



LOCAL ACCESS DISPLAY TABLE

Software Version: UGW-H.08B.13

Product Line:
Chiller Type:

UGW- Screw
COOLING 4 PIPE

STANDBY

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
ClimaCool Corp. CoolLogic Date: Time: CHWS Temp: F CWR Temp: (F) press any key to continue	EVAP OUT TMP COND OUT TMP	chws_temp_1 cwr_temp_1	50.1 °F 83.3 °F			FALSE FALSE

HOME

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Chill Water In: (F) /Cool Spt: (F) Chill WaterOut: (F) / Tot Stg Want: Cond Water In : (F) / Tot Stg On: Cond Water Out: (F) / Mode :	CHWR In Temp Status Active CHW Setpoint CHWS Out Temp Status Num of Comp Requested CWS In Temp Status Num of Comp ON Mode	chwr_stat_1 chw_stp_stat_1 chws_stat_1 comp_req_1 cws_stat_1 comp_on_1 mode_1	54.4 45.0 °F 50.2 2.0 67.3 °F 2.0 CLG			FALSE FALSE FALSE FALSE FALSE FALSE FALSE
Chil Water Flow : /Heat Spt: (F) Cond Water Flo: /UnitMode:	Evap Flow SW Cond Flow SW Unit Mode	evap_flow_1 cond_flow_1 unit_mode_1	On On Normal Run	No, Yes No, Yes Schedule, No Flo/Phas, CHWR High, CWS Low, Sens Error, No ModAvail, Module Down, Compr Down, NonCrit Alm, Normal Run		FALSE FALSE 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): ALL MODULE COMP UNLOAD STATUS,MODULE SIZE STATUS, CHILLER OPER STATUS,EVAP STATUS, COND STATUS,MOT VLV OPEN/CLOSE STATUS MENU,
MOD1 COMP1 DATA,MOD2 COMP1 DATA,MOD3 COMP1 DATA,MOD4 COMP1 DATA,MOD5 COMP1 DATA,MOD6 COMP1 DATA,ALL COMPR RUNTIME STATUS,
ALL COMPR CYCLES STATUS,ALL COMPR SS STATUS, ALL COMPR AMPERAGE STATUS,PREV, CLOCKSET, 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 /4=80Ton Mod	Mod 1 Size	m1_size_st_1	4.0	1	4	FALSE
Mod2 Size:[]/NOTE:DO NOT SELECT 2 OR 3	Mod 2 Size	m2_size_st_1	4.0	1	4	FALSE
Mod3 Size:[]	Mod 3 Size	m3_size_st_1	4.0	1	4	FALSE
Mod4 Size:[]	Mod 4 Size	m4_size_st_1	4.0	1	4	FALSE
Mod5 Size:[]	Mod 5 Size	m5_size_st_1	1.0	1	4	FALSE
Mod6 Size:[]	Mod 6 Size	m6_size_st_1	1.0	1	4	FALSE



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

CHILLER OPER STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Operating & Loading Status						
PID1 Count:	Stage 1 Cooling PID	stg1_clg_pid_1	106.719604			FALSE
/Chil WaterOut: (F)	CHWS Out Temp Status	chws_stat_1	50.2			FALSE
Mod1 VFD Volt:	M1 VFD Screw Input	m1vfd_screw_input_1	7.53594 V	0	999	FALSE
/Mod2 VFD Volt:	M2 VFD Screw Input	m2vfd_screw_input_1	4.4 V	0	999	FALSE
Mod3 VFD Volt:	M3 VFD Screw Input	m3vfd_screw_input_1	0.0 °F	0	999	FALSE
/Mod4 VFD Volt:	M4 VFD Screw Input	m4vfd_screw_input_1	0.0 °F	0	999	FALSE
HPID1 Count:	Stage 1 Heating PID	stg1_htg_pid_1	0.0			FALSE
/Cond WaterOut: (F)	CWR Out Status	cwr_stat_1	83.3			FALSE
Cool Spt:	Active CHW Setpoint	chw_stp_stat_1	45.0 °F			FALSE
F / Heat Spt: (F)	Active Htg Setpoint	cw_stp_stat_1	125.0 °F			FALSE
Unit Stat:	Unit Status	unit_status_1	On	Unit OFF, Unit ON		FALSE
/Unit Mode:	Unit Mode	unit_mode_1	Normal Run	Schedule, NoFlo/Phas, CHWR High, CWS Low, Sens Error, NoModAvail, Module Dwn, Compr Dwn, NonCritAlm, Normal Run		FALSE

