



LOCAL ACCESS DISPLAY TABLE

Software Version: UCH-SHC-HR.010a.13

Product Line:

UCH

Chiller Type:

Simul. Heat Recovery

6 Pipe

STANDBY

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
ClimaCool Corp. CoolLogic						
Date:						
Time:						
Cool WtrOut: (F)	CHWS Out Temp Status	chws_stat_1	51.5			FALSE
/Heat Wtr Out: (F)	CWR Out Status	cwr_stat_1	120.6			FALSE
SrcWtr Out: (F)						
/Press any key to begin	SWR Out Status	swr_stat_1	105.7			FALSE

HOME

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Heat Recov Status:						
/#HtRec Stg Req:	Chiller Heat Rec Run Cmd	run_heat_rec_1	On	Off, On		FALSE
Cool Prior Status:						
/ #Cool Stg Req:	Chiller Cool Run Cmd	run_cool_1	On	Off, On		FALSE
Heat Prior Status:						
/ #Heat Stg Req:	Chiller Heat Run Cmd	run_heat_1	On	Off, On		FALSE
Cool Water In : (F)						
/Cool WatFlow:	Evap Flow SW	evap_flow_1	On	No, Yes		FALSE
Cool Wtr Out: (F)	CHWS Out Temp Status	chws_stat_1	51.5			FALSE
/Cool Setpt : (F)	Active CHW Setpoint	chw_stp_stat_1	45.0 °F			FALSE
Heat Wtr In :						
F /Heat Wat Flow:	Heat Fl	cond_flow_1	On	No, Yes		FALSE
Heat Wtr Out: (F)	CWR Out Status	cwr_stat_1	120.6			FALSE
/Heat Setpt: (F)	Active Htg Setpoint	cw_stp_stat_1	125.0 °F			FALSE
Sourc WtrIn: (F)						
/Source Wat Flow:	Source Flow SW	source_flow_1	On	No, Yes		FALSE
Sourc Wtr Out: (F) (/)	SWR Out Status	swr_stat_1	105.7			FALSE
Demand Limit Max #of Cooling Compr:	COOL DEMAND LIM NUM COMPR	cool_dem_limit_numcomp_1	14.0			FALSE
Demand Limit Max #of Heating Compr:	HEAT DEMAND LIM NUM COMPR	heat_dem_limit_numcomp_1	14.0			FALSE
Demand Limit Max #of Heat Rec Compr:	HT RECOV DEMAND LIM NUM COMPR	htrec_dem_limit_numcomp_1	14.0			FALSE
Status: (/)	Chiller Run Cmd	run_1	On	Chiller OFF, Chiller ON		FALSE

LINK(S): STATUS, SYSTEM SETUP, SERVICE MENU SETUP, ALARM

STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Chiller Status Menu						

LINK(S): EVAP STATUS, ALL COMPR SS STATUS, COND STATUS, CHILLER OPER STATUS, ALL MODS GEN CMPR UNLOAD STATUS, MOD1 COMP1 DATA, MOD1 COMP2 DAT, MOD2 COMP1 DATA, MOD2 COMP2 DATA, MOD3 COMP1 DATA, MOD3 COMP2 DATA, MOD4 COMP1 DATA, MOD4 COMP2 DATA, MOD5 COMP1 DATA, MOD5 COMP2 DATA, MOD6 COMP1 DATA, MOD6 COMP2 DATA, MOD7 COMP1 DATA, MOD7 COMP2 DATA, ALL COMPR RUNTIME STATUS, ALL COMPR CYCLES STATUS, MODULE SIZE STATUS, MOD MOT VLV OPEN-CL STATUS, MODULE CONTROL STATUS, SIGNAL TO CLOSE MOT VLV STATUS, PREV, CLOCKSET, HOME, ALARM

EVAP STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Cold Water Temp Status						
Cold Wtr In: (F)	CHWR In Temp Status	chwr_stat_1	60.9			FALSE



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/ Cold Wtr Out: (F)	CHWS Out Temp Status	chws_stat_1	51.5			FALSE
Cold Water Flow Status:	Evap Flow SW	evap_flow_1	On	Off, On		FALSE
Hot Water Diff Press Sensor: (PSID)	Diff Press Heat Load	diff_press_heat_load_1	26.539558 psi			FALSE
Cold Water Diff Press Sensor: (PSID)	Diff Press Cool Load	diff_press_cool_load_1	26.6483 psi			FALSE
SourcWater Diff Press Sensor: (PSID)	Diff Press Source	diff_press_source_load_1	26.6483 °F			FALSE

LINK(S): PREV, SYSTEM SETUP, STATUS

ALL COMPR SS STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Compressor ON/OFF Status						
M1C1 Status:	Module 1 Comp 1 Status	m1_comp1_status_5	On	Off, On		FALSE
/ M5C1 Status:	Module 5 Comp 1 Status	m5_comp1_status_5	On	Off, On		FALSE
M1C2 Status:	Module 1 Comp 2 Status	m1_comp2_status_5	On	Off, On		FALSE
/ M5C2 Status:	Module 5 Comp 2 Status	m5_comp2_status_5	On	Off, On		FALSE
M2C1 Status:	Module 2 Comp 1 Status	m2_comp1_status_5	On	Off, On		FALSE
/ M6C1 Status:	Module 6 Comp 1 Status	m6_comp1_status_5	Off	Off, On		FALSE
M2C2 Status:	Module 2 Comp 2 Status	m2_comp2_status_5	On	Off, On		FALSE
/ M6C2 Status:	Module 6 Comp 2 Status	m6_comp2_status_5	Off	Off, On		FALSE
M3C1 Status:	Module 3 Comp 1 Status	m3_comp1_status_5	On	Off, On		FALSE
/ M7C1 Status:	Module 7 Comp 1 Status	m7_comp1_status_5	Off	Off, On		FALSE
M3C2 Status:	Module 3 Comp 2 Status	m3_comp2_status_5	On	Off, On		FALSE
/ M7C2 Status:	Module 7 Comp 2 Status	m7_comp2_status_5	Off	Off, On		FALSE
M4C1 Status:	Module 4 Comp 1 Status	m4_comp1_status_5	Off	Off, On		FALSE
M4C2 Status:	Module 4 Comp 2 Status	m4_comp2_status_5	Off	Off, On		FALSE

LINK(S): PREV, SYSTEM SETUP, HOME, ALARM

COND STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Hot Water Temp Status						
Hot Wtr In:	CWS In Temp Status	cws_stat_1	94.0 °F			FALSE
F /Hot Wtr Out: (F)	CWR Out Status	cwr_stat_1	120.6			FALSE
Hot Water Flow Status:	Heat Fl	cond_flow_1	On	Off, On		FALSE
Hot Water Diff Press Sensor: (PSID)	Diff Press Heat Load	diff_press_heat_load_1	26.539558 psi			FALSE
Cold Water Diff Press Sensor: (PSID)	Diff Press Cool Load	diff_press_cool_load_1	26.6483 psi			FALSE
SourcWater Diff Press Sensor: (PSID)	Diff Press Source	diff_press_source_load_1	26.6483 °F			FALSE

LINK(S): PREV, SYSTEM SETUP, STATUS

CHILLER OPER STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Operating & Loading Status						
#Cool Prior Stages On:						
/Cool Mode:	Chiller Cool Run Cmd	run_cool_1	On	Off, On		FALSE
#Heat Prior Stages On:						
/Heat Mode:	Chiller Heat Run Cmd	run_heat_1	On	Off, On		FALSE
#Heat Rec Stages On:						
/Ht Rec Mode:	Chiller Heat Rec Run Cmd	run_heat_rec_1	On	Off, On		FALSE
ClgPID Count:	Stage 1 Cooling PID	stg1_clg_pid_1	152.26709			FALSE
/Cool Wtr Out: (F)	CHWS Out Temp Status	chws_stat_1	51.5			FALSE
HtgPID Count:	Stage 1 Heating PID	stg1_htg_pid_1	192.14285			FALSE
/Heat Wtr Out: (F)	CWR Out Status	cwr_stat_1	120.6			FALSE
Status: (/)	Chiller Run Cmd	run_1	On	Chiller OFF, Chiller ON		FALSE



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CL Cmp PID Cnt:	Clg Step PID Value for 65T	step_clgpId_65t_1	14.285714		FALSE
/HT Cmp PID Cnt:	Htg Step PID Value for 65T	step_htgpId_65t_1	14.285714		FALSE

[LINK\(S\): PREV, SYSTEM SETUP, HOME, ALARM](#)

ALL MODS GEN CMPR UNLOAD STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic All Module Compr Unloads FN5						
M1C1 Unload :	Module 1 Comp 1 Unload	m1_c1_unld_5	Off	Off, On		FALSE
M1C2 Unload :	Module 1 Comp 2 Unload	m1_c2_unld_5	Off	Off, On		FALSE
M2C1 Unload :	Module 2 Comp 1 Unload	m2_c1_unld_5	Off	Off, On		FALSE
M2C2 Unload :	Module 2 Comp 2 Unload	m2_c2_unld_5	Off	Off, On		FALSE
M3C1 Unload :	Module 3 Comp 1 Unload	m3_c1_unld_5	Off	Off, On		FALSE
M3C2 Unload :	Module 3 Comp 2 Unload	m3_c2_unld_5	Off	Off, On		FALSE
M4C1 Unload :	Module 4 Comp 1 Unload	m4_c1_unld_5	Off	Off, On		FALSE
M4C2 Unload :	Module 4 Comp 2 Unload	m4_c2_unld_5	Off	Off, On		FALSE
M5C1 Unload :	Module 5 Comp 1 Unload	m5_c1_unld_5	Off	Off, On		FALSE
M5C2 Unload :	Module 5 Comp 2 Unload	m5_c2_unld_5	Off	Off, On		FALSE
M6C1 Unload :	Module 6 Comp 1 Unload	m6_c1_unld_5	Off	Off, On		FALSE
M6C2 Unload :	Module 6 Comp 2 Unload	m6_c2_unld_5	Off	Off, On		FALSE
M7C1 Unload :	Module 7 Comp 1 Unload	m7_c1_unld_5	Off	Off, On		FALSE
M7C2 Unload :	Module 7 Comp 2 Unload	m7_c2_unld_5	Off	Off, On		FALSE

[LINK\(S\): PREV, SYSTEM SETUP, HOME, ALARM](#)

MOD x COMP1 DATA

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
MOD 1 COMP 1 DATA / MODE:	Module 1 Control Status	m1_ctrl_stat_1	Heat Recovery	Unused Module, Heat Recov, Cool Priority, Heat Priority, Open Module		FALSE
M1C1 Suc Pr: (psi)	Module 1 Comp 1 Suction Pressure	m1_c1_suc_pres_stat_5	122.4			FALSE
/SourWtr In: (F)	SWS In Temp Status	sws_stat_1	109.7			FALSE
Suc SuperHT: (F)	Module 1 Comp 1 Suction Superheat	m1_c1_suc_superheat_5	4.6623917			FALSE
/Cool Wtr In: (F)	CHWR In Temp Status	chwr_stat_1	60.9			FALSE
M1C1 Suc Tp: (F)	Module 1 Comp 1 Suction Temp	m1_c1_suct_temp_stat_5	46.5			FALSE
/Cool WtrOut: (F)	M1 Load Leaving Temp	m1_load_temp_stat_5	69.3			FALSE
M1C1 Dis Pr: (psi)	Module 1 Comp 1 Disch Press	m1_c1_disch_pres_stat_5	367.3	0	350	FALSE
/M1C1 Dis Tp: (F)	Module 1 Comp 1 Disch Temp	m1_c1_disch_temp_stat_5	0.0			FALSE
M1C1 Status:						
/Hot Water In : (F)	Module 1 Comp 1 Status	m1_comp1_status_5	On	Off, On		FALSE
M1C1 Fail :						
/Hot Water Out: (F)	Module 1 Comp 1 Fail	m1_c1_fail_1	Off	Off, On		FALSE
M1C1 Runtime: (h)	Module 1 Comp 1 Runtime	m1_c1_rtime_1	1.5422223			FALSE
/M1C1 Cycles:	Module 1 Comp 1 Cycles	m1_c1_cycles_5	3.0			FALSE
M1C1 Min Runtm:	Module 1 Compr 1 Min Run	m1_c1_min_runtime_5	On	Off, On		FALSE
/M1C1 Min OffTime:	Module 1 Comp 1 Min Off	m1_c1_minimum_off_5	Off	Off, On		FALSE

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Lowest Hd Pres:	Module 1 Lowest Cond Head Pressure	m1_lowest_head_pressure_5	367.3	0	595	FALSE
/CDMV PID Out:	Module 1 Cond Vlv PID Out	m1_cdmv_pidout_5	100.0	0	350	FALSE
CDMV PID Vdc Scaled Out:	Module 1 Cond Vlv Scaled PID Out	m1_cdmv_scaled_pidout_5	10.0	0	10	FALSE
Highest Suc Pr:	Module 1 Highest Evap Suct Pressure	m1_highest_suct_pressure_5	122.4	0	595	FALSE
/EVMV PID Out:	Module 1 Evap Vlv PID Out	m1_evmv_pidout_5	90.569595	0	350	FALSE
EVMV PID Vdc Scaled Out:	Module 1 Evap Vlv Scaled PID Out	m1_evmv_scaled_pidout_5	10.0	0	10	FALSE

LINK(S): PREV, STATUS, HOME, ALARM

MOD x COMP2 DATA

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
MOD 1 COMP 2 DATA / MODE:	Module 1 Control Status	m1_ctrl_stat_1	Heat Recovery	Unused Module, Heat Recov, Cool Priority, Heat Priority, Open Module		FALSE
M1C2 Suc Pr: (psi)	Module 1 Comp 2 Suction Pressure	m1_c2_suc_pres_stat_5	122.4			FALSE
/SourWtr In: (F)	SWS In Temp Status	sws_stat_1	109.7			FALSE
Suc SuperHt: (F)	Module 1 Comp 2 Suction Superheat	m1_c2_suc_superheat_5	4.3623924			FALSE
/Cool Wtr In: (F)	CHWR In Temp Status	chwr_stat_1	60.9			FALSE
M1C2 Suc Tp: (F)	Module 1 Comp 2 Suction Temp	m1_c2_suct_temp_stat_5	46.2			FALSE
/Cool WtrOut: (F)	M1 Load Leaving Temp	m1_load_temp_stat_5	69.3			FALSE
M1C2 Dis Pr: (psi)	Module 1 Comp 2 Discharge Pressure	m1_c2_disch_pres_stat_5	366.4			FALSE
/M1C2 Dis Tp: (F)	Module 1 Comp 2 Disch Temp	m1_c2_disch_temp_stat_5	0.0			FALSE
M1C2 Status:	Module 1 Comp 2 Status	m1_comp2_status_5	On	Off, On		FALSE
/Hot Water In : (F)	Module 1 Comp 2 Fail	m1_c2_fail_1	Off	Off, On		FALSE
M1C2 Runtime: (h)	Module 1 Comp 2 Runtime	m1_c2_rtime_1	1.5477778			FALSE
/M1C2 Cycles:	Module 1 Comp 2 Cycles	m1_c2_cycles_5	4.0			FALSE
M1C2 Min Runtm:	Module 1 Compr 1 Min Run	m1_c2_min_runtime_5	Off	Off, On		FALSE
/M1C2 Min OffTime:	Module 1 Comp 2 Min Off	m1_c2_minimum_off_5	Off	Off, On		FALSE
Lowest Hd Pres:	Module 1 Lowest Cond Head Pressure	m1_lowest_head_pressure_5	367.3	0	595	FALSE
/CDMV PID Out:	Module 1 Cond Vlv PID Out	m1_cdmv_pidout_5	100.0	0	350	FALSE
CDMV PID Vdc Scaled Out:	Module 1 Cond Vlv Scaled PID Out	m1_cdmv_scaled_pidout_5	10.0	0	10	FALSE
Highest Suc Pr:	Module 1 Highest Evap Suct Pressure	m1_highest_suct_pressure_5	122.4	0	595	FALSE
/EVMV PID Out:	Module 1 Evap Vlv PID Out	m1_evmv_pidout_5	90.569595	0	350	FALSE
EVMV PID Vdc Scaled Out:	Module 1 Evap Vlv Scaled PID Out	m1_evmv_scaled_pidout_5	10.0	0	10	FALSE

