

Modbus T1100 Configuration Properties

Modbus Object Type: Holding Registers

Name	Default	Min	Max	Units	Modbus Reg #	Multiplier	Focus Screen	Notes
Device Type	4	4	4	None	1	1	Device	(Not writable) 4=Thermostat
Soft Version	7.1	0	655.35	None	2	100	Device	(Not writable)
Hard Version	1	0	655.35	None	3	100	Device	(Not writable) 1=T1100
Default Heat SP	21.5	5	30	deg C	4	100	Setpoints	
Default Cool SP	22.5	5.5	45	deg C	5	100	Setpoints	
Proportional	30	0	10	deg C	6	100	Setpoints	
Cooling Integral	15	0	120	min	7	1	Setpoints	
Heating Integral	15	0	120	min	8	1	Setpoints	
Min Heat SP	19	5	30	deg C	9	100	Setpoints	
Max Heat SP	25	6	44.5	deg C	10	100	Setpoints	
MinCoolSP	20	5.5	44	deg C	11	100	Setpoints	
MaxCoolSP	26	6.5	45	deg C	12	100	Setpoints	
Unoc Heat Offset	3	0	20	deg C	13	100	Setpoints	
Unoc Cool Offset	5	0	20	deg C	14	100	Setpoints	
Unoc Heat SP Lim	15	5	30	deg C	15	100	Setpoints	
Unoc Cool SP Lim	30	5.5	45	deg C	16	100	Setpoints	
Digital Out Source	0	0	8	None	17	1	Digital Output	0=Demand / 1=Occupancy / 2=OccNightSP / 3=Math1 / 4=Math2 / 5=Math3 / 6=Math4 / 7=Math5 / ELSE=OFF
Digital Out SP	50	-95	95	%	18	1	Digital Output	
Digital Out Mode	1	0	1	None	19	1	Digital Output	0=Proportionnal / 1=Differential
Digital Out Band	40	5	99	%	20	1	Digital Output	
Digital Out Rev Act	0	0	1	None	21	1	Digital Output	
Analog Out Source	0	0	8	None	22	1	Analog Output	0=Demand / 1=Occupancy / 2=OccNightSP / 3=Math1 / 4=Math2 / 5=Math3 / 6=Math4 / 7=Math5 / ELSE=OFF

Analog Out SP	25	-95	95 %	23	1	Analog Output	
Analog Out Mode	0	0	1 None	24	1	Analog Output	0=Proportionnal / 1=Differential
Analog Out Band	75	5	99 %	25	1	Analog Output	
Analog Out Rev Act	0	0	1 None	26	1	Analog Output	
Analog Out Pulsed	0	0	1 None	27	1	Analog Output	
Analog Out Range	0	0	2 None	28	1	Analog Output	0=0-10V / 1=2-10V / 2=0-5V
Group Code 1	0	0	250 None	29	1	Group Codes	
Group Code 2	0	0	250 None	30	1	Group Codes	
Group Code 3	0	0	250 None	31	1	Group Codes	
Group Weight 1	0	0	15 None	32	1	Group Codes	
Group Weight 2	0	0	15 None	33	1	Group Codes	
Group Weight 3	0	0	15 None	34	1	Group Codes	
Global Weight	1	0	15 None	35	1	Group Codes	
Room Temp Calib	0	-20	20 deg C	36	100	Calibration	
Unoc Mode Override Time	0	0	250 min	37	1	Setpoints	
Rad Floor ID	0	0	2 None	38	1	Radiant Floor	0=NONE / 1=Digital Output / 2=Analog Output
Min Slab Temp	21	5	30 deg C	39	100	Radiant Floor	
Max Slab Temp	27	5	30 deg C	40	100	Radiant Floor	
Min Slab Temp Unoc	19	5	30 deg C	41	100	Radiant Floor	
Out Temp Radiant Cutoff	15	5	30 deg C	42	100	Radiant Floor	
Radiant Prop	1	0	10 deg C	43	100	Radiant Floor	
Radiant Integral	60	0	600 min	44	1	Radiant Floor	
Calibrate Slab Temp	0	-15	15 deg C	45	100	Radiant Floor	
Radiant Cycle Time	15	0	600 min	46	1	Radiant Floor	
Analog Input Mode	0	0	2 None	47	1	Calibration	0=Internal sensor only / 1=External sensor only / 2=Average of internal and external sensors
Morning Warm Up Time	0	0	250 min	48	1	Calibration	

Address	101	1	127	None	49	1	Device	
Location	0	0	0	None	52	1	Device	Each reg holds 2 chars -- 16 chars max -- 8 regs --regs 52-59
Baud Rate	3	0	5	None	60	1	COM port	0=9600 / 1=19200 / 2=38400 / 3=57600 / 4=76800 / 5=115200
Parity	0	0	2	None	61	1	COM port	0=NONE / 1=ODD / 2=EVEN
Stop Bits	0	0	1	None	62	1	COM port	0=1 Stop Bit / 1=2 Stop Bits
Language	0	0	1	None	64	1	Device	0=English / 1=French
Digital Out Override	255	0	255	%	75	1	Visualisation	Write number from 0-100 to override output to that value. Write greater than 100 to return to AUTO mode.
Analog Out Override	255	0	255	%	76	1	Visualisation	Write number from 0-100 to override output to that value. Write greater than 100 to return to AUTO mode.
Schedule Override	255	0	255	None	77	1	Visualisation	0=UNOCCUPIED / 1=OCCUPIED / ELSE=AUTO
Reset	0	0	1	None	100	1	Device	Writing a 1 here will command the device to reset itself
Reprogram	0	0	255	None	101	1	Device	Writing 255 to this address causes the device to enter bootloader mode (warning: cannot be returned from without Focus)

Modbus
T1100 Network Variable Outputs

Modbus Object Type: Input Registers

Name	Units	Modbus Reg #	Multiplier	Notes
Zone Temp	deg C	1	100	
HeatSP	deg C	2	100	
CoolSP	deg C	3	100	
Demand	%	4	1	
Digital Output Action	%	5	1	
Analog Output Action	%	6	1	
Occupancy	None	7	1	0=Unoccupied / 1=Occupied
Occupancy Override Status	None	8	1	0=AUTO / 1=Override active
Slab Temp	deg C	9	100	

Modbus
T1100 Network Variable Inputs

Modbus Object Type: Holding Registers

Name	Units	Modbus Reg #	Multiplier	Notes
Occupancy Input	None	136	1	Allows the occupancy to be set by another network device (0=Unoccupied, 1=Occupied, 2=AUTO)
Outside Temp Input	deg C	139	100	Allows the outside temp to be set by another network device. Set to 0x7FFF to invalidate.