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

EVAP STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Evap Water Temp & Pump Status						
Evp H2O In: (F)	CHWR In Temp Status	chwr_stat_1	54.4			FALSE
/Evp WaterOut: (F)	CHWS Out Temp Status	chws_stat_1	50.2			FALSE
Evap Flow Status:	Evap Flow SW	evap_flow_1	On	Off, On		FALSE
Ev Pmp#1 Status:	CHW Pump 1 S/S	chw_pump_1_ss_1	Off	Off, On		FALSE
/Ev Pmp#2 Status:	CHW Pump 2 S/S	chw_pump_2_ss_1	Off	Off, On		FALSE
Chil Water Diff Press Sensor: (PSID)	Diff Press Cool Load	diff_press_cool_load_1	8.48872 °F			FALSE

LINK(S): PREV, SYSTEM SETUP, STATUS

COND STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Cond Water Temp & Pump Status						
Cnd H2O In : (F)	CWS In Temp Status	cws_stat_1	67.3 °F			FALSE
/Cnd H2O Out: (F)	CWR Out Status	cwr_stat_1	83.3			FALSE
Cond Flow Status:	Cond Flow SW	cond_flow_1	On	Off, On		FALSE
Cnd Pump#1 Stat:	CW Pump 1 S/S	cw_pump_1_ss_1	Off	Off, On		FALSE
/Cnd Pump#2 Stat:	CW Pump 2 S/S	cw_pump_2_ss_1	Off	Off, On		FALSE
Cond Water Diff Press Sensor: (PSID)	Diff Press Heat Load	diff_press_heat_load_1	8.053761 °F			FALSE

LINK(S): PREV, SYSTEM SETUP, STATUS

MOT VLV OPEN/CLOSE STATUS MENU

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Module Mot Valve Open/Close Status						
Mod1 Mot Valve Open Status:	Module 1 Open	m1_open_5	On	Closed, Open		FALSE
Mod2 Mot Valve Open Status:	Module 2 Open	m2_open_5	On	Closed, Open		FALSE
Mod3 Mot Valve Open Status:	Module 1 Open	m1_open_5	On	Closed, Open		FALSE
Mod4 Mot Valve Open S	Module 4 Open	m4_open_5	Off	Closed, Open		FALSE
Mod5 Mot Valve Open Status:	Module 5 Open	m5_open_5	Off	Closed, Open		FALSE
Mod6 Mot Valve Open Status:	Module 6 Open	m6_open_5	Off	Closed, Open		FALSE

