

Variable	Start Header	Variable	Data Length	Data, sent using ASCII (No Error)	Carriage Return	Checksum
TX Data	HEX	HEX	ASCII	ASCII	HEX	Single Byte Checksum (HEX)
timeformat	0x01	0x41	1	1 = AM/PM, 2 = 24HR	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
dateformat	0x01	0x42	1	1 = MON/DD/YY, 2 = DD/MON/YY, 3 = DD/MM/YY, 4 = MM/DD/YY	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
SetPurgePoints	0x01	0x43	2	Number of Points, 01 - 20	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Password	0x01	0x44	4	4 digits 0-9 (####)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Baud	0x01	0x45	1	1 = 9600, 2 = 19200	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Parity	0x01	0x46	1	1 = ODD, 2 = EVEN	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Temp_Scale	0x01	0x47	1	1 = C, 2 = F	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Backlight_Pct	0x01	0x48	3	Backlight percentage, 000 - 100%	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Contrast_Pct	0x01	0x49	3	Contrast percentage 000 - 100%	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Temp1_Offset	0x01	0x4A	2 (3)	Temperature Offset -30 to 30	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Pressure_Max	0x01	0x4B	3	Pressure max in PSI, 300 to 750	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Pressure_Min	0x01	0x4C	2	Pressure min in PSI, 00 to 50	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
PurgeType	0x01	0x4D	1	1 = AUTO, 2 = MANUAL, 3 = TIME BASED	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TimeModeStartHour	0x01	0x4E	2	Start Hour, 00 to 23	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TimeModeStartMin	0x01	0x4F	2	Start Minute, 00 to 59	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TimeModeEndHour	0x01	0x50	2	Stop Hour, 00 to 23	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TimeModeEndMin	0x01	0x51	2	Stop Minute, 00 to 59	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Language	0x01	0x52	1	1 = ENGLISH, 2 = FRENCH, 3 = SPANISH, 4 = PORTUGUESE, 5 = GERMAN, 6 = CHINESE	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current_Min	0x01	0x53	2	Current Time Minutes, 00 to 59	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current_Hour	0x01	0x54	2	Current Time Hours, 00 to 23	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current_DoW	0x01	0x55	1	Current Time Day of Week (0 is Sunday, 1 is Monday, 2 is Tuesday, 3 is Wednesday, 4 is Thursday, 5 is Friday, 6 is Saturday)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current_Date	0x01	0x56	2	Current Day of Month, 01 to 31 (set month and year first to ensure that the day of month is valid for the current month)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current_Month	0x01	0x57	2	Current Month, 01 to 12	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current_Year	0x01	0x58	2	Current Year, 00 to 99	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
PowerUpTimerComplete	0x01	0x59	1	0 = Not Complete, 1 = Complete	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
SleepMode	0x01	0x5A	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
SleepTimeMins	0x01	0x5B	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
SleepTimeHours	0x01	0x5C	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TargetVentPressure	0x01	0x5D	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TargetResetPressure	0x01	0x5E	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ActualPressure	0x01	0x5F	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
LiquidState	0x01	0x60	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
VentState	0x01	0x61	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ActivePoint	0x01	0x62	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ActivePointMinutes	0x01	0x63	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ActivePointSeconds	0x01	0x64	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ActualTemp	0x01	0x65	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
PurgeTime	0x01	0x66-0x79 (20 points)	2	Purge times, valid data is 05, 10, 15, 20	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
CurrentPgPtVents	0x01	0x7A	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
CurrentPgPtHours	0x01	0x7B	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
CurrentPgPtMins	0x01	0x7C	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
CurrentPgPtSecs	0x01	0x7D	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ReadHistory	0x01	0x7E	5	2 Bytes for Week (00 = current, 01 = one week ago thru 12 = twelve weeks ago). 2 Bytes for Purge Point to retrieve history for (01 to 20). One Byte for Day of Week (0 = SUN, 6 = SAT)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
InitScreen	0x01	0x7F	0	No Data, Read Only	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Terminate Point	0x01	0x80	1	1 = Terminate Current Point, 2 = Terminate Cycle	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Initiate Point	0x01	0x81	2	2 Bytes are for the purge point number 01-20.	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
InitScreenControl	0x01	0x82	1	0 = Do nothing (not filling Bubbler) 1 = Exit Init Screen, 2 = Filling Bubbler	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n

