


Command Set

; to start a command

ST	STatus	Show the Current Operating Status
RS	ReSet to Factory Defaults	
SV	SaVe changes	
AD=x	AD dress for modbus/SmartONE	1
MM=x	MM odbus MM ode	1=ASCII, 2=RTU
SP=x	SP eed	x=the speed code
LK=x	LK ock with x	
UL=x	UL ock with code x	153
TC=xx	TC hermistor Curve	0=10, 1=47
VC=x	VC ount	0=2, 2=2, 1=4, 4=4
AW=x	AW astat Wait	240
AF=x	AF astat Flush	10
AT=x	AT astat Type	1=open is hot 0=open is cold
FT=x	FT ype NC = Dry	0 for normally open, 1 for normally closed
ZT=x	ZT ype NO = Hot	0 for normally open, 1 for normally closed
DT=x	DT ype NC = Dry	0 for normally open, 1 for normally closed
LT=xxx	LT ow Temperature Setting FA (-5)	When LT and HT are non-zero, fresh air fan speed varies between FL and FT
HT=xxx	HT igh Temperature Setting FA (20)	
FH=xxx	FH resh air fan H igh speed	70 fan output control voltage in tenths
FL=xxx	FL resh air fan L ow speed	15 fan output control voltage in tenths
FD=xxx	FD resh air fan D efrost speed	0 fan output control voltage in tenths
SH=xxx	SH ale air fan H igh speed	75 fan output control voltage in tenths
SL=xxx	SL ale air fan L ow speed	20 fan output control voltage in tenths
SD=xxx	SD ale air fan D efrost speed	75 fan output control voltage in tenths
CT=xxx	CT ycle Time for the damper	1440 In minutes.
RT=xxx	RT est Time for the damper	5 In minutes.
DM=xx	DM efrost M inutes	5
DT=xx	DT efrost at T emperature	12
TM=xx	TM haw M inutes	90
TT=xx	TT haw at T emperature	0
EH=xxx	EH CM H igh speed	100
EM=xxx	EM CM M edium speed	70
EL=xxx	EL CM L ow speed	20
EU=xxx	EU CM U ltra-low speed	40
XH=x	X -over Temp from SP for H igh	4
XM=x	X -over Temp from SP for M edium	2
XL=x	X -over Temp from SP for L ow	1

Error Codes

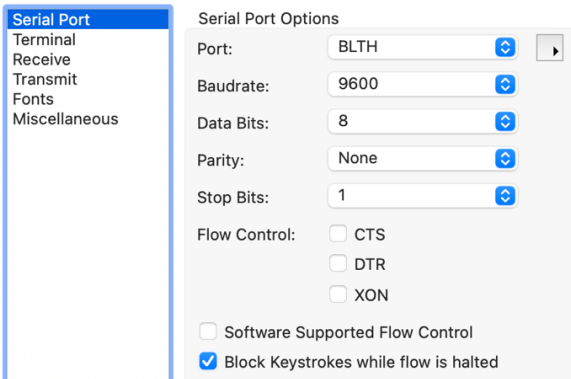
Green LED	Red LED	LED Warning - Instructions
1 Flash	Off	2-Pipe
2 Rapid Flashes	Off	4-Pipe
2 Rapid Flashes	On - Solid	4-Pipe HRV thermostat not connected
Off	Rapid Flashes	Flood
Off	Pulse Flash	Float
Off	Slow Flashes	Freeze
1 Alternating Flash	1 Alternating Slow Flash	2-Pipe AQ Wrong State

Sample Output

Output	Instructions
OMACHRON 4P 7Wire ERV Operating FCUU_V42_HRV_4P_10K_100CFM_7WIRE MODBUS Address AD=1 Mode MM=1 Speed=0 Dfst Temp DT= 12'C Time DM= 5min Thaw Temp TT= 0'C Time TM= 90min Fresh Air FH= 80 FL= 35 FD= 0 Stale Air SH= 95 SL= 35 SD= 95 Main Blwr EH=100 EM= 70 EL= 40 EU= 20 Blwr Xovr XH= 4 XM= 2 XL= 1 Sensors AT= 1 FT= 1 ZT= 0 LT= 1 Aqua Wait AW=240min Aqua Flush AF= 10min Damper Rest RT=5 Total Cycle CT=1440 TC=0 Thermistor=10K ===== Current Speed FA=35 SA=35 ECM=70 Current Temps FA=No/C RM=No/C T3=No/C T4=No/C Thermostat Input W1 Y0 G010 A0 T0 Auxiliary Inputs D0 Z0 F0 Q1 X-00 Control Outputs V10 G1010 E1 Control Ports V01 G1101 E1 Aquastat Q1 HOT Normal HRV Running FAULT Temp -6.0'C x1ffe x0000 Damper Open Time rem 1439:33	Board Model Running These items can be updated by the user These items represent the current status of the control board

CoolTerm Settings

Instructions



Serial Port Options

Port: BLTH

Baudrate: 9600

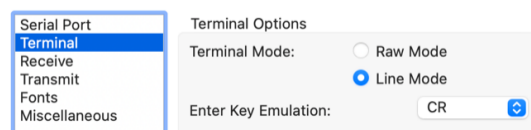
Data Bits: 8

Parity: None

Stop Bits: 1

Flow Control: CTS
 DTR
 XON

Software Supported Flow Control
 Block Keystrokes while flow is halted



Terminal Options

Terminal Mode: Raw Mode
 Line Mode

Enter Key Emulation: CR

- Set the serial port as shown. Select the port for your device.

- For RS485 devices, set the Terminal Mode as shown for Line Mode.
- With an RS485 device, the wall pad or other device must not be connected or turned on. Your setup computer must be the only device connected.
- For 7-wire devices, use Line Mode or Raw Mode.