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



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MOD X COMP1 DATA

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
M1C1 Suc Pr: (psi) / MODULE 1 COMP 1	Module 1 Comp 1 Suction Pressure	m1_c1_suc_pres_stat_5	40.6			FALSE
Suc SuperHt: (F)	Module 1 Comp 1 Suction Superheat	m1_c1_suc_superheat_5	8.044445			FALSE
/CH Water In: (F)	CHWR In Temp Status	chwr_stat_1	54.4			FALSE
M1C1 Suc Tp: (F)	Module 1 Comp 1 Suction Temp	m1_c1_suct_temp_stat_5	53.6			FALSE
/CH WaterOut: (F)	M1 Evap Leaving Temp	m1_chws_temp_stat_5	51.7			FALSE
M1 VFD VoltIn:	M1 VFD Screw Input	m1vfd_screw_input_1	7.53594 V	0	999	FALSE
/MainTX PIDOUT:	Module 1 Comp 1 Main TXV PID Out	m1c1_mntx_pid_5	4.1325912	0	999	FALSE
M1C1 Dis Pr: (psi)	Module 1 Comp 1 Disch Press	m1_c1_disch_pres_stat_5	99.3	0	350	FALSE
/M1C1 Dis Tp: (F)	Module 1 Comp 1 Disch Temp	m1_c1_disch_temp_stat_5	110.3			FALSE
M1C1 Status:	Module 1 Comp 1 Status	m1_comp1_status_5	On	Off, On		FALSE
/CD Water In : (F)	Module 1 Comp 1 Fail	m1_c1_fail_1	Off	Off, On		FALSE
M1C1 Fail :	Module 1 Comp 1 Runtime	m1_c1_rtime_1	2.3116667			FALSE
/CD Water Out: (F)	Module 1 Comp 1 Runtime	m1_c1_rtime_1	2.3116667			FALSE
M1C1 Runtime: (h)	Module 1 Comp 1 Cycles	m1_c1_cycles_5	1.0			FALSE
/M1C1 Cycles:	Module 1 Compr 1 Min Run	m1_c1_min_runtime_5	On	Off, On		FALSE
M1C1 Min Runtm:	Module 1 Comp 1 Min Off	m1_c1_minimum_off_5	Off	Off, On		FALSE
/M1C1 Min OffTime:	Module 1 Cond Vlv PID Out	m1_cdmv_pidout_5	0.0	0	999	FALSE
cdmvPIDOut:	Module 1 Cond Vlv Scaled PID Out	m1_cdmv_scaled_pidout_5	2.0	0	10	FALSE
%/cdmvVDCScaleOut:	Module 1 CR3 valve status	m1_cr3_valve_status_5	Off	Off, On		FALSE
CR3 Sol Stat:	Module 1 CR4 valve status	m1_cr4_valve_status_5	On	Off, On		FALSE
/ CR4 Sol Stat:	Module 1 Comp 1 Amps	m1c1_amps_stat_5	33.6	0	999	FALSE
NOTE: CR3 is Unload, CR4 is Full Load.						
Compressor Amps:						

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	Module 1 Comp 1 Runtime	m1_c1_rtime_1	2.3116667			FALSE
M1C1 Runtm: (h)	Module 4 Comp 1 Runtime	m4_c1_rtime_1	0.015833333			FALSE
/M4C1 Runtm: (h)	Module 2 Comp 1 Runtime	m2_c1_rtime_1	3.02			FALSE
M2C1 Runtm: (h)	Module 5 Comp 1 Runtime	m5_c1_rtime_1	0.0			FALSE
/M5C1 Runtm: (h)	Module 3 Comp 1 Runtime	m3_c1_rtime_1	1.773889			FALSE
M3C1 Runtm: (h)	Module 6 Comp 1 Runtime	m6_c1_rtime_1	0.0			FALSE
/M6C1 Runtm: (h)						

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	Module 1 Comp 1 Cycles	m1_c1_cycles_5	1.0			FALSE
M1C1 Cycles:	Module 4 Comp 1 Cycles	m4_c1_cycles_5	0.0			FALSE
/M4C1 Cycles:	Module 2 Comp 1 Cycles	m2_c1_cycles_5	1.0			FALSE
M2C1 Cycles:	Module 5 Comp 1 Cycles	m5_c1_cycles_5	0.0			FALSE
/M5C1 Cycles:	Module 3 Comp 1 Cycles	m3_c1_cycles_5	0.0			FALSE
M3C1 Cycles:	Module 6 Comp 1 Cycles	m6_c1_cycles_5	0.0			FALSE
/M6C1 Cycles:						

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

ALL COMPR SS STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Compressor ON/OFF Status	Module 1 Comp 1 Status	m1_comp1_status_5	On	Off, On		FALSE
M1C1 Status:						