LINK(S): PREV, STATUS, HOME, ALARM

ALL COMPR RUNTIME STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Compressor Runtime Status						
M1C1 Runtm: (h)	Module 1 Comp 1 Runtime	m1_c1_rtime_1	1.5422223			FALSE
/M5C1 Runtm: (h)	Module 5 Comp 1 Runtime	m5_c1_rtime_1	1.4330555			FALSE
M1C2 Runtm: (h)	Module 1 Comp 2 Runtime	m1_c2_rtime_1	1.5477778			FALSE
/M5C2 Runtm: (h)	Module 5 Comp 2 Runtime	m5_c2_rtime_1	1.4594444			FALSE
M2C1 Runtm: (h)	Module 2 Comp 1 Runtime	m2_c1_rtime_1	1.8769444			FALSE
/M6C1 Runtm: (h)	Module 6 Comp 1 Runtime	m6_c1_rtime_1	1.6191666			FALSE
M2C2 Runtm: (h)	Module 2 Comp 2 Runtime	m2_c2_rtime_1	1.8955555			FALSE
/M6C2 Runtm: (h)	Module 6 Comp 2 Runtime	m6_c2_rtime_1	0.0			FALSE
M3C1 Runtm: (h)	Module 3 Comp 1 Runtime	m3_c1_rtime_1	2.2205555			FALSE
/M7C1 Runtm: (h)	Module 7 Comp 1 Runtime	m7_c1_rtime_1	0.0			FALSE
M3C2 Runtm: (h)	Module 3 Comp 2 Runtime	m3_c2_rtime_1	2.1916666			FALSE
/M7C2 Runtm: (h)	Module 7 Comp 2 Runtime	m7_c2_rtime_1	0.0			FALSE
M4C1 Runtm: (h) (/)	Module 4 Comp 1 Runtime	m4_c1_rtime_1	0.5288889			FALSE
M4C2 Runtm: (h) (/)	Module 4 Comp 2 Runtime	m4_c2_rtime_1	0.0			FALSE

LINK(S): PREV, SYSTEM SETUP, HOME, ALARM

ALL COMPR CYCLES STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Compressor Cycles Status						
M1C1 Cycles:	Module 1 Comp 1 Cycles	m1_c1_cycles_5	3.0			FALSE
/M5C1 Cycles:	Module 5 Comp 1 Cycles	m5_c1_cycles_5	3.0			FALSE
M1C2 Cycles:	Module 1 Comp 2 Cycles	m1_c2_cycles_5	4.0			FALSE
/M5C2 Cycles:	Module 5 Comp 2 Cycles	m5_c2_cycles_5	3.0			FALSE
M2C1 Cycles:	Module 2 Comp 1 Cycles	m2_c1_cycles_5	3.0			FALSE
/M6C1 Cycles:	Module 6 Comp 1 Cycles	m6_c1_cycles_5	1.0			FALSE
M2C2 Cycles:	Module 2 Comp 2 Cycles	m2_c2_cycles_5	3.0			FALSE
/M6C2 Cycles:	Module 6 Comp 2 Cycles	m6_c2_cycles_5	0.0			FALSE
M3C1 Cycles:	Module 3 Comp 1 Cycles	m3_c1_cycles_5	3.0			FALSE
/M7C1 Cycles:	Module 7 Comp 1 Cycles	m7_c1_cycles_5	0.0			FALSE
M3C2 Cycles:	Module 3 Comp 2 Cycles	m3_c2_cycles_5	3.0			FALSE
/M7C2 Cycles:	Module 7 Comp 2 Cycles	m7_c2_cycles_5	0.0			FALSE
M4C1 Cycles:	Module 4 Comp 1 Cycles	m4_c1_cycles_5	2.0			FALSE
M4C2 Cycles:	Module 4 Comp 2 Cycles	m4_c2_cycles_5	1.0			FALSE

LINK(S): PREV, SYSTEM SETUP, HOME, ALARM

MODULE SIZE STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Module Size Status Only/ Legend						
Mod1 Size:[] /1= Not Used	Mod 1 Size	m1_size_st_1	2.0	1	4	FALSE
Mod2 Size:[] /2=Heat Recovery	Mod 2 Size	m2_size_st_1	2.0	1	4	FALSE
Mod3 Size:[] /3=Cool Priority	Mod 3 Size	m3_size_st_1	2.0	1	4	FALSE
Mod4 Size:[] /4=Heat Priority	Mod 4 Size	m4_size_st_1	5.0	1	4	FALSE
Mod5 Size:[] /5=Open Module	Mod 5 Size	m5_size_st_1	2.0	1	4	FALSE
Mod6 Size:[] ////////////////	Mod 6 Size	m6_size_st_1	4.0	1	4	FALSE

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Mod7 Size:[]	Mod 7 Size	m7_size_st_1	5.0	1	4	FALSE
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[LINK\(S\): PREV, ALARM, SYSTEM SETUP, CLOCKSET](#)

MOD MOT VLV OPEN-CL STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Module Mot Vlv Open-Closed Status	Use Header Bypass Valves	bypass_go_1	On	No, Yes		TRUE
Use Ext Water Header Bypass Kits?: Delay Before Closing Mot Valves: (s)	Mot Valve Delay Before Closing	close_vlv_delay_5	50.0	1	999	TRUE
Source Hdr Bypass Vlv Status:	Source Header Ext Bypass Valve	src_hdr_ext_byp_vlv_1	Off	Closed, Open		FALSE
Cool Header Bypass Vlv Status:	Cool Header Ext Bypass Valve	cl_hdr_ext_byp_vlv_1	Off	Closed, Open		FALSE
Heat Header Bypass Vlv Status:	Heat Header Ext Bypass Valve	ht_hdr_ext_byp_vlv_1	Off	Closed, Open		FALSE
Mod1 Heat Rec Mot Vlv Open Stat:	Module 1 Heat Recovery Open	m1_heat_rec_open_5	On	Closed, Open		FALSE
Mod1 Cool Pr. Mot Vlv Open Stat:	Module 1 Cool Open	m1_cool_open_5	Off	Closed, Open		FALSE
Mod1 Heat Pr. Mot Vlv Open Stat:	Module 1 Heat Open	m1_heat_open_5	Off	Closed, Open		FALSE
Mod2 Heat Rec Mot Vlv Open Stat:	Module 2 Heat Recovery Open	m2_heat_rec_open_5	On	Closed, Open		FALSE
Mod2 Cool Mot Valve Open Status:	Module 2 Cool Open	m2_cool_open_5	Off	Closed, Open		FALSE
Mod2 Heat Mot Valve Open Status:	Module 2 Heat Open	m2_heat_open_5	Off	Closed, Open		FALSE
Mod3 Heat Rec Mot Vlv Open Stat:	Module 3 Heat Recovery Open	m3_heat_rec_open_5	On	Closed, Open		FALSE
Mod3 Cool Mot Valve Open Status:	Module 3 Cool Open	m3_cool_open_5	Off	Closed, Open		FALSE
Mod3 Heat Mot Valve Open Status:	Module 3 Heat Open	m3_heat_open_5	Off	Closed, Open		FALSE
Mod4 Heat Rec Mot Vlv Open Stat:	Module 4 Heat Recovery Open	m4_heat_rec_open_5	On	Closed, Open		FALSE
Mod4 Cool Mot Valve Open Status:	Module 4 Cool Open	m4_cool_open_5	Off	Closed, Open		FALSE
Mod4 Heat Mot Valve Open Status:	Module 4 Heat Open	m4_heat_open_5	Off	Closed, Open		FALSE
Mod5 Heat Rec Mot Vlv Open Stat:	Module 5 Heat Recovery Open	m5_heat_rec_open_5	On	Closed, Open		FALSE
Mod5 Cool Mot Valve Open Status:	Module 5 Cool Open	m5_cool_open_5	Off	Closed, Open		FALSE
Mod5 Heat Mot Valve Open Status:	Module 5 Heat Open	m5_heat_open_5	Off	Closed, Open		FALSE
Mod6 Heat Rec Mot Vlv Open Stat:	Module 6 Heat Recovery Open	m6_heat_rec_open_5	On	Closed, Open		FALSE
Mod6 Cool Mot Valve Open Status:	Module 6 Cool Open	m6_cool_open_5	Off	Closed, Open		FALSE
Mod6 Heat Mot Valve Open Status:	Module 6 Heat Open	m6_heat_open_5	Off	Closed, Open		FALSE
Mod7 Heat Rec Mot Vlv Open Stat:	Module 7 Heat Recovery Open	m7_heat_rec_open_5	Off	Closed, Open		FALSE

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Mod7 Cool Mot Valve Open Status:	Module 7 Cool Open	m7_cool_open_5	Off	Closed, Open	FALSE
Mod7 Heat Mot Valve Open Status:	Module 7 Heat Open	m7_heat_open_5	Off	Closed, Open	FALSE

LINK(S): PREV, STATUS, HOME, ALARM

MODULE CONTROL STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Module Valve Control Status Mod1 Valve Ctrl Status:	Module 1 Control Status	m1_ctrl_stat_1	Heat Recovery	Unused Mod, Heat Recovery, Cool Priority, Heat Priority, Open Module		TRUE
Mod2 Valve Ctrl Status:	Module 2 Control Status	m2_ctrl_stat_1	Heat Recovery	Unused Mod, Heat Recovery, Cool Priority, Heat Priority, Open Module		TRUE
Mod3 Valve Ctrl Status:	Module 3 Control Status	m3_ctrl_stat_1	Heat Recovery	Unused Mod, Heat Recovery, Cool Priority, Heat Priority, Open Module		TRUE
Mod4 Valve Ctrl Status:	Module 4 Control Status	m4_ctrl_stat_1	Open Module	Unused Mod, Heat Recovery, Cool Priority, Heat Priority, Open Module		TRUE
Mod5 Valve Ctrl Status:	Module 5 Control Status	m5_ctrl_stat_1	Heat Recovery	Unused Mod, Heat Recovery, Cool Priority, Heat Priority, Open Module		TRUE

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Mod6 Valve Ctrl Status:	Module 6 Control Status	m6_ctrl_stat_1	Heat Priority	Unused Mod, Heat Recovery, Cool Priority, Heat Priority, Open Module	TRUE
Mod7 Valve Ctrl Status:	Module 7 Control Status	m7_ctrl_stat_1	Open Module	Unused Mod, Heat Recovery, Cool Priority, Heat Priority, Open Module	TRUE

LINK(S): PREV, ALARM, SYSTEM SETUP, CLOCKSET

SIGNAL TO CLOSE MOT VLV STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Signal to Close Mot Valve Status						
Use Ext Water Header Bypass Kits?:	Use Header Bypass Valves	bypass_go_1	On	No, Yes		TRUE
Delay Before Closing Mot Valves: (s)	Mot Valve Delay Before Closing	close_vlv_delay_5	50.0	1	999	TRUE
Mod1 HtRec Mot Vlv Signal to Close:	Module 1 Heat Recov Closed	m1_htrec_closed_5	Off	No, Yes		FALSE
Mod2 HtRec Mot Vlv Signal to Close:	Module 2 Heat Recov Closed	m2_htrec_closed_5	Off	No, Yes		FALSE
Mod3 HtRec Mot Vlv Signal to Close:	Module 3 Heat Recov Closed	m3_htrec_closed_5	Off	No, Yes		FALSE
Mod4 HtRec Mot Vlv Signal to Close:	Module 4 Heat Recov Closed	m4_htrec_closed_5	On	No, Yes		FALSE
Mod5 HtRec Mot Vlv Signal to Close:	Module 5 Heat Recov Closed	m5_htrec_closed_5	Off	No, Yes		FALSE
Mod6 HtRec Mot Vlv Signal to Close:	Module 6 Heat Recov Closed	m6_htrec_closed_5	On	No, Yes		FALSE
Mod7 HtRec Mot Vlv Signal to Close:	Module 7 Heat Recov Closed	m7_htrec_closed_5	On	No, Yes		FALSE
Mod1 Ht Pr Mot Vlv Signal to Close:	Module 1 Heat Prior Closed	m1_hp_closed_5	On	No, Yes		FALSE
Mod2 Ht Pr Mot Vlv Signal to Close:	Module 2 Heat Prior Closed	m2_hp_closed_5	On	No, Yes		FALSE
Mod3 Ht Pr Mot Vlv Signal to Close:	Module 3 Heat Prior Closed	m3_hp_closed_5	On	No, Yes		FALSE
Mod4 Ht Pr Mot Vlv Signal to Close:	Module 4 Heat Prior Closed	m4_hp_closed_5	On	No, Yes		FALSE
Mod5 Ht Pr Mot Vlv Signal to Close:	Module 5 Heat Prior Closed	m5_hp_closed_5	On	No, Yes		FALSE
Mod6 Ht Pr Mot Vlv Signal to Close:	Module 6 Heat Prior Closed	m6_hp_closed_5	On	No, Yes		FALSE
Mod7 Ht Pr Mot Vlv Signal to Close:	Module 7 Heat Prior Closed	m7_hp_closed_5	On	No, Yes		FALSE
Mod1 Cl Pr Mot Vlv Signal to Close:	Module 1 Cool Prior Closed	m1_cp_closed_5	On	No, Yes		FALSE
Mod2 Cl Pr Mot Vlv Signal to Close:	Module 2 Cool Prior Closed	m2_cp_closed_5	On	No, Yes		FALSE
Mod3 Cl Pr Mot Vlv Signal to Close:	Module 3 Cool Prior Closed	m3_cp_closed_5	On	No, Yes		FALSE
Mod4 Cl Pr Mot Vlv Signal to Close:	Module 4 Cool Prior Closed	m4_cp_closed_5	On	No, Yes		FALSE
Mod5 Cl Pr Mot Vlv Signal to Close:	Module 5 Cool Prior Closed	m5_cp_closed_5	On	No, Yes		FALSE
Mod6 Cl Pr Mot Vlv Signal to Close:	Module 6 Cool Prior Closed	m6_cp_closed_5	On	No, Yes		FALSE
Mod7 Cl Pr Mot Vlv Signal to Close:	Module 7 Cool Prior Closed	m7_cp_closed_5	On	No, Yes		FALSE

