

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	7.6	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	-30	55	deg C	4	100	Setpoints	
Default Cool SP	22.5	-29.5	70	deg C	5	100	Setpoints	
Proportional	3	0	50	deg C	6	100	Setpoints	
Cooling Integral	30	0	120	min	7	1	Setpoints	
Heating Integral	30	0	120	min	8	1	Setpoints	
Min Heat SP	19	-30	55	deg C	9	100	Setpoints	
Max Heat SP	25	-30	55	deg C	10	100	Setpoints	
MinCoolSP	20	-29.5	70	deg C	11	100	Setpoints	
MaxCoolSP	26	-29.5	70	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	-30	55	deg C	15	100	Setpoints	
Unoc Cool SP Lim	30	-29.5	70	deg C	16	100	Setpoints	
Digital Out Source	0	0	9	None	17	1	Digital Output	0=Demand / 1=Occupancy / 2=OccNightSP / 3=Math1 / 4=Math2 / 5=Math3 / 6=Math4 / 7=Math5 / 8=OFF / 9=DISCH_CTRL
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	9	None	22	1	Analog Output	0=Demand / 1=Occupancy / 2=OccNightSP / 3=Math1 / 4=Math2 / 5=Math3 / 6=Math4 / 7=Math5 / 8=OFF / 9=DISCH_CTRL

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 Aux Input 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	
Temp Unit	1	0	0 None	50	1	Device	0=Celsius / 1=Fahrenheit
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
Discharge Min SP	13	-30	65 deg C	65	100	Digital Output	
Discharge Mid SP	21	-30	65 deg C	66	100	Digital Output	
Discharge Max SP	30	-30	65 deg C	67	100	Digital Output	
Discharge Min Dem	-100	-100	100 %	68	1	Digital Output	
Discharge Mid Dem	0	-100	100 %	69	1	Digital Output	
Discharge Max Dem	100	-100	100 %	70	1	Digital Output	
Discharge Proportional	20	0	80 deg C	71	100	Digital Output	
Discharge Integral	15	0	60 min	72	1	Digital Output	
Discharge Mode	0	0	2 None	73	1	Digital Output	0=HEAT / 1=COOL / 2=HEAT WITH COOLING-DISABLE
Integral Dropoff Rate	3	0	4 None	74	1	Setpoints	0=Slow, 4=Fast
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/Discharge Temp	deg C	9	100	
Discharge SP	deg C	10	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.