Variable	Start Header	Variable	Data Length	Data, sent using ASCII (No Error)	Carriage Return	Checksum
TX Data	HEX	HEX	ASCII	ASCII	HEX	Single Byte Checksum (HEX)
timeformat	0x01	0x41	1	1 = AM/PM, 2 = 24HR	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
dateformat	0x01	0x42	1	1 = MON/DD/YY, 2 = DD/MON/YY, 3 = DD/MM/YY, 4 = MM/DD/YY	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
SetPurgePoints	0x01	0x43	2	Number of Points, 01 - 20	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Password	0x01	0x44	4	4 digits 0-9 (####)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Baud	0x01	0x45	1	1 = 9600, 2 = 19200	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Parity	0x01	0x46	1	1 = ODD, 2 = EVEN	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Temp_Scale	0x01	0x47	1	1 = C, 2 = F	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Backlight_Pct	0x01	0x48	3	Backlight percentage, 000 - 100%	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Contrast_Pct	0x01	0x49	3	Contrast percentage 000 - 100%	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Temp1_Offset	0x01	0x4A	2 (3)	Temperature Offset -30 to 30	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Pressure_Max	0x01	0x4B	3	Pressure max in PSI, 300 to 750	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Pressure_Min	0x01	0x4C	2	Pressure min in PSI, 00 to 50	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
PurgeType	0x01	0x4D	1	1 = AUTO, 2 = MANUAL, 3 = TIME BASED	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TimeModeStartHour	0x01	0x4E	2	Start Hour, 00 to 23	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TimeModeStartMin	0x01	0x4F	2	Start Minute, 00 to 59	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TimeModeEndHour	0x01	0x50	2	Stop Hour, 00 to 23	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TimeModeEndMin	0x01	0x51	2	Stop Minute, 00 to 59	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current_Min	0x01	0x53	2	Current Time Minutes, 00 to 59	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current_Hour	0x01	0x54	2	Current Time Hours, 00 to 23	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current_DoW	0x01	0x55	1	Current Time Day of Week (0 is Sunday, 1 is Monday, 2 is Tuesday, 3 is Wednesday, 4 is Thursday, 5 is Friday, 6 is Saturday)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n

Current Date	0x01	0x56	2	Current Day of Month, 01 to 31 (set month and year first to ensure that the day of month is valid for the current month)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current Month	0x01	0x57	2	Current Month, 01 to 12	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
Current Year	0x01	0x58	2	Current Year, 00 to 99	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
SleepMode	0x01	0x5A	1	1 = In Sleep Mode, 0 = Normal	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
SleepTimeMins	0x01	0x5B	2	Sleep Minute, 00 to 59	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
SleepTimeHours	0x01	0x5C	2	Sleep Hour, 00 to 99	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TargetVentPressure	0x01	0x5D	4	0 to 999.9 PSI (9999 = 999.9 PSI)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
TargetResetPressure	0x01	0x5E	4	0 to 999.9 PSI (9999 = 999.9 PSI)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ActualPressure	0x01	0x5F	4	0 to 999.9 PSI (9999 = 999.9 PSI)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
LiquidState	0x01	0x60	1	1 = Liquid Relay On, 0 = Off	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
VentState	0x01	0x61	1	1 = Vent Relay On, 0 = Off	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ActivePoint	0x01	0x62	2	Active Purge Point (01-20)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ActivePointMinutes	0x01	0x63	2	Active Purge Point Mins Remaining (00-59)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ActivePointSeconds	0x01	0x64	2	Active Purge Point Secs Remaining (00-59)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ActualTemp	0x01	0x65	3	Current Temperature(-99 to 999)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
PurgeTime	0x01	0x66-0x79 (20 points)	2	Purge times, valid data is 05, 10, 15, 20	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
CurrentPgPtVents	0x01	0x7A	3	Number of Vents for Current Point Today (000-999)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
CurrentPgPtHours	0x01	0x7B	2	Number of Hours for Current Point Today (00-99)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
CurrentPgPtMins	0x01	0x7C	2	Number of Hours for Current Point Today (00-59)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
CurrentPgPtSecs	0x01	0x7D	2	Number of Hours for Current Point Today (00-59)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
ReadHistory	0x01	0x7E	9	3 Bytes for Number of Vents(000-999), 2 Bytes for the Hours (00-99), 2 Bytes for Minutes (00-59) and 2 Bytes for Seconds (00-59)	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n
InitScreen	0x01	0x7F	1	1 = On Init Screen, 0 = Not on Init Screen	0x0D	=VALUE(1) * 1 + VALUE(2) * 2 + VALUE(n) * n

ASCII To Hex Conversion	
ASCII Number	Hex Value
0	0x30
1	0x31
2	0x32
3	0x33
4	0x34
5	0x35
6	0x36
7	0x37
8	0x38
9	0x39