LINK(S): PREV, STATUS, HOME, ALARM

SYSTEM SETUP FN2

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic System Setup FN2						

LINK(S): GENERAL SYS SETTINGS, HEAT & COOL SETPOINT MENUS, SELECT % HEAT/COOL CNTRL SCHEME, ALARM LOCKOUT RESET, CHILLER OPER STATUS, SCHEDULES, PREV,

Software Version: UCH-SHC-HR.010a.13

Product Line: UCH
 Chiller Type: Simul. Heat Recovery
 6 Pipe

STATUS, HOME, ALARM

GENERAL SYS SETTINGS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic General System Settings						
Chiller Control Type:	Control Type	control_type_1	Heat Recov Dual	Cool Priority, Heat Priority, Heat Recov		TRUE
Heat Mode Status:	Chiller Heat Run Cmd	run_heat_1	On	Off, On		FALSE
/Heat ModeBAS:	Heat Enable (BAS)	enable_bas_heat_1	On	Off, On		TRUE
Cool Mode Status:	Chiller Cool Run Cmd	run_cool_1	On	Off, On		FALSE
/Cool ModeBAS:	Cool Enable (BAS)	enable_bas_cool_1	On	Off, On		TRUE
Heat Rec Status:	Chiller Heat Rec Run Cmd	run_heat_rec_1	On	Off, On		FALSE
/HtRec ModeBAS:	Heat Recov Enable (BAS)	enable_bas_htrec_1	On	Off, On		TRUE
Operate Chiller to Ignore Ht Rec:	No Heat Recov Enable (BAS)	enable_bas_no_htrec_1	Off	Off, On		TRUE
Chiller Control Source	Control Source	control_source_1	Digital Input	Dig Input, Keypad, BAS		TRUE
Enable Chiller from Keypad?	Unit Enable (keypad)	enable_keypad_1	On	Off, On		TRUE
Mod Ref Type	Module Compr Ref Type	mod_comp_ref_type_5	410a	410a, 134a		TRUE
Chiller Model Type:	Chiller Model Type	chiller_model_type_5	UCH	UCW, UCH, UCR		TRUE
Cool Design Delta Temp	FULL LD COOL DES TD	cool_design_dt_1	-10.0	-30	-1	TRUE
Heat Design Delta Temp	FULL LD HEAT DES TD	heat_design_dt_1	10.0	1	40	TRUE
Use High Amb Tmp Limit?	HI AMBIENT TMP LIM	hi_amb_tmp_lim_1	No	No, Yes		TRUE
Start Delay of Non-Crit Alrms:	Start-Up Alarm Delay	startup_alarm_delay_1	600.0 sec	0	999	TRUE
Software Version: UCH-SHC-HR.010a.13						

LINK(S): PREV, SYSTEM SETUP, HOME, ALARM

HEAT & COOL SETPOINT MENUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Heat and Cool Setpoints						

LINK(S): COOL MODE SETPOINT, HEAT MODE SETPOINT, SELECT % HEAT/COOL CNTRL SCHEME, REMOTE HEAT & COOL SETPOINT ADJUST, CHANNELS 8 & 11 SETUP, PREV, SYSTEM SETUP, HOME, ALARM

COOL MODE SETPOINT

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Cool Mode Setpoint Menu						
Cool Mode Status:	Chiller Cool Run Cmd	run_cool_1	On	Off, On		FALSE
/Cool ModeBAS:	Cool Enable (BAS)	enable_bas_cool_1	On	Off, On		TRUE
/NO Heat Rec Mode:	No Heat Recov Enable (BAS)	enable_bas_no_htrec_1	Off	Off, On		TRUE
Heat Rec Status:	Chiller Heat Rec Run Cmd	run_heat_rec_1	On	Off, On		FALSE
/Heat Rec Mode:	Heat Recov Enable (BAS)	enable_bas_htrec_1	On	Off, On		TRUE
Local Cool Wtr Out Setpt: (F)	COOL LVG TRG	chw_temp_stp_1	45.0 °F	20	75	TRUE
Heat/Cool Stage Differential:	HEAT-COOL STG DIFF	heat_cool_stg_diff_1	2.0	0	9	TRUE
Min Cool Wtr Out Setpt: (F)	MIN COOL TRG LIM	min_chw_temp_stp_1	42.0 °F	16	75	TRUE
Max Cool Wtr Out Setpt: (F)	MAX COOL TRG LIM	max_chw_temp_stp_1	62.0 °F	16	75	TRUE
Remote Cool Wtr Out Setpt: (F)	Remote CHW Setpoint	rem_chw_stp_stat_1	42.0 °F	0	75	FALSE
Rem Max Neg Clg Wtr Setpt Reset: (F)	MAX NEG DEM LIM COOL RESET	max_neg_chw_stp_reset_1	0.0 °F	0	75	TRUE
Rem Max Pos Clg Wtr Setpt Reset: (F)	MAX POS DEM LIM COOL RESET	max_pos_chw_stp_reset_1	8.0 °F	0	75	TRUE
Remote Cool Wtr Out Reset: (F)	Remote CHW Setpoint Reset	rem_chw_stp_reset_1	0.0 °F	0	75	FALSE
Active Cool Wtr Out Setpt: (F)	Active CHW Setpoint	chw_stp_stat_1	45.0 °F	0	75	FALSE
Cool Control Setpoint Offset: (F)	Cool Control Setpoint Offset	cl_cntrl_spt_offset_1	0.0	-30	30	TRUE

LINK(S): PREV, SYSTEM SETUP, HOME, ALARM

HEAT MODE SETPOINT

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editabile
CoolLogic Heat Mode Setpoint Menu						
Heat Mode Status:	Chiller Heat Run Cmd	run_heat_1	On	Off, On		FALSE
/Heat ModeBAS:	Heat Enable (BAS)	enable_bas_heat_1	On	Off, On		TRUE
/NO Heat Rec Mode:	No Heat Recov Enable (BAS)	enable_bas_no_hrtrec_1	Off	Off, On		TRUE
Heat Rec Status:	Chiller Heat Rec Run Cmd	run_heat_rec_1	On	Off, On		FALSE
/Heat Rec Mode:	Heat Recov Enable (BAS)	enable_bas_hrtrec_1	On	Off, On		TRUE
Local Heat Wtr Out Setpt: (F)	HEAT LVG TRG	cw_temp_stp_1	125.0 °F	20	185	TRUE
Heat/Cool Stage Differential:	HEAT-COOL STG DIFF	heat_cool_stg_diff_1	2.0	0	9	TRUE
Min Heat Wtr Out Setpt: (F)	MIN HEAT TRG LIM	min_cw_temp_stp_1	75.0 °F	20	185	TRUE
Max Heat Wtr Out Setpt: (F)	MAX HEAT TRG LIM	max_cw_temp_stp_1	130.0 °F	20	185	TRUE
Remote Heat Wtr Out Setpt: (F)	Remote CW Setpoint	rem_cw_stp_stat_1	75.0 °F	50	185	FALSE
Rem Max Neg Htg Wtr Setpt Reset:	MAX NEG DEM LIM HEAT RESET	max_neg_cw_stp_reset_1	0.0 °F	0	185	TRUE
Rem Max Pos Htg Wtr Setpt Reset:	MAX POS DEM LIM HEAT RESET	max_pos_cw_stp_reset_1	-10.0 °F	0	185	TRUE
Remote Heat Wtr Out Reset: (F)	Remote CW Dem Lim Stpt Reset	rem_cw_stp_reset_1	0.0 °F	0	185	FALSE
Active Heat Wtr Out Setpt: (F)	Active Htg Setpoint	cw_stp_stat_1	125.0 °F	40	185	FALSE
Heat Control Setpoint Offset: (F)	HeatControl Setpoint Offset	ht_cntrl_spt_offset_1	0.0	-30	30	TRUE

LINK(S): PREV, SYSTEM SETUP, HOME, ALARM

REMOTE HEAT & COOL SETPOINT ADJUST

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editabile
Master Control Remote Setpoint Adjust						
Input Chn#10Type:	Input Chnl 10 Type	inp_10_point_type_1	NONE	None, Remote Heat Trg		TRUE
Min Heat Wat Out Setpt: (F)	MIN HEAT TRG LIM	min_cw_temp_stp_1	75.0 °F	20	185	TRUE
Max Heat Wat Out Setpt: (F)	MAX HEAT TRG LIM	max_cw_temp_stp_1	130.0 °F	20	185	TRUE
Input Chn#10Scaling:	AI10 Type Rem Ht Trg	an_inp10_typ_1	NONE	NONE, 4-20 ma, 2-10VDC		TRUE
Input Chn#6 Type:	Input Chnl 6 Type	inp_6_point_type_1	NONE	None, Remote Cool Trg		TRUE
Min Cool Wat Out Setpt: (F)	MIN COOL TRG LIM	min_chw_temp_stp_1	42.0 °F	16	75	TRUE
Max Cool Wat Out Setpt: (F)	MAX COOL TRG LIM	max_chw_temp_stp_1	62.0 °F	16	75	TRUE
Input Chn#6 Scaling:	AI6 Type Off is 0-10	an_inp6_typ_1	NONE	NONE, 4-20 ma, 2-10VDC		TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

ALARM LOCKOUT RESET FN3

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editabile
CoolLogic Alarm Lockout Reset FN3						
Sensor Out of Range Alm Reset:	Reset Sensor OOR Alarm	reset_oor_1	No	Off, On		TRUE
Master Pnl Temp Lockout Reset:	LOCK OUT RESET	reset_1	Off	Off, On		TRUE

LINK(S): RESET ALL MODULE ALARMS AT ONCE, RESET COMP ALARMS, RESET MODULE FREEZE ALARMS, RESET COMP RUNTIME & CYCLES, RESET MODULE SENSOR OOR ALAR
 PREV, SYSTEM SETUP, HOME, ALARM

RESET ALL MODULE ALARMS AT ONCE

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Reset Module Alarms at Once						
Reset ALL Module#1 Alarms at Once?	Reset M1 All Slave Alarms	m1_reset_all_slave_alarms_5	Off	No, Yes		TRUE
Reset ALL Module#2 Alarms at Once?	Reset M2 All Slave Alarms	m2_reset_all_slave_alarms_5	Off	No, Yes		TRUE
Reset ALL Module#3 Alarms at Once?	Reset M3 All Slave Alarms	m3_reset_all_slave_alarms_5	Off	No, Yes		TRUE
Reset ALL Module#4 Alarms at Once?	Reset M4 All Slave Alarms	m4_reset_all_slave_alarms_5	Off	No, Yes		TRUE
Reset ALL Module#5 Alarms at Once?	Reset M5 All Slave Alarms	m5_reset_all_slave_alarms_5	Off	No, Yes		TRUE
Reset ALL Module#6 Alarms at Once?	Reset M6 All Slave Alarms	m6_reset_all_slave_alarms_5	Off	No, Yes		TRUE
Reset ALL Module#7 Alarms at Once?	Reset M7 All Slave Alarms	m7_reset_all_slave_alarms_5	Off	No, Yes		TRUE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

RESET COMP ALARMS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Reset Compr Alarms						
M1C1 in Alarm?	Module 1 Comp 1 Fail	m1_comp1_fail_5	Off	No, Yes		FALSE
/M1C1Reset Alm?	M1C1 Alarm Reset	m1reset_c1_alm_5	Off	No, Yes		TRUE
M1C2 in Alarm?	Module 1 Comp 2 Fail	m1_comp2_fail_5	Off	No, Yes		FALSE
/M1C2Reset Alm?	M1C2 Alarm Reset	m1reset_c2_alm_5	Off	No, Yes		TRUE
M2C1 in Alarm?	Module 2 Comp 1 Fail	m2_comp1_fail_5	Off	No, Yes		FALSE
/M2C1Reset Alm?	M2C1 Alarm Reset	m2reset_c1_alm_5	Off	No, Yes		TRUE
M2C2 in Alarm?	Module 2 Comp 2 Fail	m2_comp2_fail_5	Off	No, Yes		FALSE
/M2C2Reset Alm?	M2C2 Alarm Reset	m2reset_c2_alm_5	Off	No, Yes		TRUE
M3C1 in Alarm?	Module 3 Comp 1 Fail	m3_comp1_fail_5	Off	No, Yes		FALSE
/M3C1Reset Alm?	M3C1 Alarm Reset	m3reset_c1_alm_5	Off	No, Yes		TRUE
M3C2 in Alarm?	Module 3 Comp 2 Fail	m3_comp2_fail_5	Off	No, Yes		FALSE
/M3C2Reset Alm?	M3C2 Alarm Reset	m3reset_c2_alm_5	Off	No, Yes		TRUE
M4C1 in Alarm?	Module 4 Comp 1 Fail	m4_comp1_fail_5	On	No, Yes		FALSE
/M4C1Reset Alm?	M4C1 Alarm Reset	m4reset_c1_alm_5	Off	No, Yes		TRUE
M4C2 in Alarm?	Module 4 Comp 2 Fail	m4_comp2_fail_5	On	No, Yes		FALSE
/M4C2Reset Alm?	M4C2 Alarm Reset	m4reset_c2_alm_5	Off	No, Yes		TRUE
M5C1 in Alarm?	Module 5 Comp 1 Fail	m5_comp1_fail_5	Off	No, Yes		FALSE
/M5C1Reset Alm?	M5C1 Alarm Reset	m5reset_c1_alm_5	Off	No, Yes		TRUE
M5C2 in Alarm?	Module 5 Comp 2 Fail	m5_comp2_fail_5	Off	No, Yes		FALSE
/M5C2Reset Alm?	M5C2 Alarm Reset	m5reset_c2_alm_5	Off	No, Yes		TRUE
M6C1 in Alarm?	Module 6 Comp 1 Fail	m6_comp1_fail_5	Off	No, Yes		FALSE
/M6C1Reset Alm?	M6C1 Alarm Reset	m6reset_c1_alm_5	Off	No, Yes		TRUE
M6C2 in Alarm?	Module 6 Comp 2 Fail	m6_comp2_fail_5	On	No, Yes		FALSE
/M6C2Reset Alm?	M6C2 Alarm Reset	m6reset_c2_alm_5	Off	No, Yes		TRUE
M7C1 in Alarm?	Module 7 Comp 1 Fail	m7_comp1_fail_5	Off	No, Yes		FALSE
/M7C1Reset Alm?	M7C1 Alarm Reset	m7reset_c1_alm_5	Off	No, Yes		TRUE
M7C2 in Alarm?	Module 7 Comp 2 Fail	m7_comp2_fail_5	Off	No, Yes		FALSE
/M7C2Reset Alm?	M7C2 Alarm Reset	m7reset_c2_alm_5	Off	No, Yes		TRUE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

RESET MODULE FREEZE ALARMS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Reset Module Freeze Alarms						
M1 inFreezAlm?	Module 1 Freeze Alarm	m1_freeze_alm_5	No	No, Yes		FALSE
/M1 FreezReset?	Reset Mot1 Vlv Fail	m1_reset_freeze_5	Off	No, Yes		TRUE
M1 in CWR Alm? (/)	Module 1 Leaving Cond Water Alarm	m1_cwr_alm_5	No	No, Yes		FALSE
M2 inFreezAlm?	Module 2 Freeze Alarm	m2_freeze_alm_5	No	No, Yes		FALSE