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/ M4C1 Status:	Module 4 Comp 1 Status	m4_comp1_status_5	Off	Off, On		FALSE
M2C1 Status:	Module 2 Comp 1 Status	m2_comp1_status_5	On	Off, On		FALSE
/ M5C1 Status:	Module 5 Comp 1 Status	m5_comp1_status_5	Off	Off, On		FALSE
M3C1 Status:	Module 3 Comp 1 Status	m3_comp1_status_5	Off	Off, On		FALSE
/ M6C1 Status:	Module 6 Comp 1 Status	m6_comp1_status_5	Off	Off, On		FALSE

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

ALL COMPR AMPERAGE STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Compressor Amperage Status						
M1C1 Compr Amps:	Module 1 Comp 1 Amps	m1c1_amps_stat_5	33.6			FALSE
/M4C1 Compr Amps:	Module 4 Comp 1 Amps	m4c1_amps_stat_5	0.4			FALSE
M2C1 Compr Amps:	Module 2 Comp 1 Amps	m2c1_amps_stat_5	25.4			FALSE
/M5C1 Compr Amps:	Module 5 Comp 1 Amps	m5c1_amps_stat_5	0.0			FALSE
M3C1 Compr Amps:	Module 3 Comp 1 Amps	m3c1_amps_stat_5	0.4			FALSE
/M6C1 Compr Amps:	Module 6 Comp 1 Amps	m6c1_amps_stat_5	0.0			FALSE

LINK(S): PREV, SYSTEM SETUP, 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, EVAP PUMP SETUP, COND PUMP SETUP, LEAD COMPR ROTATION SETUP, ALARM LOCKOUT RESET, SCHEDULES, PREV, STATUS, HOME, ALARM

GENERAL SYS SETTINGS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic General System Settings FN4						
Chiller Control Type	Control Type	control_type_1	Cool Control	Cool Cntrl, Heat Cntrl, Heat Rcvry		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	134a	22, 407C, 410a, 134a		TRUE
Chiller Model Type:	Chiller Model Type	chiller_model_type_5	UGW	UGW, UGH, UGR		TRUE
Cool Design Delta Temp	FULL LD COOL DES TD	cool_design_dt_1	-10.0	-50	50	TRUE
Heat Design Delta Temp	FULL LD HEAT DES TD	heat_design_dt_1	10.0	-50	50	TRUE
Use High Amb Tmp Limit?	HI AMBIENT TMP LIM	hi_amb_tmp_lim_1	No	No, Yes		TRUE

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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, MASTER INPUT CHNLS 6, &10 SETUP, MASTER INPUT 8 & 11 SETUP, LEAD COMPR ROTATION 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						
Local Evap Wat Out Setpt: (F)	COOL LVG TRG	chw_temp_stp_1	45.0 °F	0	75	TRUE
Min Evap Wat Out Setpt: (F)	MIN COOL TRG LIM	min_chw_temp_stp_1	40.0 °F	0	75	TRUE
Max Evap Wat Out Setpt: (F)	MAX COOL TRG LIM	max_chw_temp_stp_1	62.0 °F	0	75	TRUE
Remote Evap Wat Out Setpt: (F)	Remote CHW Setpoint	rem_chw_stp_stat_1	40.0 °F	10	75	FALSE
Rem Max Neg CHW Setpt Reset: (F)	MAX NEG DEM LIM COOL RESET	max_neg_chw_stp_reset_1	0.0 °F	0	75	TRUE
Rem Max Pos CHW Setpt Reset: (F)	MAX POS DEM LIM COOL RESET	max_pos_chw_stp_reset_1	10.0 °F	0	75	TRUE
Remote Evap Wat Out Reset: (F)	Remote CHW Setpoint Reset	rem_chw_stp_reset_1	0.0 °F	0	75	TRUE
Active Evap Wat Out Setpt: (F)	Active CHW Setpoint	chw_stp_stat_1	45.0 °F	10	75	FALSE



