

## Modbus Humidifier Configuration Properties

### Modbus Object Type: Holding Registers

Name	Default	Min	Max	Units	Modbus Reg #	Multiplicator	Focus Screen	Notes
DeviceType	7	7	7	None	1	1	Device	(Not writable) 7=Humidifier
Soft Version	7.4	0	655.35	None	2	100	Device	(Not writable)
Hard Version	2.5	0	6553.5	None	3	10	Device	(Not writable) 1=VC1000 / 2.0=C1000 / 2.1=VC1000 Light / 2.5=C1050
Min Humidity SP	25	10	65	%RH	4	1	Humidifier	
Max Humidity SP	35	20	80	%RH	5	1	Humidifier	
Outside Temp Min	-20	-40	40	deg C	6	100	Humidifier	
Outside Temp Max	13	-40	40	deg C	7	100	Humidifier	
Request Fan Enabled	0	0	1	None	8	1	Humidifier	
Fan Restart Offset	3	0	50	%RH	9	1	Humidifier	
Supply High Limit Enabled	0	0	1	None	10	1	Limits	
Supply High Modulating Limt	70	0	100	%RH	11	1	Limits	
Supply High Absolute Limit	85	1	100	%RH	12	1	Limits	
Supply High Restart	60	0	99	%RH	13	1	Limits	
Outside Temp High Limit	13	-40	40	deg C	14	100	Limits	
Humidity Differential	6	2	99	%RH	15	1	Humidifier	
Humidity Proportional	6	0	30	%RH	16	1	Humidifier	
Humidity Integral	30	0	100	min	17	1	Humidifier	
Analog Output Reverse Acting	0	0	1	None	18	1	Humidifier	
Analog Output Range	0	0	1	None	19	1	Humidifier	0=0-10VDC / 1=2-10VDC
Analog Output Pulsed	0	0	1	None	20	1	Humidifier	
Net Baud	3	0	5	None	21	1	Baud Rate	0=9600 / 1=19200 / 2=38400 / 3=57600 / 4=76800 / 5=115200

Net Parity	0	0	2 None	22	1	Baud Rate	0=NONE / 1=ODD / 2=EVEN
Net StopBits	0	0	1 None	23	1	Baud Rate	0=1 Stop Bit / 1=2 Stop Bits
RJ45 Baud	3	0	5 None	24	1	Baud Rate	0=9600 / 1=19200 / 2=38400 / 3=57600 / 4=76800 / 5=115200
RJ45 Parity	0	0	2 None	25	1	Baud Rate	0=NONE / 1=ODD / 2=EVEN
RJ45 StopBits	0	0	1 None	26	1	Baud Rate	0=1 Stop Bit / 1=2 Stop Bits
Outside Temp Offset	0	-20	20 deg C	27	100	Calibration	
Supply Humidity Offset	0	-50	50 %RH	28	1	Calibration	
Return Humidity Offset	0	-50	50 %RH	29	1	Calibration	
Location	0	0	0 None	30	1	Device	Each reg holds 2 chars -- 16 chars max -- 8 regs --regs 30-37
Dehumidification SP	60	0	100 %RH	38	1	Humidifier	
Dehumidification Diff	6	2	99 %RH	39	1	Humidifier	
Dehum Request Fan Enabled	0	0	1 None	40	1	Humidifier	
Dehum Fan Restart Offset	3	0	50 %RH	41	1	Humidifier	
Outside Temp Low Limit	0	-40	40 deg C	42	100	Limits	
Dehumidification Proportional	5	2	99 %RH	43	1	Humidifier	
Dehumidification Integral	20	0	250 min	44	1	Humidifier	
Enable Dehumidification Seq	1	0	1 None	45	1	Humidifier	
Humidifier Override	255	0	255 %RH	75	1	Visualisation	To disable override, set to value greater than 100. Digital output only turns ON for an override of 100%.
Dehumidifer override	255	0	255 None	76	1	Visualisation	0=OFF, 1=ON, 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)
Locked Address	0	0	127 None	140	1	Device	Saved address (overrides physical dipswitch address). Set to 0 to return to physical address.

Humidity Sensor Location	1	0	1	None	150	1	Visualisation	0=In Zone / 1=In Return Duct (Only affects Focus Display Screen)
Show Fan	1	0	1	None	151	1	Visualisation	0=Hide Fan / 1=Show Fan (Only affects Focus Display Screen)
Show Outside Sensor	1	0	1	None	152	1	Visualisation	0=Hide Outside Sensor / 1=Show Outside Sensor (Only affects Focus Display Screen)
Humidity Output Mode	1	0	2	None	153	1	Visualisation	0=Use Digital Output / 1=Use Modulating Output / 2=No Humidification Output
Show Valve	0	0	1	None	154	1	Visualisation	0=Show Humdifier / 1=Show Valve (Only affects Focus Display Screen)

**Modbus**  
**Humidifier Network Variable Outputs**

Modbus Object Type: Input Registers

Name	Units	Modbus Reg #	Mult	Notes
Return Humidity	%RH	1	1	
Outside Temperature	deg C	2	100	
Supply Humidity	%RH	3	1	
Digital Output Action	None	4	1	0=Ouptut OFF / 1=Output ON
Analog Output Action	%	5	1	
Return Humidity Setpoint	%RH	6	1	
Proof of Fan	None	7	1	0=No Proof / 1=Proof
Dehumidification Request	None	8	1	0=No demand, 1=Demand
Dehumidification Demand	%	9	1	

**Modbus**  
**Humidifier Network Variable Inputs**

Modbus Object Type: Holding Registers

Name	Units	Modbus Reg #	Mult	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.