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Product Line: UCH
 Chiller Type: Simul. Heat Recovery
 6 Pipe

/M2 FreezReset?	Reset Mot2 Vlv Fail	m2_reset_freeze_5	Off	No, Yes	TRUE
M2 in CWR Alm? (/)	Module 2 Leaving Cond Water Alarm	m2_cwr_alm_5	No	No, Yes	FALSE
M3 inFreezAlm?	Module 3 Freeze Alarm	m3_freeze_alm_5	No	No, Yes	FALSE
/M3 FreezReset?	Reset Mot3 Vlv Fail	m3_reset_freeze_5	Off	No, Yes	TRUE
M3 in CWR Alm? (/)	Module 3 Leaving Cond Water Alarm	m3_cwr_alm_5	No	No, Yes	FALSE
M4 inFreezAlm?	Module 4 Freeze Alarm	m4_freeze_alm_5	No	No, Yes	FALSE
/M4 FreezReset?	Reset Mot4 Vlv Fail	m4_reset_freeze_5	Off	No, Yes	TRUE
M4 in CWR Alm? (/)	Module 4 Leaving Cond Water Alarm	m4_cwr_alm_5	No	No, Yes	FALSE
M5 inFreezAlm?	Module 5 Freeze Alarm	m5_freeze_alm_5	No	No, Yes	FALSE
/M5 FreezReset?	Reset Mot5 Vlv Fail	m5_reset_freeze_5	Off	No, Yes	TRUE
M5 in CWR Alm? (/)	Module 5 Leaving Cond Water Alarm	m5_cwr_alm_5	No	No, Yes	FALSE
M6 inFreezAlm?	Module 6 Freeze Alarm	m6_freeze_alm_5	No	No, Yes	FALSE
/M6 FreezReset?	Reset Mot6 Vlv Fail	m6_reset_freeze_5	Off	No, Yes	TRUE
M6 in CWR Alm? (/)	Module 6 Leaving Cond Water Alarm	m6_cwr_alm_5	No	No, Yes	FALSE
M7 inFreezAlm?	Module 7 Freeze Alarm	m7_freeze_alm_5	No	No, Yes	FALSE
/M7 FreezReset?	Reset Mot7 Vlv Fail	m7_reset_freeze_5	Off	No, Yes	TRUE
M7 in CWR Alm? (/)	Module 7 Leaving Cond Water Alarm	m7_cwr_alm_5	No	No, Yes	FALSE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

RESET COMP RUNTIME & CYCLES

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Reset Compr Runtime & Cycles Menu						
M1C1Reset Runtm	M1C1 Runtime Reset	m1reset_c1_rtim_5	Off	No, Yes		TRUE
/M1C1Reset Cyc	M1C1 Cycles Reset	m1c1_cycles_reset_5	Off	No, Yes		TRUE
M1C2Reset Runtm	M1C2 Runtime Reset	m1reset_c2_rtim_5	Off	No, Yes		TRUE
/M1C2Reset Cyc	M1C2 Cycles Reset	m1c2_cycles_reset_5	Off	No, Yes		TRUE
M2C1Reset Runtm	M2C1 Runtime Reset	m2reset_c1_rtim_5	Off	No, Yes		TRUE
/M2C1Reset Cyc	M2C1 Cycles Reset	m2c1_cycles_reset_5	Off	No, Yes		TRUE
M2C2Reset Runtm	M2C2 Runtime Reset	m2reset_c2_rtim_5	Off	No, Yes		TRUE
/M2C2Reset Cyc	M2C2 Cycles Reset	m2c2_cycles_reset_5	Off	No, Yes		TRUE
M3C1Reset Runtm	M3C1 Runtime Reset	m3reset_c1_rtim_5	Off	No, Yes		TRUE
/M3C1Reset Cyc	M3C1 Cycles Reset	m3c1_cycles_reset_5	Off	No, Yes		TRUE
M3C2Reset Runtm	M3C2 Runtime Reset	m3reset_c2_rtim_5	Off	No, Yes		TRUE
/M3C2Reset Cyc	M3C2 Cycles Reset	m3c2_cycles_reset_5	Off	No, Yes		TRUE
M4C1Reset Runtm	M4C1 Runtime Reset	m4reset_c1_rtim_5	Off	No, Yes		TRUE
/M4C1Reset Cyc	M4C1 Cycles Reset	m4c1_cycles_reset_5	Off	No, Yes		TRUE
M4C2Reset Runtm	M4C2 Runtime Reset	m4reset_c2_rtim_5	Off	No, Yes		TRUE
/M4C2Reset Cyc	M4C2 Cycles Reset	m4c2_cycles_reset_5	Off	No, Yes		TRUE
M5C1Reset Runtm	M5C1 Runtime Reset	m5reset_c1_rtim_5	Off	No, Yes		TRUE
/M5C1Reset Cyc	M5C1 Cycles Reset	m5c1_cycles_reset_5	Off	No, Yes		TRUE
M5C2Reset Runtm	M5C2 Runtime Reset	m5reset_c2_rtim_5	Off	No, Yes		TRUE
/M5C2Reset Cyc	M5C2 Cycles Reset	m5c2_cycles_reset_5	Off	No, Yes		TRUE
M6C1Reset Runtm	M6C1 Runtime Reset	m6reset_c1_rtim_5	Off	No, Yes		TRUE
/M6C1Reset Cyc	M6C1 Cycles Reset	m6c1_cycles_reset_5	Off	No, Yes		TRUE
M6C2Reset Runtm	M6C2 Runtime Reset	m6reset_c2_rtim_5	Off	No, Yes		TRUE
/M6C2Reset Cyc	M6C2 Cycles Reset	m6c2_cycles_reset_5	Off	No, Yes		TRUE
M7C1Reset Runtm	M7C1 Runtime Reset	m7reset_c1_rtim_5	Off	No, Yes		TRUE
/M7C1Reset Cyc	M7C1 Cycles Reset	m7c1_cycles_reset_5	Off	No, Yes		TRUE

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Product Line: UCH
 Chiller Type: Simul. Heat Recovery
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M7C2Reset Runtm	M7C2 Runtime Reset	m7reset_c2_rtim_5	Off	No, Yes		TRUE
/M7C2Reset Cyc	M7C2 Cycles Reset	m7c2_cycles_reset_5	Off	No, Yes		TRUE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

RESET MODULE SENSOR OOR ALARMS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Reset Module Sensor OOR Alms						
M1C1 inOOR Alm?	Module 1 Comp 1 Sensor OOR	m1_comp1_oor_5	Off	No, Yes		FALSE
/ Reset M1 OOR?	M1 Sensor OOR Reset	m1_oor_sl_reset_5	Off	No, Yes		TRUE
M1C2 inOOR Alm? (/)	Module 1 Comp 2 Sensor OOR	m1_comp2_oor_5	Off	No, Yes		FALSE
M2C1 inOOR Alm?	Module 2 Comp 1 Sensor OOR	m2_comp1_oor_5	Off	No, Yes		FALSE
/ Reset M2 OOR?	M2 Sensor OOR Reset	m2_oor_sl_reset_5	Off	No, Yes		TRUE
M2C2 inOOR Alm? (/)	Module 2 Comp 2 Sensor OOR	m2_comp2_oor_5	Off	No, Yes		FALSE
M3C1 inOOR Alm?	Module 3 Comp 1 Sensor OOR	m3_comp1_oor_5	Off	No, Yes		FALSE
/ Reset M3 OOR?	M3 Sensor OOR Reset	m3_oor_sl_reset_5	Off	No, Yes		TRUE
M3C2 inOOR Alm? (/)	Module 3 Comp 2 Sensor OOR	m3_comp2_oor_5	Off	No, Yes		FALSE
M4C1 inOOR Alm?	Module 4 Comp 1 Sensor OOR	m4_comp1_oor_5	Off	No, Yes		FALSE
/ Reset M4 OOR?	M4 Sensor OOR Reset	m4_oor_sl_reset_5	Off	No, Yes		TRUE
M4C2 inOOR Alm? (/)	Module 4 Comp 2 Sensor OOR	m4_comp2_oor_5	Off	No, Yes		FALSE
M5C1 inOOR Alm?	Module 5 Comp 1 Sensor OOR	m5_comp1_oor_5	Off	No, Yes		FALSE
/ Reset M5 OOR?	M5 Sensor OOR Reset	m5_oor_sl_reset_5	Off	No, Yes		TRUE
M5C2 inOOR Alm? (/)	Module 5 Comp 2 Sensor OOR	m5_comp2_oor_5	Off	No, Yes		FALSE
M6C1 inOOR Alm?	Module 6 Comp 1 Sensor OOR	m6_comp1_oor_5	Off	No, Yes		FALSE
/ Reset M6 OOR?	M6 Sensor OOR Reset	m6_oor_sl_reset_5	Off	No, Yes		TRUE
M6C2 inOOR Alm? (/)	Module 6 Comp 2 Sensor OOR	m6_comp2_oor_5	On	No, Yes		FALSE
M7C1 inOOR Alm?	Module 7 Comp 1 Sensor OOR	m7_comp1_oor_5	Off	No, Yes		FALSE
/ Reset M7 OOR?	M7 Sensor OOR Reset	m7_oor_sl_reset_5	Off	No, Yes		TRUE
M7C2 inOOR Alm? (/)	Module 7 Comp 2 Sensor OOR	m7_comp2_oor_5	Off	No, Yes		FALSE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

ALL MODULE COMP UNLOAD STATUS FN5

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic All Module Compr Unloads FN5						

[LINK\(S\): ALL MODS GEN COMPR UNLOAD STATUS, MOD1 COMPR UNLOAD STATUS, MOD2 COMPR UNLOAD STATUS, MOD3 COMPR UNLOAD STATUS, MOD4 COMPR UNLOAD STATUS, MOD5 COMPR UNLOAD STATUS, MOD6 COMPR UNLOAD STATUS, MOD7 COMPR UNLOAD STATUS, PREV, SYSTEM SETUP, HOME, ALARM](#)

MOD x COMPR UNLOAD STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Module 1 Compr Unload Status						
M1C1 General Unload State :	Module 1 Comp 1 Unload	m1_c1_unld_5	Off	Off, On		FALSE
M1C2 General Unload State :	Module 1 Comp 2 Unload	m1_c2_unld_5	Off	Off, On		FALSE
M1C1 Low Suct Press Unload :	Module 1 Comp 1 Suct Pressure Unload	m1_c1_lo_suc_psi_unld_5	Off	Off, On		FALSE
M1C2 Low Suct Press Unload :	Module 1 Comp 2 Suct Pressure Unload	m1_c2_lo_suc_psi_unld_5	Off	Off, On		FALSE
M1C1 XLow Suct Press Unload :	Module 1 Comp 1 XLow Suct Pressure Unload	m1_c1_lolo_suc_psi_unld_5	Off	Off, On		FALSE
M1C2 XLow Suct Press Unload :	Module 1 Comp 2 XLow Suct Pressure Unload	m1_c2_lolo_suc_psi_unld_5	Off	Off, On		FALSE

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M1C1 Low Suct Temp Unload	Module 1 Comp 1 Suct Temp Unload	m1_c1_lo_suc_tmp_unld_5	Off	Off, On		FALSE
M1C2 Low Suct Temp Unload	Module 1 Comp 2 Suct Temp Unload	m1_c2_lo_suc_tmp_unld_5	Off	Off, On		FALSE
M1 Evap Freeze Temp Unload	Module 1 Freeze trg Unload	m1_freeze_trg_unld_5	Off	Off, On		FALSE
M1 Cond WatOut Temp Unload	Module 1 CWR trg Unload	m1_cwr_trg_unld_5	Off	Off, On		FALSE
M1C1 High Dis Press Unload	Module 1 Comp 1 Dis Pressure Unload	m1_c1_hi_dis_psi_unld_5	Off	Off, On		FALSE
M1C2 High Dis Press Unload	Module 1 Comp 2 Dis Pressure Unload	m1_c2_hi_dis_psi_unld_5	Off	Off, On		FALSE
M1C1 High Dis Temp Unload	Module 1 Comp 1 Dis Temp Unload	m1_c1_hi_dis_tmp_unld_5	Off	Off, On		FALSE
M1C2 High Dis Temp Unload	Module 1 Comp 2 Dis Temp Unload	m1_c2_hi_dis_tmp_unld_5	Off	Off, On		FALSE
M1C1 Hi Suc Supr Ht Unload	Module 1 Comp 1 Dis Temp Unload	m1_c1_hi_suc_sh_unld_5	Off	Off, On		FALSE
M1C2 Hi Suc Supr Ht Unload	Module 1 Comp 2 Dis Temp Unload	m1_c2_hi_suc_sh_unld_5	Off	Off, On		FALSE
M1C1 Compressor No-Run Unload	Module 1 Comp 1 No Run Unload	m1_c1_no_run_unld_5	Off	Off, On		FALSE
M1C2 Compressor No-Run Unload	Module 1 Comp 2 No Run Unload	m1_c2_no_run_unld_5	Off	Off, On		FALSE

LINK(S): PREV, SYSTEM SETUP, HOME, ALARM

MODULE FACTORY SETUP FN6

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Module Factory Setup FN6						

LINK(S): REFRIGERANT TYPE, REFRIG TMP & PRESS SENSORS AVAIL, REFRIG TMP & PSI ALARM SETPTS, PUMP DOWN SETUP, LO SUC SPRHT & LO DISCH SPRHT SETPTS, COMPR MIN MAX RUN TIMES, COMPR ALARM DELAY, MODULE WATER TEMP LIMITS, PREV, SYSTEM SETUP, HOME, ALARM

REFRIGERANT TYPE

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Refrigerant Setup Menu						
Mod Ref Type	Module Compr Ref Type	mod_comp_ref_type_5	410a	410a, 134a		TRUE
Chiller Model Type:	Chiller Model Type	chiller_model_type_5	UCH	UCW, UCH, UCR		TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

REFRIG TMP & PRESS SENSORS AVAIL

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Avail. Sensor Menu Temp. & Pressure						
Dis Pres Avail	Module DISCH PSI AVAIL	mod_disch_psi_avail_5	On	Off, On		TRUE
/Suc Pres Avail	Module SUC PSI AVAIL	mod_suc_psi_avail_5	On	Off, On		TRUE
Dis Temp Avail	Module DISCH TMP AVAIL	mod_disch_tmp_avail_5	Off	Off, On		TRUE
/Suc Temp Avail	Module SUC TMP AVAIL	mod_suc_tmp_avail_5	On	Off, On		TRUE
Avail. Sensor Menu Water Temp.						
Leaving Cond Water Temp CWR Avail	Module CWR AVAIL	mod_cwr_avail_5	On	Off, On		TRUE
EnablCWR LoAlm	Module CWR Enable Low Limit	mod_cwr_lo_enable_5	On	Off, On		TRUE
/EnablCHS HiAlm	Module CWR Enable High Limit	mod_chs_hi_enable_5	On	Off, On		TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

