HTC307

RS485 MODBUS Addresses

SELEC®
Creating Best Value

Read Coil Status (Function Code :- 01)

Address	Hex Address	Variable Name	Coil status		Para Type
			0	1	
01	1	Temp Unit	ºC	ºF	R
02	2	Temp resolution	1	0.1	R
03	3	Temp relay mode	FD	RE	R
04	4	ARW	AUTO	MANUAL	R
06	6	Humidity input type	HS-A-100	OTHER	R
07	7	Humidity resolution	1	0.1	R
09	9	Alarm_1 energize	ENERGIZE	DE-ENERGIZE	R
10	A	Alarm_2 energize	ENERGIZE	DE-ENERGIZE	R
21	15	Program access settings	LEVEL	ONLINE	R

Read Input Status (Function Code :- 02)

Address	Hex Address	Variable Name	Para Type
30001	1	TEMPERATURE OVER RANGE	R
30002	2	TEMPERATURE UNDER RANGE	R
30003	3	HUMIDITY OVER RANGE	R
30004	4	HUMIDITY UNDER RANGE	R
30005	5	RELAY1_STATUS	R
30006	6	RELAY2_STATUS	R
30007	7	RELAY3_STATUS	R
30008	8	RELAY4_STATUS	R

INPUT REGISTER (Function Code :- 04)

Variables in INT & DINT

Address	Hex Address	Parameter	Signed/ Unsigned	Data Structure	Description
30001	1	Temperature Relay1 Status	Unsigned	DINT	Output Status = 1/0
30003	3	Humidity Relay2 Status	Unsigned	DINT	Output Status = 1/0
30005	5	Output Percentage	Unsigned	DINT	OUTPUT PERCENTAGE = %pid
30007	7	Temperature Final	Signed	DINT	TEMPERATURE Final PV
30017	11	Humidity final PV	Signed	DINT	HUMIDITY FINAL PV
30011	B	Temperature final PV	Signed	INT	Final PV
30012	C	Temperature Relay1 Status	Signed	INT	Output Status = 1/0
30013	D	Humidity Relay2 Status	Signed	INT	Output Status = 1/0
30014	E	Output Percentage	Signed	INT	OUTPUT PERCENTAGE = %pid
30021	15	Humidity final PV	Signed	INT	HUMIDITY FINAL PV

HOLDING REGISTER (Function Code :- 10)

Address	Hex Address	Parameter	Data Size (Data type)	Signed/ Unsigned	Para Type	Range
40032	20	Temp. Set value	4 Byte	Signed	R/W	-100 to 8500
40034	22	Humi. Set value	4 Byte	Unsigned	R/W	0 to 1000
40036	24	Alarm1 Set_value	4 Byte	Signed	R/W	-100 to 8500
40038	26	Alarm2 Set_value	4 Byte	Signed	R/W	-100 to 8500
40064	40	Humi. DSCL	2 Byte	Signed	R/W	0 to 1000
40065	41	Humi. ISCL	2 Byte	Unsigned	R/W	0 to 10.00
40066	42	Humi. DSCH	2 Byte	Signed	R/W	0 to 1000
40067	43	Humi. ISCH	2 Byte	Unsigned	R/W	0 to 10.00
40068	44	Humi. SPHL	2 Byte	Signed	R/W	0 to 100
40069	45	Humi. SPLL	2 Byte	Signed	R/W	0 to 100
40070	46	Humi. PV bias	2 Byte	Signed	R/W	-1000 to 1000
40071	47	Humi. Timer	2 Byte	Unsigned	R/W	0.0 to 99.9
40072	48	PB-C	2 Byte	Unsigned	R/W	0.0 to 400.0
40073	49	Cycle time_cool	2 Byte	Unsigned	R/W	0.1 to 100.0
40074	4A	Hysteresis _HSET	2 Byte	Unsigned	R/W	0.1 to 99.9
40079	4F	Pb-1	2 Byte	Unsigned	R/W	0 to 400.0
40080	50	It-1	2 Byte	Unsigned	R/W	0 to 3600
40081	51	Dt-1	2 Byte	Unsigned	R/W	0 to 200
40086	56	Temp. SPHL	2 Byte	Unsigned	R/W	-100 to 850
40087	57	Temp. SPLL	2 Byte	Unsigned	R/W	-100 to 850
40088	58	PV bias	2 Byte	Signed	R/W	-999 to 999
40089	59	Timer	2 Byte	Unsigned	R/W	0.0 to 99.9
40090	5A	Cycle time_user	2 Byte	Unsigned	R/W	0.1 to 100.0
40091	5B	Anti reset windup percentage	2 Byte	Unsigned	R/W	20.0 to 100.0
40092	5C	Manual reset	2 Byte	Signed	R/W	(For 0.1 resolution) -99.9 to 99.9 (For 1 resolution) 99 to 99
40093	5D	Hysteresis_tSet	2 Byte	Unsigned	R/W	0.1 to 99.9
40096	60	Hysteresis _AL1	2 Byte	Unsigned	R/W	0.1 to 99.9
40097	61	Hysteresis _AL2	2 Byte	Unsigned	R/W	0.1 to 99.9
40108	6C	User ID	2 Byte	Unsigned	R/W	0 to 9999
40114	72	Set 1_value	2 Byte	Signed	R/W	-199 to 9999
40115	73	Set 2 value	2 Byte	Signed	R/W	-199 to 9999

