiceInHeat	300 sec, R/W

Reg num	PDU address Dec, [Hex]	Range	Description	Default
26	25, [0019]	0...2000 sec	TimeBreakDeiceInHeat	1320 sec, R/W
27	26, [001A]	-40...99°C	DeiceInCoolCutInTemperature	0°C, R/W
28	27, [001B]	-40...99°C	DeiceInCoolCutOutTemperature	8°C, R/W
29	28, [001C]	-40...99°C	DeiceInHeatCutInTemperature	0°C, R/W
30	29, [001D]	-40...99°C	DeiceInHeatCutOutTemperature	16°C, R/W
31	30, [001E]	-40...99°C	OverHeatInCoolCutInTemperature	70°C, R/W
32	31, [001F]	-40...99°C	OverHeatInCoolCutOutTemperature	55°C, R/W
33	32, [0020]	-40...99°C	OverHeatInHeatCutInTemperature	70°C, R/W
34	33, [0021]	-40...99°C	OverHeatInHeatCutOutTemperature	55°C, R/W
35	34, [0022]	0...300 sec	DelayStartingFanInCool	0 sec, R/W
36	35, [0023]	0...300 sec	DelayStoppingFanInCool	0 sec, R/W
37	36, [0024]	0...300 sec	DelayStartingFanInHeat	0 sec, R/W
38	37, [0025]	0...300 sec	DelayStoppingFanInHeat	0 sec, R/W
39	38, [0026]	1-On, 0-Off	DI1	R/W
40	39, [0027]	1-On, 0-Off	DI2	R/W
41	40, [0028]	1-On, 0-Off	DI3	R/W
42	41, [0029]	1-On, 0-Off	DI4	R/W
43	42, [002A]	1-On, 0-Off	DI5	R/W
44	43, [002B]	1-On, 0-Off	DI6	R/W
45	44, [002C]	1-On, 0-Off	DI7	R/W
46	45, [002D]	1-On, 0-Off	OccupancySensor	R/W
47	46, [002E]	1-On, 0-Off	DesableDelayCompressor	R/W
48	47, [002F]	1-On, 0-Off	H1_HP	0-Off, R
49	48, [0030]	1-On, 0-Off	COMPRESSOR1	0-Off, R
50	49, [0031]	1-On, 0-Off	COMPRESSOR2	0-Off, R
51	50, [0032]	1-On, 0-Off	COMPRESSOR3	0-Off, R
52	51, [0033]	1-On, 0-Off	OUTDOORFAN	0-Off, R
53	52, [0034]	1-On, 0-Off	FAN_LOW	0-Off, R
54	53, [0035]	1-On, 0-Off	FAN_MEDIUM	0-Off, R
55	54, [0036]	1-On, 0-Off	FAN_HIGH	0-Off, R
56	55, [0037]	1-On, 0-Off	OnOff	1-On, R/W
57	56, [0038]	1-On, 0-Off	AutoFan	0-Off, R/W
58	57, [0039]	1-Disable, 0-Off	DisableCtrlOutput	0-Off, R
59	58, [003A]	1-On, 0-Off	DeiceInCool	0-Off, R
60	59, [003B]	1-On, 0-Off	DeiceInHeat	0-Off, R
61	60, [003C]	1-On, 0-Off	DelayCompressor	0-Off, R
62	61, [003D]	1-On, 0-Off	OverheatInCool	0-Off, R
63	62, [003E]	1-On, 0-Off	OverheatInHeat	0-Off, R
64	63, [003F]	1-Unoccupancy, 0-Off	UnOccupancy	0-Off, R
65	64, [0040]	1-Restore, 0-Off	RestoreDefault	0-Off, R/W