REFRIG TMP & PSI ALARM SETPTS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Refrig. Temp. & Press. Alarm Settings						
DisPrAlm410UCW	High Head Press Sp 410a UCW	mod_hi_disch_press_sp_410_ucw_5	385.0	250	590	TRUE
/DisPrAlm410UCH	High Head Press Sp 410a UCH-UCR	mod_hi_disch_press_sp_410_uchr_5	575.0	300	590	TRUE
DisPrAlm134UCH	High Head Press Sp 134a UCH-UCR	mod_hi_disch_press_sp_134_uchr_5	300.0	200	450	TRUE
Mod Active Status DisPr Alm SP:	Module Hi Disch Press Setpt	mod_hi_disch_press_sp_5	575.0			FALSE
Low Dis Pr Alm SP R134a	Low Head Press Sp 134a	mod_lo_disch_press_sp_134_5	110.0	10	350	TRUE
Low Dis Pr Alm SP R410a	Low Head Press Sp 410a	mod_lo_disch_press_sp_410_5	280.0	10	350	TRUE
Mod Active Status Low DisPr Alm SP:	Module Lo Disch Press Setpt	mod_lo_disch_press_sp_5	280.0			FALSE
High SucPr 410	High Suction Press Sp 410a	mod_high_suct_press_sp_410_5	140.0	10	199	TRUE
/High SucPr 134	High Suction Press Sp 134a	mod_high_suct_press_sp_134_5	50.0	10	199	TRUE
Mod Active Status Hi SucPr Alm SP:	Module High Suction Press Setpt	mod_high_suct_press_sp_5	140.0	10	199	FALSE
Hi DisTp R410A	Module Hi Disch Temp R-410A	mod_hi_disch_tmp_410_5	225.0	150	280	TRUE
/Hi DisTp R134a	Module Hi Disch Temp R-134a	mod_hi_disch_tmp_134_5	250.0	150	280	TRUE
Mod Active Status Hi DisTp Alm SP:	Module Hi Disch Temp Setpt	mod_hi_disch_tmp_sp_5	225.0	150	280	TRUE
Mod Extra Low SucPr Alm SP:	Module LO-LO SUC PSI Setpoint	mod_low_low_press_sp_5	10.0	0	150	TRUE
Mod SucPr Time Delay Before Alarm:	Module LO SUC PSI Delay	mod_lo_suc_psi_delay_5	30.0	0	999	TRUE
HEAT MODE / COOL MODE						
Heat Lo Suc Tp	Module Heat Low Suction Temp	mod_heat_lo_suction_tmp_5	32.0	0	60	TRUE
/Cool Lo Suc Tp	Module Cool Low Suction Temp	mod_cool_lo_suction_tmp_5	32.0	0	60	TRUE
SucPr Alm 410a	Heat Low Suction Press Sp 410a	mod_heat_lo_suc_press_sp_410_5	92.0	10	199	TRUE
/SucPr Alm 410a	Cool Low Suction Press Sp 410a	mod_cool_lo_suc_press_sp_410_5	92.0	10	199	TRUE
SucPr Alm 134a	Heat Low Suction Press Sp 134a	mod_heat_lo_suc_press_sp_134_5	24.0	2	110	TRUE
/SucPr Alm 134a	Cool Low Suction Press Sp 134a	mod_cool_lo_suc_press_sp_134_5	24.0	2	110	TRUE
Htg Low SucPr:	Module Heat Low Suction Press Setpt	mod_heat_low_press_sp_5	92.0			FALSE
/Clg Low SucPr:	Module Cool Low Suction Press Setpt	mod_cool_low_press_sp_5	92.0			FALSE

LINK(S): PREV, SYSTEM SETUP, HOME

LO SUC SPRHT & LO DISCH SPRHT SETPTS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Suc&Dis SuperHt Alm Setpts						
M Lo DisSuprHt	Module Low Disch SuperHt Setpt	mod_lo_disc_supht_sp_5	15.0			TRUE
/M Lo SucSuprHt	Module Low Suct SuperHt Setpt	mod_lo_suc_supht_sp_5	2.0			TRUE
M Hi SucSuprHt (/)	Module High Suct SuperHt Setpt	mod_hi_suc_supht_sp_5	30.0			TRUE
Use High Superheat Cutout?	Use Hi Superheat for Compr Cutout	use_hi_sh_cutout_5	Off	No, Yes		TRUE

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 Chiller Type: Simul. Heat Recovery
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[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

COMPR MIN MAX RUN TIMES

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Compressor Min & Max Run Times						
Compr Minimum On Time (sec)	Module Compr Min Run Time	mod_cmpr_min_run_5	60.0	1	999	TRUE
Compr Minimum Off Time (sec)	Module Compr Min Off Delay	mod_cmpr_off_delay_5	200.0	1	999	TRUE

[LINK\(S\): PREV, ALARM, SYSTEM SETUP, CLOCKSET](#)

COMPR ALARM DELAY

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Compr Alarm Delays						
Mod Alm Delay	Module Compr Status Alarm Delay	mod_comp_stat_alm_delay_5	900.0	5	999	TRUE

[LINK\(S\): PREV, SYSTEM SETUP, HOME, ALARM](#)

MODULE WATER TEMP LIMITS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Module Water Out Temp Limits						
Mod Cool Evp Wat Out Lo Limit: (F)	Module Cool Freeze Target Setpoint	mod_cool_freeze_trg_sp_5	36.0	10	185	TRUE
Mod Cool Evp Wat Out Hi Limit: (F)	Module Cool High Evaporator Leaving Temp	mod_cool_high_evap_lvg_tmp_5	140.0	10	185	TRUE
Mod Cool Cnd Wat Out Lo Limit: (F)	Module Cool Low Condenser Leaving Temp. @ Startup	mod_cool_low_cond_lvg_tmp_5	45.0	10	185	TRUE
Mod Cool Cnd Wat Out Hi Limit: (F)	Module Cool High Cond Leaving Temp at Startup	mod_cool_cwr_trg_sp_5	140.0	10	185	TRUE
Mod Heat Evp Wat Out Lo Limit: (F)	Module Heat Freeze Target Setpoint	mod_heat_freeze_trg_sp_5	36.0	10	185	TRUE
Mod Heat Evp Wat Out Hi Limit: (F)	Module Heat High Evaporator Leaving Temp at Startup	mod_heat_high_evap_lvg_tmp_5	140.0	10	185	TRUE
Mod Heat Cnd Wat Out Lo Limit: (F)	Module Heat Low Condenser Leaving Temp. @ Startup	mod_heat_low_cond_lvg_tmp_5	45.0	10	185	TRUE
Mod Heat Cnd Wat Out Hi Limit: (F)	Module Heat High Cond Leaving Temp at Startup	mod_heat_cwr_trg_sp_5	140.0	10	185	TRUE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

SERVICE MENU SETUP FN7

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Service Menu Setup FN7 FN5						

[LINK\(S\): RESET COMP ALARMS,CALIB WATER TEMPS,CALIB WATER DIFF PRESS,MODULE SENSOR CALIBRATION MENU,ALL COMPR RUNTIME CALIBR MENU, RESET MODULE SENSOR OOR ALARMS,WATER & AIR TEMP LIMITS,LOCK WATER TEMPS,RESET COMP RUNTIME & CYCLES,DIAGNOSTICS MANUAL MODE, ALL MODULE COMP UNLOAD STATUS,MODE TIME DELAY SETTINGS,MODULATING MOT VALVE SETTINGS,MOTORIZED VALVE OPTION,MODULE ALARM CONDITION RETRIES TIME MSTR,PREV, SYSTEM SETUP, HOME, ALARM](#)

CALIB WATER TEMPS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Cool InSens: (F)	EVAP IN TMP	chwr_temp_1	60.9 °F			FALSE
/Cool Wat In: (F)	CHWR In Temp Status	chwr_stat_1	60.9			FALSE
Cool In Calib Offset: (F)	CHWR Temp Calibration Point	chwr_cali_point_1	0.0	-199	199	TRUE
CoolOutSens: (F)	EVAP OUT TMP	chws_temp_1	51.5 °F			FALSE
/Cool WatOut: (F)	CHWS Out Temp Status	chws_stat_1	51.5			FALSE

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Cool Out Calib Offset: (F)	CHWS Temp Calibration Point	chws_cali_point_1	0.0	-199	199	TRUE
HeatOut Sens: (F)	COND OUT TMP	cwr_temp_1	120.6 °F			FALSE
/HeatWtrOut: (F)	CWR Out Status	cwr_stat_1	120.6			FALSE
Heat Out Calib Offset: (F)	CWR Calibration Point	cwr_cali_point_1	0.0	-199	199	TRUE
Heat In Sens: (F)	COND IN TMP	cws_temp_1	94.0 °F			FALSE
/HeatWtr In: (F)	CWS In Temp Status	cws_stat_1	94.0 °F			FALSE
Heat In Calib Offset: (F)	CWS Temp Calibration Point	cws_cali_point_1	0.0	-199	199	TRUE
SourcOutSens: (F)	SOURCE OUT TMP	swr_temp_1	105.7 °F			FALSE
/Source Out: (F)	SWR Out Status	swr_stat_1	105.7			FALSE
Source Water Out Calib Offset: (F)	SWR Calibration Point	swr_cali_point_1	0.0	-199	199	TRUE
SourcIn Sens: (F)	SOURCE IN TMP	sws_temp_1	109.7 °F			FALSE
/Source In: (F)	SWS In Temp Status	sws_stat_1	109.7			FALSE
Source Water In Calib Offset:	SWS Temp Calibration Point	sws_cali_point_1	0.0	-199	199	TRUE
Outdoor Sens: (F)	OA Temp	oat_1	-60.2 °F			FALSE
/Outdr Air : (F)	OAT Status	oat_stat_1	60.8			FALSE
Outdoor Air Calib Offset: (F)	OAT Calibration Point	oat_cali_point_1	121.0	-199	199	TRUE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

CALIB WATER DIFF PRESS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Cool Water Dif Psi Stat: (PSID)	Diff Press Cool Load	diff_press_cool_load_1	26.6483 psi			FALSE
Cool PsiCalib Offset: (PSID)	Chilled Diff Press Calibration Point	chwpsi_cali_point_1	0.0	-199	199	TRUE
Heat Water Dif Psi Stat: (PSID)	Diff Press Heat Load	diff_press_heat_load_1	26.539558 psi			FALSE
Heat Psi Calib Offset: (PSID)	Cond Diff Press Calibration Point	cwpsi_cali_point_1	0.0	-199	199	TRUE
Source Water Dif Psi Stat: (PSID)	Diff Press Source	diff_press_source_load_1	26.6483 °F			FALSE
Source Water Psi Calib Offset: (P)	Source Diff Press Calibration Point	srcpsi_cali_point_1	0.0	-199	199	TRUE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

MODULE SENSOR CALIBRATION MENU

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Module Sensor Calib Menu						

[LINK\(S\): MODULE 1 SENSOR CALIBRATION,MODULE 2 SENSOR CALIBRATION,MODULE 3 SENSOR CALIBRATION,MODULE 4 SENSOR CALIBRATION,MODULE 5 SENSOR CALIBRATION,MODULE 6 SENSOR CALIBRATION,MODULE 7 SENSOR CALIBRATION,PREV, SYSTEM SETUP, HOME, ALARM](#)

MODULE x SENSOR CALIBRATION

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
ClimaCool Module 1 Water Calibrations						
Load OutCal: (F)	M1 Load Temp Calib. Point	m1_load_temp_cp_5	0.0	-250	250	TRUE
/LoadOutSt: (F)	M1 Load Leaving Temp	m1_load_temp_stat_5	69.3			FALSE
SRCOuCal: (F)	M1 SRC Temp Calib. Point	m1_src_temp_cp_5	0.0	-250	250	TRUE
/SRC OutStat: (F)	M1 Source Leaving Temp	m1_src_temp_stat_5	118.1			FALSE
ClimaCool Module 1 Refrig Calibrations						
C1DisPresCal: (psi)	M1C1 DIS Pressure Calib. Point	m1c1_disch_pres_cp_5	0.0	-250	250	TRUE
/C1DisPr: (psi)	Module 1 Comp 1 Disch Press	m1_c1_disch_pres_stat_5	367.3	0	350	FALSE
C2DisPresCal: (psi)	M1C2 DIS Pressure Calib. Point	m1c2_disch_pres_cp_5	0.0	-250	250	TRUE
/C2DisPr: (psi)	Module 1 Comp 2 Discharge Pressure	m1_c2_disch_pres_stat_5	366.4	0	350	FALSE
C1SucPresCal: (psi)	M1C1 SUC Pressure Calib. Point	m1c1_suc_pres_cp_5	0.0	-250	250	TRUE

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/C1SucPr: (ps)	Module 1 Comp 1 Suction Pressure	m1_c1_suc_pres_stat_5	122.4			FALSE
C2SucPresCal: (psi)	M1C2 SUC Pressure Calib. Point	m1c2_suc_pres_cp_5	0.0	-250	250	TRUE
/C2SucPr: (ps)	Module 1 Comp 2 Suction Pressure	m1_c2_suc_pres_stat_5	122.4			FALSE
C1DisTmpCal: (F)	M1C1 DIS Temp Calib. Point	m1c1_disch_temp_cp_5	0.0	-250	250	TRUE
/C1DisTp: (F)	Module 1 Comp 1 Disch Temp	m1_c1_disch_temp_stat_5	0.0			FALSE
C2DisTmpCal: (F)	M1C2 DIS Temp Calib. Point	m1c2_disch_temp_cp_5	0.0	-250	250	TRUE
/C2DisTp: (F)	Module 1 Comp 2 Disch Temp	m1_c2_disch_temp_stat_5	0.0			FALSE
C1SucTempCal: (F)	M1C1 SUC Temp Calib. Point	m1c1_suc_tmp_cp_5	0.0	-250	250	TRUE
/C1SucTp: (F)	Module 1 Comp 1 Suction Temp	m1_c1_suct_temp_stat_5	46.5			FALSE
C2SucTempCal: (F)	M1C2 SUC Temp Calib. Point	m1c2_suc_tmp_cp_5	0.0	-250	250	TRUE
/C2SucTp: (F)	Module 1 Comp 2 Suction Temp	m1_c2_suct_temp_stat_5	46.2			FALSE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

ALL COMPR RUNTIME CALIBR MENU

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Compressor Runtime Calibration Menu						
M1C1RtCal:	M1C1 Runtime Calibration Offset	m1_c1_rtime_calib_1	0.0			TRUE
/M5C1RtCal:	M5C1 Runtime Calibration Offset	m5_c1_rtime_calib_1	0.0			TRUE
M1C2RtCal:	M1C2 Runtime Calibration Offset	m1_c2_rtime_calib_1	0.0			TRUE
/M5C2RtCal:	M5C2 Runtime Calibration Offset	m5_c2_rtime_calib_1	0.0			TRUE
M2C1RtCal:	M2C1 Runtime Calibration Offset	m2_c1_rtime_calib_1	0.0			TRUE
/M6C1RtCal:	M6C1 Runtime Calibration Offset	m6_c1_rtime_calib_1	0.0			TRUE
M2C2RtCal:	M2C2 Runtime Calibration Offset	m2_c2_rtime_calib_1	0.0			TRUE
/M6C2RtCal:	M6C2 Runtime Calibration Offset	m6_c2_rtime_calib_1	0.0			TRUE
M3C1RtCal:	M3C1 Runtime Calibration Offset	m3_c1_rtime_calib_1	0.0			TRUE
/M7C1RtCal:	M7C1 Runtime Calibration Offset	m7_c1_rtime_calib_1	0.0			TRUE
M3C2RtCal:	M3C2 Runtime Calibration Offset	m3_c2_rtime_calib_1	0.0			TRUE
/M7C2RtCal:	M7C2 Runtime Calibration Offset	m7_c2_rtime_calib_1	0.0			TRUE
M4C1RtCal:	M4C1 Runtime Calibration Offset	m4_c1_rtime_calib_1	0.0			TRUE
M4C2RtCal:	M4C2 Runtime Calibration Offset	m4_c2_rtime_calib_1	0.0			TRUE