Address	Hex Address	Parameter	Data Size (Data type)	Signed/ Unsigned	Para type	Range
40116	74	Set3_value	2 Byte	Signed	R/W	-199 to 9999
40117	75	Set4_value	2 Byte	Signed	R/W	-199 to 9999
40128	80	Lower display index	1 Byte	Unsigned	R/W	Humi. PV=0 TSET=1 HSET=2 AL1=3 AL2=4 TUNE=5 PB-1=7 IT-1=8 DT-1=9 PB-C=11 PERC=13 ºC=15 BLNK=30
40129	81	Humi. Input Type	1 Byte	Unsigned	R/W	HS-A-100=0 Other=1
40130	82	Humi. Resolution	1 Byte	Unsigned	R/W	1=0, 0.1=1
40131	83	Humi. Filter time constant	1 Byte	Unsigned	R/W	OFF=0 1 to 99
40132	84	Hysteresis bias _Hset	1 Byte	Signed	R/W	-9.9 to 9.9
40133	85	Humi. HSET mode	1 Byte	Unsigned	R/W	Dehumi=1 Humi=2
40134	86	Temp. Resolution	1 Byte	Unsigned	R/W	1=0 0.1=1
40135	87	Temp.Filter time constant	1 Byte	Unsigned	R/W	OFF=0 1 to 99
40136	88	Auto tune	1 Byte	Unsigned	R/W	OFF=0 ST=1 AT=2 ADT=3
40137	89	Tune%	1 Byte	Unsigned	R/W	P.AU 75 to 100
40138	8A	Power Low_Tset	1 Byte	Signed	R/W	0 to 100
40139	8B	Power High_Tset	1 Byte	Unsigned	R/W	Output power low limit to 100
40142	8E	DAC	1 Byte	Unsigned	R/W	0.5 to 5.0
40143	8F	Cycle Time	1 Byte	Unsigned	R/W	User=1 USP.F=2 A 15.0=0
40144	90	Hysteresis bias_TSet	1 Byte	Signed	R/W	-9.9 to 9.9

Address	Hex Address	Parameter	Data Size (Data type)	Signed/ Unsigned	Para type	Range
40146	92	Alarm 1_mode	1 Byte	Unsigned	R/W	OFF=0 D.HI1=1 D.HI2=2 D.LO1=3 D.LO2=4 BND1=5 BND2=6 HA=7 LA=8 S.b.rk=9 S.b.rk=10
40147	93	Hysteresis bias _AL1	1 Byte	Signed	R/W	-9.9 to 9.9
40148	94	Alarm 2_mode	1 Byte	Unsigned	R/W	OFF=0 D.HI1=1 D.HI2=2 D.LO1=3 D.LO2=4 BND1=5 BND2=6 HA=7 LA=8 S.b.rk=9 S.b.rk=10
40149	95	Hysteresis bias_AL2	1 Byte	Signed	R/W	-9.9 to 9.9
40163	A3	Lock_access_ TSET	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40164	A4	Lock_access_ HSET	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40165	A5	Lock_access_ AL1	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40166	A6	Lock_access_AL2	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40167	A7	Lock_access_AT	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40169	A9	Lock_access_ PB_main	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2

Address	Hex Address	Parameter	Data Size (Data type)	Signed/ Unsigned	Para type	Range
40170	AA	Lock_access_ IT_main	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40170	AA	Lock_access_ IT_main	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40171	AB	Lock_access_ DR_main	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40172	AC	Lock_access_ Manual_RST	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40173	AD	Lock_access_ PB_C	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40174	AE	Lock_access_L0	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40175	AF	Lock_access_L1	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40176	B0	Lock_access_L2	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2
40178	B2	Lock_access_L5	1 Byte	Unsigned	R/W	UNLK=0 READ=1 LOCK=2