[LINK\(S\): PREV, SYSTEM SETUP, HOME, ALARM](#)

LOCK WATER TEMPS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Evap Wat In Lock :	Lock CHWR Temp	lock_chwr_1	No	Off, On		TRUE

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Evap Wat In Lock Value : (F)	CHWR Lock Value	chwr_lock_val_1	54.0	28	115	TRUE
Evap Wat Out Lock:	Lock EVAP LVG TMP	lock_chws_1	No	Off, On		TRUE
Evap Wat Out Lock Value: (F)	EVAP LVG TMP Lock Value	chws_lock_val_1	43.0	28	115	TRUE
Cond Wat In Lock :	Lock CWS Temp	lock_cws_1	No	Off, On		TRUE
Cond Wat In Lock Value : (F)	CWS Lock Value	cws_lock_val_1	85.0	25	140	TRUE
Cond Wat Out Lock:	Lock CWR Temp	lock_cwr_1	No	Off, On		TRUE
Cond Wat Out Lock Value: (F)	CWR Lock Value	cwr_lock_val_1	58.0	25	140	TRUE
Outdoor Air Lock:	Lock CHWS Temp	lock_oat_1	Yes	Off, On		TRUE
Outdoor Air Lock Value: (F)	OAT Lock Value	oat_lock_val_1	61.0	-20	140	TRUE
Source Wat In Lock :	Lock SWS Temp	lock_sws_1	No	Off, On		TRUE
Source Wat In Lock Value : (F)	SWS Lock Value	sws_lock_val_1	54.0	25	140	TRUE
Source Wat Out Lock:	Lock SWR Temp	lock_swr_1	No	Off, On		TRUE
Source Wat Out Lock Value: (F)	SWR Lock Value	swr_lock_val_1	62.0	25	140	TRUE
Sens4 Wat Out Lock:		lock_sens4_1		Off, On		TRUE
Sens4 Wat Out Lock Value: (F)		sens4_lock_val_1		25	140	TRUE
Sens5 Wat Out Lock:		lock_sens5_1		Off, On		TRUE
Sens5 Wat Out Lock Value: (F)		sens5_lock_val_1		25	140	TRUE
Sens9 Wat Out Lock:		lock_sens9_1		Off, On		TRUE
Sens9 Wat Out Lock Value: (F)		sens9_lock_val_1		25	140	TRUE
Sens10 Wat Out Lock:		lock_sens10_1		Off, On		TRUE
Sens10 Wat Out Lock Value: (F)		sens10_lock_val_1		25	140	TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

DIAGNOSTICS MANUAL MODE

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
(/)						
Link (/)		Manual Mode M1, Manual Mode M2				
Link (/)		Manual Mode M3, Manual Mode M4				
Link (/)		Manual Mode M5, Manual Mode M6				

LINK(S): MANUAL MODE M7, LOCK WATER TEMPS,PREV, SYSTEM SETUP, HOME, ALARM

MANUAL MODE Mx

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
M1 Manual Mode	M1 Manual Mode Enable	m1_man_mode_5	Off	Off, On		TRUE
M1C1 Manual ON	M1C1 Manual Run	m1c1_man_run_5	Off	Off, On		TRUE
M1C1 Status:	Module 1 Comp 1 Status	m1_comp1_status_5	On	Off, On		FALSE
M1C2 Manual ON	M1C2 Manual Run	m1c2_man_run_5	Off	Off, On		TRUE
M1C2 Status:	Module 1 Comp 2 Status	m1_comp2_status_5	On	Off, On		FALSE
M1 Manual Cool Mode	M1 Manual Cool Run	m1_mancool_run_5	Off	Off, On		TRUE
M1 Manual Heat Mode	M1 Manual Heat Run	m1_manheat_run_5	Off	Off, On		TRUE
M1 Manual Heat Recovery Mode	M1 Manual Heat Recovery Run	m1_manheatrec_run_5	Off	Off, On		TRUE
Max Time Allowed in Manual Mode: (s)	Man Mode Time	man_mode_time_5	1900.0	1	2999	TRUE
Force Termination of Manual Mode?	M1 Force Termination of Manual Mode	m1_forceman_5	Off	No, Yes		TRUE

LINK(S): PREV, SERVICE MENU SETUP, HOME

MODULE ALARM CONDITION RETRIES

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Module Alarm Condition Retries						
Module Hi Disch Press Retry:	Module HI DIS PSI RETRY	mod_hi_dis_psi_retry_5	5.0	0	9	TRUE
Module Low Suct Press Retry:	Module LO SUC PSI RETRY	mod_lo_suc_psi_retry_5	3.0	0	9	TRUE

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Module Freeze Target Retry:	Module FREEZE TRG RETRY	mod_freeze_trg_retry_5	3.0	0	9	TRUE
Module Hi Cond Water Retry:	Module CWR TRG RETRY	mod_cwr_trg_retry_5	5.0	0	9	TRUE
Module Hi Disch Temp Retry:	Module HI DIS TMP RETRY	mod_hi_dis_tmp_retry_5	5.0	0	9	TRUE
Module Low Suct Temp Retry:	Module LO SUC TMP RETRY	mod_lo_suc_tmp_retry_5	1.0	0	9	TRUE

LINK(S): PREV, ALARM, SYSTEM SETUP, CLOCKSET

MASTER MICRO FACTORY SETUP FN8

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Master Ctrlr Fact Setup FN8 FN5						

LINK(S): MODULE SIZE SELECTOR,MODULE NUMBER SELECTION,FIX MODULES AS HEAT OR COOL,SELECT % HEAT/COOL CNTRL SCHEME,MOT VLV OVERRIDE FROM BAS, PID COOL STG1 SETUP,PID HEAT STG1 SETUP,MOTORIZED VALVE OPTION,MODULATING MOT VALVE SETTINGS,REMOTE HEAT & COOL SETPOINT ADJUST, DEMAND LIMITING SETUP,CHANNELS 8 & 11 SETUP,CHANNELS 8 & 11 SCALING SETUP,WATER & AIR TEMP LIMITS,STARTUP & STAGE DELAYS, ALL MODULE COMP UNLOAD STATUS,COMPR SEQUENCING METHOD,HEAT TRG RESET ON SOURCE WATER OUT,COOL TRG RESET ON SOURCE WATER OUT, MODE TIME DELAY SETTINGS,KEYPAD,PREV, SYSTEM SETUP, HOME, ALARM

MODULE SIZE SELECTOR

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
UNUSED Module Selector Screen Legend						
Declare Module #1 as UNUSED?:	Module 1 Unused	mod1_unused_1	No	No, Yes		TRUE
Declare Module #2 as UNUSED?:	Module 2 Unused	mod2_unused_1	No	No, Yes		TRUE
Declare Module #3 as UNUSED?:	Module 3 Unused	mod3_unused_1	No	No, Yes		TRUE
Declare Module #4 as UNUSED?:	Module 4 Unused	mod4_unused_1	No	No, Yes		TRUE
Declare Module #5 as UNUSED?:	Module 5 Unused	mod5_unused_1	No	No, Yes		TRUE
Declare Module #6 as UNUSED?:	Module 6 Unused	mod6_unused_1	No	No, Yes		TRUE
Declare Module #7 as UNUSED?:	Module 7 Unused	mod7_unused_1	No	No, Yes		TRUE

LINK(S): PREV, ALARM, SYSTEM SETUP, CLOCKSET

MODULE NUMBER SELECTION

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
FIX Module as Cool or Heat Selector						
Module #1 Number:	M1 Module Number	m1_mod_number_5	1.0	0	9	TRUE
Module #2 Number:	M2 Module Number	m2_mod_number_5	2.0	0	9	TRUE
Module #3 Number:	M3 Module Number	m3_mod_number_5	3.0	0	9	TRUE
Module #4 Number:	M4 Module Number	m4_mod_number_5	4.0	0	9	TRUE
Module #5 Number:	M5 Module Number	m5_mod_number_5	5.0	0	9	TRUE
Module #6 Number:	M6 Module Number	m6_mod_number_5	6.0	0	9	TRUE
Module #7 Number:	M7 Module Number	m7_mod_number_5	7.0	0	9	TRUE

LINK(S): PREV, ALARM, SYSTEM SETUP, CLOCKSET

FIX MODULES AS HEAT OR COOL

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
FIX Mod as Cool or Heat Priority or HR						
Use Ext Water Header Bypass Kits?:	Use Header Bypass Valves	bypass_go_1	On	No, Yes		TRUE
Time Del After Signal to Close MV:	Mot Valve Delay Before Closing	close_vlv_delay_5	50.0	0	999	TRUE
Fix Mod #1 as Heat Recov Module?:	Fix Mod1 as Heat Recovery	fix_module1_heat_recov_1	No	No, Yes		TRUE
Fix Mod #1 as Cool Priority Mod?:	Fix Mod1 as Heat To Source	fix_module1_heat_to_src_1	No	No, Yes		TRUE
Fix Mod #1 as Heat Priority Mod?:	Fix Mod1 as Cool To Source	fix_module1_cool_to_src_1	No	No, Yes		TRUE
Never Close Module #1?:	Never Close Module #1	never_close_mod1_1	No	No, Yes		TRUE
Fix Mod #2 as Heat Recov Module?:	Fix Mod2 as Heat Recovery	fix_module2_heat_recov_1	No	No, Yes		TRUE

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Product Line: UCH
 Chiller Type: Simul. Heat Recovery
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Fix Mod #2 as Cool Priority Mod?:	Fix Mod2 as Heat To Source	fix_module2_heat_to_src_1	No	No, Yes	TRUE
Fix Mod #2 as Heat Priority Mod?:	Fix Mod2 as Cool To Source	fix_module2_cool_to_src_1	No	No, Yes	TRUE
Never Close Module #2?:	Never Close Module #2	never_close_mod2_1	No	No, Yes	TRUE
Fix Mod #3 as Heat Recov Module?:	Fix Mod3 as Heat Recovery	fix_module3_heat_recov_1	No	No, Yes	TRUE
Fix Mod #3 as Cool Priority Mod?:	Fix Mod3 as Heat To Source	fix_module3_heat_to_src_1	No	No, Yes	TRUE
Fix Mod #3 as Heat Priority Mod?:	Fix Mod3 as Cool To Source	fix_module3_cool_to_src_1	No	No, Yes	TRUE
Never Close Module #3?:	Never Close Module #3	never_close_mod3_1	No	No, Yes	TRUE
Fix Mod #4 as Heat Recov Module?:	Fix Mod4 as Heat Recovery	fix_module4_heat_recov_1	No	No, Yes	TRUE
Fix Mod #4 as Cool Priority Mod?:	Fix Mod4 as Heat To Source	fix_module4_heat_to_src_1	No	No, Yes	TRUE
Fix Mod #4 as Heat Priority Mod?:	Fix Mod4 as Cool To Source	fix_module4_cool_to_src_1	No	No, Yes	TRUE
Never Close Module #4?:	Never Close Module #4	never_close_mod4_1	No	No, Yes	TRUE
Fix Mod #5 as Heat Recov Module?:	Fix Mod5 as Heat Recovery	fix_module5_heat_recov_1	No	No, Yes	TRUE
Fix Mod #5 as Cool Priority Mod?:	Fix Mod5 as Heat To Source	fix_module5_heat_to_src_1	No	No, Yes	TRUE
Fix Mod #5 as Heat Priority Mod?:	Fix Mod5 as Cool To Source	fix_module5_cool_to_src_1	No	No, Yes	TRUE
Never Close Module #5?:	Never Close Module #5	never_close_mod5_1	No	No, Yes	TRUE
Fix Mod #6 as Heat Recov Module?:	Fix Mod6 as Heat Recovery	fix_module6_heat_recov_1	No	No, Yes	TRUE
Fix Mod #6 as Cool Priority Mod?:	Fix Mod6 as Heat To Source	fix_module6_heat_to_src_1	No	No, Yes	TRUE
Fix Mod #6 as Heat Priority Mod?:	Fix Mod6 as Cool To Source	fix_module6_cool_to_src_1	No	No, Yes	TRUE
Never Close Module #6?:	Never Close Module #6	never_close_mod6_1	No	No, Yes	TRUE
Fix Mod #7 as Heat Recov Module?:	Fix Mod7 as Heat Recovery	fix_module7_heat_recov_1	No	No, Yes	TRUE
Fix Mod #7 as Cool Priority Mod?:	Fix Mod7 as Heat To Source	fix_module7_heat_to_src_1	No	No, Yes	TRUE
Fix Mod #7 as Heat Priority Mod?:	Fix Mod7 as Cool To Source	fix_module7_cool_to_src_1	No	No, Yes	TRUE
Never Close Module #7?:	Never Close Module #7	never_close_mod7_1	No	No, Yes	TRUE

LINK(S): PREV, ALARM, SYSTEM SETUP, CLOCKSET

SELECT % HEAT/COOL CNTRL SCHEME

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Percent Heat/Cool Module Cntrl Scheme There are 4 Methods to Assign Max# of Heat,Cool or HT Rec Mods shown below. ONLY ONE METHOD CAN BE USED AT A TIME. 1) Use Heat/Cool Stg Diff Method?	Use Heat/Cool Stage Differential	use_ht_cl_stg_diff_1	Yes	No, Yes		TRUE
Heat/Cool Stage Differential:	HEAT-COOL STG DIFF	heat_cool_stg_diff_1	2.0	0	9	TRUE
2) Select Fract of Mods as Heat or Cool: *Use Heat/Cool Mod Fract Method ?	Use Heat/Cool Module Fractions	use_ht_cl_mod_fract_1	No	No, Yes		TRUE
*If using Ht/Cl Fract, must turn "ON": No Heat Recov Enable (BAS):	No Heat Recov Enable (BAS)	enable_bas_no_htrec_1	Off	Off, On		TRUE
*Fract of Tot Mods as Cool Pr:	Fraction of Cool Mods vs Total Mods	fract_cool_mods_1	0.75	0	1	TRUE
*Fract of Tot Mods as Heat Pr:	Fraction of Heat Mods vs Total Mods	fract_heat_mods_1	0.25	0	1	TRUE
* NOTE: Fract Can be Betwn 0.05 & 1.00 NOTE: Fract Cool Mods + Fract Heat Mods must be (</=) less than or equal to 1.						
* Cool Cmpr Fract PID Overshoot:	Fraction of Cool Compressor PID Overshoot	fract_cool_cmpr_overshoot_1	0.5	0	9.99	TRUE
* Heat Cmpr Fract PID Overshoot:	Fraction of Heat Compressor PID Overshoot	fract_heat_cmpr_overshoot_1	0.5	0	9.99	TRUE
NOTE: Overshoot expressed as # of Compr Counts above PID Fract(eg 0.5,1.0,2.0)						
3) Or, See Demand Limiting Menu below:						
4) Or, See Fix Mods as Heat or Cool Menu:						



LOCAL ACCESS DISPLAY TABLE

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Use Max Possible Compressors?	Use Max Possible Compr	use_max_poss_compr_1	No	No, Yes		TRUE
Use Max Available Compressors?	Use Max Available Compr	use_max_avail_compr_1	Yes	No, Yes		TRUE

LINK(S): DEMAND LIMITING SETUP, FIX MODULES AS HEAT OR COOL, PREV, ALARM, SYSTEM SETUP, CLOCKSET

MOT VLV OVERRIDE FROM BAS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Global Mot Vlv "Open Mod" BAS O'rides Cond Ld :SLH Mot Vlv O'ride Adj V	Module SLH Override MV Adjustment	mod_slh_ovrd_adj_5	0.0	0	10	TRUE
Evap Src:SLC Mot Vlv O'ride Adj V	Module SLC Override MV Adjustment	mod_slc_ovrd_adj_5	0.0	0	10	TRUE
Evap Ld :MVL Mot Vlv O'ride Adj V	Module MVL Override MV Adjustment	mod_mvl_ovrd_adj_5	0.0	0	10	TRUE
Cond Src:MVS Mot Vlv O'ride Adj V	Module MVS Override MV Adjustment	mod_mvs_ovrd_adj_5	0.0	0	10	TRUE
Notes:*Cannot have MVS adj with SLH adj *Cannot have MVL adj with SLC adj *O'ride value of 2V signify a closed MV *O'ride value 10V signify 100% open MV * SLH is Cond Hot Wtr Load (HtRec&HtPr) * SLC is Evap Cold Wtr Src (HeatPrior) * MVS is Cond Hot Wtr Src (CoolPrior) * MVL is Evap ColdWtr Load (HtRec&ClPr)						

LINK(S): PREV, STATUS, HOME, ALARM

PID COOL STG1 SETUP

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Cool PID Stage #1 Setup						
Stage One Cool PID Output (%)	Stage 1 Cooling PID	stg1_clg_pid_1	152.26709			FALSE
Stage One Cool PID Interval	Clg PID Interval	clg_interval_1	2.0 sec	2	60	TRUE

Use Pre-Calc PID Values Below?	Use Calculated P and I	use_calc_prop_integ_1	No	No, Yes		TRUE
Stage One Cool PID P-Gain:	Calc Cooling Proportional	calc_clg_proportional_1	18.0	0	100	FALSE
Stage One Cool PID I-Gain #1:	Calc Cooling PID	calc_clg_integral_1	0.32000002	0	10	FALSE
Clg PID Rise: (%/min)	Calc Cooling Rise	calc_clg_rise_1	2.857143	2	150	FALSE
Clg PID Fall: (%/min)	Calc Cooling Fall	calc_clg_fall_1	17.857141	2	150	FALSE

Use 4Stg Rise if(Temp-Setpt)>"XX"?	Use Rise Doubler	use_double_rise_1	No	No, Yes		TRUE
Set "XX" equal to:	Clg PID Double Rise Amount	clg_dblrise_1	6.0 sec	0	99	TRUE
Use 3Stg Fall if(Temp-Setpt)<"YY"?	Use Rise Doubler	use_double_rise_1	No	No, Yes		TRUE
Set "YY" equal to:	Clg PID Double Fall Amount	clg_dblfall_1	6.0 sec	-99.9	99	TRUE
Or Manually Select PID Values Below:						
Cool PID P-Gain:	Clg PID P-gain	clg_p_gain_1	16.0	0	100	TRUE
Cool PID I-Gain #1:	Clg PID I-gain	clg_i_gain_1	0.4	0	10	TRUE
MaxClg Rise:	Clg PID Rise	clg_rise_1	8.0 sec	0.25	99	TRUE
%/min 4StgRise:	Cooling Double Rise	clg_dbl_rise_1	8.0	0.25	99	FALSE
MaxClg Fall:	Clg PID Fall	clg_fall_1	35.0	0.25	99	TRUE
%/min 3StgFall:	Cooling Double Fall	clg_dbl_fall_1	35.0	0.25	99	FALSE

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Cool Max PID Limit with Mot Vlv: (%)	Max Cool Pid Limit with Motorized Valves	max_cool_pid_lim_mv_1	163.57143	0	350	FALSE
Max PID of Last Stgw/MVlv: (%)	Max Possible PID Count	max_pid_last_stg_mv_1	200.0	100	300	TRUE
Cool Deadbd1:	Clg PID DB1	clg_db1_1	0.3	0	10	TRUE
/Cool Deadbd2:	Clg PID DB2	clg_db2_1	0.0	0	10	TRUE
Stage One Cool PID I-Gain 2	Clg PID IG2	clg_ig2_1	0.0	0	10	TRUE
PID Switching Differential: (%)	PID Differential Factor	pid_diff_fact_1	5.0	-100	100	TRUE
Cool Cntrl Setpt Offset: (F)	Cool Control Setpoint Offset	cl_cntrl_spt_offset_1	0.0	-25	25	TRUE
Use Auto PID Reset if at Max PID?	Use Automatic PID Reset Feature	use_auto_pid_reset_1	Yes	No, Yes		TRUE
Delay at Max PID before reset: (s)	Delay Before Auto PID Reset	delay_before_auto_pid_reset_1	300.0 sec	0	9999	TRUE
Show Alarm if AutoPIDReset Occurs:	Use Automatic PID Reset Alarm	use_auto_pid_reset_alm_1	No	No, Yes		TRUE

LINK(S): PREV, ALARM, SYSTEM SETUP, CLOCKSET

PID HEAT STG1 SETUP

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Heat PID Stage #1 Setup						
Stage One Heat PID Output (%)	Stage 1 Heating PID	stg1_htg_pid_1	192.14285			FALSE
Stage One Heat PID Interval	Htg PID Interval	htg_interval_1	2.0 sec	2	60	TRUE

Use Pre-Calc PID Values Below?	Use Calculated P and I	use_calc_prop_integ_1	No	No, Yes		TRUE
Stage One Heat PID P-Gain :	Calc Heating Proportional	calc_htg_proportional_1	18.0	0	100	FALSE
Stage One Heat PID I-Gain#1:	Calc Heating PID	calc_htg_integral_1	0.32000002	0	10	FALSE
Htg PID Rise: (%/min)	Calc Heating Rise	calc_htg_rise_1	2.857143	2	150	FALSE
Htg PID Fall: (%/min)	Calc Heating Fall	calc_htg_fall_1	17.857141	2	150	FALSE

Use 4-StgRise if(Setpt-Temp)>"XX"?	Use Rise Doubler	use_double_rise_1	No	No, Yes		TRUE
Set "XX" equal to:	Htg PID Double Rise Amount	htg_dblrise_1	6.0 sec	0	99	TRUE
Use 3-StgFall if(Setpt-Temp)<"YY"?	Use Rise Doubler	use_double_rise_1	No	No, Yes		TRUE
Set "YY" equal to:	Htg PID Double Fall Amount	htg_dbllfall_1	6.0 sec	-99.9	99	TRUE
Or Manually Select PID Values Below:						
Heat PID P-Gain :	Htg PID P-gain	htg_p_gain_1	16.0	0	100	TRUE
Heat PID I-Gain#1:	Htg PID I-gain	htg_i_gain_1	0.4	0	10	TRUE
Max Htg Rise:	Htg PID Rise	htg_rise_1	8.0 sec	0.25	99	TRUE
%/min 4StRise:	Hot Water Double Rise	hw_dbl_rise_1	8.0	0.25	99	FALSE
Max Htg Fall:	Htg PID Fall	htg_fall_1	35.0	0.25	99	TRUE
%/min 3StFall:	Hot Water Double Fall	hw_dbl_fall_1	35.0	0.25	99	FALSE

Heat Max PID Limit with Mot Vlv: (%)	Max Heat Pid Limit with Motorized Valves	max_heat_pid_lim_mv_1	163.57143	0	350	FALSE
Max PID of Last Stgw/MVlv: (%)	Max Possible PID Count	max_pid_last_stg_mv_1	200.0	100	300	FALSE
PID Switching Differential: (%)	PID Differential Factor	pid_diff_fact_1	5.0	-100	100	TRUE
Heat Cntrl Setpt Offset: (F)	HeatControl Setpoint Offset	ht_cntrl_spt_offset_1	0.0	-25	25	TRUE
Heat Deadbd1:	Htg PID DB1	htg_db1_1	2.0	0	10	TRUE
/Heat Deadbd2:	Htg PID DB2	htg_db2_1	0.0	0	10	TRUE
Stage One Heat PID I-Gain 2	Htg PID IG2	htg_ig2_1	0.0	0	10	TRUE

LINK(S): PREV, ALARM, SYSTEM SETUP, CLOCKSET

MOTORIZED VALVE OPTION

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Motorized Valve Option						

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Product Line: UCH
 Chiller Type: Simul. Heat Recovery
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Motorized Valves:	Motorized Valve Options	mot_vlv_opt_5	MVCONDEVAP	No Mot Vlvs, Evap Mot Vlvs Only, Cond&Evap Mot Vlvs			TRUE
Low Head Press Setpoint Status:	Module Lo Disch Press Setpt	mod_lo_disch_press_sp_5	280.0	1	585	FALSE	
Low Head Press Setpoint R410A :	Low Head Press Sp 410a	mod_lo_disch_press_sp_410_5	280.0	1	585	TRUE	
Low Head Press Setpoint R134a :	Low Head Press Sp 134a	mod_lo_disch_press_sp_134_5	110.0	1	450	TRUE	
Cond Mot Vlv PID Settings							
Cond MV PID Interval:	CDMV PID Interval	cdmv_interval_5	1.0 sec	1	180	TRUE	
Cond MV PID P-Gain :	CDMV PID P-gain	cdmv_p_gain_5	4.5	1	400	TRUE	
Cond MV PID I-Gain :	CDMV PID I-gain	cdmv_i_gain_5	0.015	0	99	TRUE	
Cond MV PID Deadband:	CDMV PID Deadband	cdmv_pid_db_5	0.0	0	99	TRUE	
Cond MV PID Ramp sec:	CDMV PID RAMP	cdmv_pid_ramp_5	1.0	1	999	TRUE	
High Suc Press Setpoint Status:	Module High Suction Press Setpt	mod_high_suct_press_sp_5	140.0	1	585	FALSE	
High Suc Press Setpoint R410A :	High Suction Press Sp 410a	mod_high_suct_press_sp_410_5	140.0	1	585	TRUE	
High Suc Press Setpoint R134a :	High Suction Press Sp 134a	mod_high_suct_press_sp_134_5	50.0	1	450	TRUE	
Evap Mot Vlv PID Settings							
Evap MV PID Interval:	EVMV PID Interval	evmv_interval_5	1.0 sec	1	180	TRUE	
Evap MV PID P-Gain :	EVMV PID P-gain	evmv_p_gain_5	4.5	1	999	TRUE	
Evap MV PID I-Gain :	EVMV PID I-gain	evmv_i_gain_5	0.017	0	99	TRUE	
Evap MV PID Deadband:	EVMV PID Deadband	evmv_pid_db_5	0.0	0	99	TRUE	
Evap MV PID Ramp sec:	EVMV PID RAMP	evmv_pid_ramp_5	1.0	1	999	TRUE	
Cond Mot Vlv Delay Before Alm:	Module COND VLV ALM DELAY	mod_cond_vlv_alm_delay_5	999999.0	1	999999	TRUE	
Evap Mot Vlv Delay Before Alm:	Module EVAP VLV ALM DELAY	mod_evap_vlv_alm_delay_5	999999.0	1	999999	TRUE	
Sourc Mot Vlv Delay Before Alm:	Module SOURCE VLV ALM DELAY	mod_source_vlv_alm_delay_5	999999.0	1	999999	TRUE	
Use High Superheat Cutout?	Use Hi Superheat for Compr Cutout	use_hi_sh_cutout_5	Off	No, Yes		TRUE	
Mod High Suction Superheat Setpt:	Module High Suct SuperHt Setpt	mod_hi_suc_supht_sp_5	30.0	0	99	TRUE	

LINK(S): PREV, SYSTEM SETUP, HOME, ALARM

MODULATING MOT VALVE SETTINGS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Modulating Mot Vlv Settings						
Mod Lowest Head Press Adj:	Module Head Pressure Positive Adj	mod_hp_pos_adj_5	30.0	10	550	TRUE
Mod Highest Suct Pres Adj:	Module Suction Pressure Negative Adj	mod_sp_neg_adj_5	15.0	10	265	TRUE
Mod Minimum Cond Heat MV Adjus:	Module Minimum MV Adjustment Heat	mod_min_cdmv_adj_heat_5	5.6	0	100	TRUE
Mod Minimum Cond Cool MV Adjus:	Module Minimum MV Adjustment Cool	mod_min_cdmv_adj_cool_5	4.4	0	100	TRUE
Mod Minimum Evap Mot Vlv Adjus:	Module Minimum EVMV Adjustment Evap	mod_min_evmv_adj_5	5.6	0	100	TRUE
Control to Highest HP Compr?	Use Hi Head Pressure Compr for Low HP Ctrl	use_hi_hp_comp_5	On	No, Yes		TRUE
Mod Default HdPr R-410A Use HiHP:	Default HP R-410A Using High Head Pressure	mod_defaulthp410_usehihp_5	200.0	10	550	TRUE
Mod Default HdPr R-410A Use LoHP:	Default HP R-410A Using Low Head Pressure	mod_defaulthp410_uselowhp_5	350.0	10	550	TRUE

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Mod Default HdPr R-134a Use HiHP:	Default HP R-134a Using High Head Pressure	mod_defaulthp134_usehihp_5	70.0	10	550	TRUE
Mod Default HdPr R-134a Use LoHP:	Default HP R-134a Using Low Head Pressure	mod_defaulthp134_uselowhp_5	140.0	10	550	TRUE
Active Mod Default Head Press:	Module Default Head Pressure	mod_default_hp_5	200.0	10	550	FALSE
Mod Default Suct Pres R-410A:	Module Default Suction Press 410a	mod_default_sp_410_5	115.0	10	265	TRUE
Mod Default Suct Pres R-134a:	Module Default Suction Press 134a	mod_default_sp_134_5	65.0	10	550	TRUE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

DEMAND LIMITING SETUP

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Master Control Demand Limiting Setup						

[LINK\(S\): DEMAND LIMITING SETUP- COOL MODE, DEMAND LIMITING SETUP- HEAT REC, DEMAND LIMITING SETUP- HEAT REC, PREV, SYSTEM SETUP, HOME](#)

DEMAND LIMITING SETUP- HEAT MODE

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
*****HEAT MODE DEMAND LIMITING*****						
Input Ch1-5 Type:	Input Chnl 1-5 Type	inp_1_5_point_type_1	None	None, Demand Lim Ht TrgRst, Demand Lim Max #Cmp		TRUE
Max Neg Heat Out Trg Reset: (F)	MAX NEG DEM LIM HEAT RESET	max_neg_cw_stp_reset_1	0.0 °F	0	100	TRUE
Max Pos Heat Out Trg Reset: (F)	MAX POS DEM LIM HEAT RESET	max_pos_cw_stp_reset_1	-10.0 °F	0	100	TRUE
Input Ch1-5 Scaling:	AI1-3 Type Rem Cl Trg or Dem Lim	an_inp1_5_typ_1	NONE	NONE, 4-20 ma, 2-10VDC		TRUE
Manual Select V-In Htg Cmp DemLim:	Manual Select Heat Demand Limiting	man_sel_htg_dem_lim_1	Off	Off, On		TRUE
Simulate VDC IN Ch#1-5 Dem Lim:	Volts In for Heat Comp Demand Limiting	voltin_htg_comp_dem_lim_1	2.0 °F	0	10	TRUE
Demand Limit Max Heat Cmpers Allowed:	HEAT DEMAND LIM NUM COMPR	heat_dem_limit_numcomp_1	14.0			FALSE
NOTE: VDC of2=NO DEMLim;10=Full DEMLim; also Set Ch#1-5 Scaling to 2-10 VDC						

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

DEMAND LIMITING SETUP- COOL MODE

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
*****COOL MODE DEMAND LIMITING*****						
Input Chn#7 Type:	Input Chnl 7 Type	inp_7_point_type_1	None	None, Demand Lim Cl TrgRst, Demand Lim Max #Cmp		TRUE
Max Neg Cool Out Trg Reset: (F)	MAX NEG DEM LIM COOL RESET	max_neg_chw_stp_reset_1	0.0 °F	0	100	TRUE
Max Pos Cool Out Trg Reset: (F)	MAX POS DEM LIM COOL RESET	max_pos_chw_stp_reset_1	8.0 °F	0	100	TRUE

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 Chiller Type: Simul. Heat Recovery
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Input Chn#7 Scaling:	AI7 Type Rem Cl Trg or Dem Lim	an_inp7_typ_1	NONE	NONE, 4-20 ma, 2-10VDC		TRUE
Manual Select V-In Clg Cmp DemLim:	Manual Select Cool Demand Limiting	man_sel_clg_dem_lim_1	Off	Off, On		TRUE
Simulate VDC IN Chnl 7 Dem Lim:	Volts In for Cool Comp Demand Limiting	voltin_clg_comp_dem_lim_1	2.0 °F	0	10	TRUE
Demand Limit Max Cool Cmpers Allowed:	COOL DEMAND LIM NUM COMPR	cool_dem_limit_numcomp_1	14.0			FALSE
NOTE: VDC of2=NO DEMLim;10=Full DEMLim; also Set Chnl#7 Scaling to 2-10 VDC						

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

DEMAND LIMITING SETUP- HEAT REC

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
HEAT RECOVERY MODE DEMAND LIMITING						
Input Ch1-6 Type:	Input Chnl 1-6 Type	inp_1-6_point_type_1	None	None, Demand Lim Max #Cmp		TRUE
Input Ch1-6 Scaling:	AI1-6 Type Rem Cl Trg or Dem Lim	an_inp1-6_typ_1	NONE	NONE, 4-20 ma, 2-10VDC		TRUE
Man.Select V-In Ht Rec Cmp DemLim:	Manual Select Ht Recov Demand Limiting	man_sel_htrec_dem_lim_1	Off	Off, On		TRUE
Simulate VDC IN Ch#1-6 Dem Lim:	Volts In for HtRecov Comp Demand Limiting	voltin_htrec_comp_dem_lim_1	2.0	0	10	TRUE
NOTE: VDC of2=NO DEMLim;10=Full DEMLim; also Set Ch#1-6 Scaling to 2-10 VDC						
No Heat Recov Enable (BAS) :	No Heat Recov Enable (BAS)	enable_bas_no_htrec_1	Off	Off, On		TRUE
Demand Limit Max HtRec Cmpers Allowed:	HT RECOV DEMAND LIM NUM COMPR	htrec_dem_limit_numcomp_1	14.0			FALSE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

CHANNELS 8 & 11 SETUP

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Channels 8,11&1-13 Setup(Wtr Diff Pres)						
Src Wtr Min DifPr Flo TripPt: (PSI)	LO SRC Diff Press	lo_src_diff_pr_1	1.0	0	99	TRUE
Heat Wtr Min DifPr Flo TripPt: (PSI)	Lo CW Diff Pressure	lo_cw_diff_pr_1	1.0	0	99	TRUE
Cold Wtr Min DifPr Flo TripPt: (PSI)	Lo CHW Diff Pressure	lo_chw_diff_pr_1	1.0	0	99	TRUE
Differential Pressure Sensure Readings:						
Hot Water Diff Press Sensor: (PSID)	Diff Press Heat Load	diff_press_heat_load_1	26.539558 psi			FALSE
Cold Water Diff Press Sensor: (PSID)	Diff Press Cool Load	diff_press_cool_load_1	26.6483 psi			FALSE
SourcWater Diff Press Sensor: (PSID)	Diff Press Source	diff_press_source_load_1	26.6483 °F			FALSE

[LINK\(S\): PREV, SYSTEM SETUP, HOME](#)

CHANNELS 8 & 11 SCALING SETUP

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Channels 8,11&1-13 Setup(Wtr Diff Pres)						
Use Dif Pr. Sens for Chn8,11&1-13? *Std CC Dif Pres Sensor Range=0-43 psid or -5.43psid @ 0VDC & 48.95psid @ 5VDC Min&Max Scale Range-Source Wtr Dif Pr.:	Use Diff Press Flow Sensors	use_diff_pr_flow_sens_1	Yes	No, Yes		TRUE

Software Version: UCH-SHC-HR.010a.13

Product Line: UCH
 Chiller Type: Simul. Heat Recovery
 6 Pipe

Sourc Wtr Chn#11 Scaling Type:	AI11 Type	an_inp11_typ_1	0-5VDC	4-20 ma, 0-10VDC, 0-5 VDC		TRUE
Sourc Wtr Min Scale @0V or 0mA :	Min Source Diff Press Scale @ 0	min_scale_src_diff_pr_1	-5.43	-99.9	999.9	TRUE
Src Wtr Max Scale @5V,10Vor20mA: Min&Max Scale Range-Cold Wtr Dif Pr.:	Max Source Diff Press Scale	max_scale_src_diff_pr_1	48.94	-99.9	999.9	TRUE
Cold Wtr Chn#08 Scaling Type:	AI8 Type	an_inp8_typ_1	0-5VDC	4-20 ma, 0-10VDC, 0-5 VDC		TRUE
Cold Wtr Min Scale @ 0V or 0mA :	Min Cool Diff Press Scale @ 0	min_scale_cool_diff_pr_1	-5.43	-99.9	999.9	TRUE
Cold Wtr Max Scale @5V,10Vor20mA: Min&Max Scale Range-Hot Wtr Dif Pr.:	Max Cool Diff Press Scale	max_scale_cool_diff_pr_1	48.94	-99.9	999.9	TRUE
Hot Wtr Chn1-13 Scaling Type:	AI1-13 Type	an_inp1-13_typ_1	0-5VDC	4-20 ma, 0-10VDC, 0-5 VDC		TRUE
Hot Wtr Min Scale @ 0V or 0mA :	Min Heat Diff Press Scale @ 0	min_scale_heat_diff_pr_1	-5.43	-99.9	999.9	TRUE
Hot Wtr Max Scale @5V,10Vor20mA: *Min OOR Ofset is subtr from scale@ Min Diff Pres Global Min OOR Offset:	Max Heat Diff Press Scale	max_scale_heat_diff_pr_1	48.94	-99.9	999.9	TRUE
*Max OOR Offset is added to scale@ Max Diff Pres Global Max OOR Offset:	Min DP Scale Offset for OOR	min_dp_oor_offset_1	5.0 °F	-99.9	99.9	TRUE
	Min DP Scale Offset for OOR	min_dp_oor_offset_1	5.0 °F	-99.9	99.9	TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

WATER & AIR TEMP LIMITS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Wtr & Air Temp Limits						
Cool Wat In Lo Limit: (F)	CHWR Enable Lo Limit	chwr_lo_lim_1	38.0	20	185	TRUE
Cool Wat In Hi Limit: (F)	CHWR Enable Hi Limit	chwr_hi_lim_1	136.0	16	185	TRUE
Cool Wat Out Lo Limit: (F)	LO EVAP LVG TMP	chws_low_lim_1	38.0	15	185	TRUE
Cool Wat Out Hi Limit: (F)	HI EVAP LVG TMP	chws_hi_lim_1	136.0	16	185	TRUE
Heat Wat In Lo Limit: (F)	LO COND LVG TMP	cws_low_lim_1	38.0	16	185	TRUE
Heat Wat In Hi Limit: (F)	HI COND LVG TMP	cws_hi_lim_1	136.0	16	185	TRUE
Heat Wat Out Lo Limit: (F)	CWR Enable Lo Limit	cwr_lo_lim_1	38.0	16	185	TRUE
Heat Wat Out Hi Limit: (F)	CWR Enable Hi Limit	cwr_hi_lim_1	138.0	16	185	TRUE
Source Wat In Lo Limit: (F)	SWS Enable Lo Limit	sws_lo_lim_1	33.0	16	185	TRUE
Source Wat In Hi Limit: (F)	SWS Enable Hi Limit	sws_hi_lim_1	122.0	16	185	TRUE
Source Wat Out Lo Limit: (F)	SWR Enable Lo Limit	swr_lo_lim_1	33.0	16	185	TRUE
Source Wat Out Hi Limit: (F)	SWR Enable Hi Limit	swr_hi_lim_1	122.0	16	185	TRUE
Use Hi Amb Temp Limit?	HI AMBIENT TMP LIM	hi_amb_tmp_lim_1	No	No, Yes		TRUE
Outdoor Air Lo Limit: (F)	LO AMBIENT TMP	lo_ambient_tmp_1	45.0 °F	-20	130	TRUE
Outdoor Air Hi Limit: (F)	HI AMBIENT TMP	hi_ambient_tmp_1	110.0 °F	-20	130	TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

STARTUP & STAGE DELAYS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Start-Up, Stage-Up & Stage-Dn Delays						
Start-Up Time Delay (sec)	Start-Up Delay	o562_1	45.0 sec	1	999	TRUE
Stage-Up Delay (sec)	Stage Up Delay	n003_1	45.0 sec	1	999	TRUE
Stage-Down Delay (sec)	Stage Down Delay	n006_1	15.0 sec	1	999	TRUE
Mode Change Delay (sec)	Mode Change Delay	mode_change_delay_1	30.0 sec	1	3000	TRUE

LINK(S): PREV, ALARM, SYSTEM SETUP, CLOCKSET

COMPR SEQUENCING METHOD

Software Version: UCH-SHC-HR.010a.13

Product Line: UCH
 Chiller Type: Simul. Heat Recovery
 6 Pipe

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Lead Compr Rotation Setup Lead Compr Rotation Method:	Refresh Compr Lead Method Selector	refresh_cmplead_method_1	Runtime	Daily, Weekly, Monthly, Runtime		TRUE
Manual Rotate LeadCompr:	Manually Refresh Lead Compr	man_refr_cmplead_1	Do Not Refresh Lead	Do Not Rotate, Rotate		TRUE
Rotate Cmpr Lead on Runtime Hrs	Compr Lead Refresh on Runtime	cmrplead_refr_runtime_1	999999.0 hr	24	999999	TRUE
Disable Compressor Lead Swaping?		disable_compr_lead_swap_1		No, Yes		TRUE
Use Max Possible Compressors?	Use Max Possible Compr	use_max_poss_compr_1	No	No, Yes		TRUE
Use Max Available Compressors?	Use Max Available Compr	use_max_avail_compr_1	Yes	No, Yes		TRUE
Refresh Runtime Hours:	Runtime Refresh	runtime_refresh_1	169.0 hr	5	999999	TRUE
Stage Down Safety Index: (sec)	SAFETY INDEX 2 DELAY STG	safety_ind_delay2_1	120.0 sec	1	500	TRUE

LINK(S): PREV, SYSTEM SETUP, HOME, ALARM

HEAT TRG RESET ON SOURCE WATER OUT

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Heat Tgr Reset on Source Out Heat Trg Reset on Source Out:	SOURCE HT TRG RESET	source_ht_trg_reset_1	0.0	Off, On		TRUE
Max Source to Scale Cond Trg: (F)	MAX SOURCE HTG TRG RES	max_source_htg_trg_reset_1	22.0 °F	15	50	TRUE
Min Source to Scale Cond Trg: (F)	MIN SOURCE HTG TRG RESET	min_source_htg_trg_reset_1	31.0 °F	15	50	TRUE
Max Scaling Cond Trg: (F)	SOURCE HEAT TRG Max RES	source_htg_trg_max_reset_1	-18.0 °F	0	-30	TRUE
Min Scaling Cond Trg: (F)	SOURCE HEAT TRG MIN RES	source_htg_trg_min_reset_1	0.0 °F	0	-30	TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

COOL TRG RESET ON SOURCE WATER OUT

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Cool Tgr Reset on Source Out Cool Trg Reset on Source Out:	SOURCE CL TRG RESET	source_cl_trg_reset_1	0.0	Off, On		TRUE
Max Source to Scale Cool Trg: (F)	MAX SOURCE CLG TRG RES	max_source_clg_trg_reset_1	135.0 °F	50	185	TRUE
Min Source to Scale Cool Trg: (F)	MIN SOURCE CLG TRG RESET	min_source_clg_trg_reset_1	115.0 °F	50	185	TRUE
Max Scaling Cool Trg: (F)	SOURCE COOL TRG Max RES	source_clg_trg_max_reset_1	20.0 °F	0	30	TRUE
Min Scaling Cool Trg: (F)	SOURCE COOL TRG MIN RES	source_clg_trg_min_reset_1	0.0 °F	0	30	TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

MODE TIME DELAY SETTINGS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Mode Time Delay Settings Master OFF Mode Delay before OPEN:	OFF MODE DELAY TIME	off_delay_time_1	120.0	1	999	TRUE
Module OPEN Mode ON Delay sec:	Module Open VLV ON DELAY	mod_open_vlv_on_delay_5	10.0	1	999	TRUE
Master HEAT Hold Delay sec:	Mod Heat Hold Time2	mod_heat_vlv_hold_1	50.0	1	999	TRUE
Module Delay Aft. HEAT Befor COOL:	Module Heat VLV ON DELAY	mod_heat_vlv_on_delay_5	150.0	1	999	TRUE
Master COOL Hold Delay sec:	Mod Coolt Hold Time2	mod_cool_vlv_hold_1	50.0	1	999	TRUE
Module Delay Aft. COOL Befor HEAT:	Module Cool VLV ON DELAY	mod_cool_vlv_on_delay_5	150.0	1	999	TRUE
Time Del After Signal to Close MV:	Mot Valve Delay Before Closing	close_vlv_delay_5	50.0	0	999	TRUE

LINK(S): PREV, SERVICE MENU SETUP, HOME