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

HEAT MODE SETPOINT

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Heat Mode Setpoint Menu						
Local Cond Wat Out Setpt: (F)	HEAT LVG TRG	cw_temp_stp_1	125.0 °F	10	165	TRUE
Min Cond Wat Out Setpt: (F)	MIN HEAT TRG LIM	min_cw_temp_stp_1	75.0 °F	10	165	TRUE
Max Cond Wat Out Setpt: (F)	MAX HEAT TRG LIM	max_cw_temp_stp_1	135.0 °F	10	165	TRUE
Remote Cond Wat Out Setpt: (F)	Remote CW Setpoint	rem_cw_stp_stat_1	75.0 °F	50	140	FALSE
Rem Max Neg CWR Setpt Reset: (F)	MAX NEG DEM LIM HEAT RESET	max_neg_cw_stp_reset_1	0.0 °F	0	165	TRUE
Rem Max Pos CWR Setpt Reset: (F)	MAX POS DEM LIM HEAT RESET	max_pos_cw_stp_reset_1	10.0 °F	0	165	TRUE
Auto Cond Wat Reset by OAT: (F)	Remote CW Setpoint	auto_oat_cw_stp_reset_1	135.0 °F	10	165	TRUE
Active Cond Wat Out Setpt: (F)	Active Htg Setpoint	cw_stp_stat_1	125.0 °F	10	165	FALSE

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

LEAD COMPR ROTATION SETUP

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Lead Compr Rotation Setup						
Manual Rotate LeadCompr:	Manually Refresh Lead Module	man_refr_modlead_1	Do Not Refresh Lead	Do Not Rotate, Rotate		TRUE
Rotate Cmpr Lead on Runtime Hrs :	Lead Swap on Runtime	lead_swap_runtime_1	168.0 hr	1	9999	TRUE
Refresh Runtime Hours:		runtime_refresh_4		1	999	TRUE
Stage Down Safety Index: (sec)		safety_ind_delay2_4		1	999	TRUE
Stage Up Safety Index: (sec)		safety_ind_delay1_4		1	999	TRUE

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

ALARM LOCKOUT RESET FN3

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Alarm Lockout Reset FN3						
Master Pnl 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 COMP VFD ALARMS, RESET MODULE FREEZ & HOT ALARMS, RESET COMP RUNTIME & CYCLES, RESET MODULE SENSOR OOR ALARMS, 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

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

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
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
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
M4C1 in Alarm?	Module 4 Comp 1 Fail	m4_comp1_fail_5	Off	No, Yes		FALSE
/M4C1Reset Alm?	M4C1 Alarm Reset	m4reset_c1_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
M6C1 in Alarm?	Module 6 Comp 1 Fail	m6_comp1_fail_5	Off	No, Yes		FALSE



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/M6C1Reset Alm?	M6C1 Alarm Reset	m6reset_c1_alm_5	Off	No, Yes		TRUE
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LINK(S): PREV, SYSTEM SETUP, HOME

RESET COMP VFD ALARMS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Reset Compr VFD Alarms						
M1 VFD in Alarm?	Module 1 Comp 1 VFD Fail	m1_comp1_vfd_fail_5	Off	No, Yes		FALSE
/M1C1Reset Alm?	Mod 1 Reset VFD Fault	m1_reset_vfdfault_5	Off	No, Yes		TRUE
M2 VFD in Alarm?	Module 2 Comp 1 VFD Fail	m2_comp1_vfd_fail_5	Off	No, Yes		FALSE
/M2C1Reset Alm?	Mod 2 Reset VFD Fault	m2_reset_vfdfault_5	Off	No, Yes		TRUE
M3 VFD in Alarm?	Module 3 Comp 1 VFD Fail	m3_comp1_vfd_fail_5	Off	No, Yes		FALSE
/M3C1Reset Alm?	Mod 3 Reset VFD Fault	m3_reset_vfdfault_5	Off	No, Yes		TRUE
M4 VFD in Alarm?	Module 4 Comp 1 VFD Fail	m4_comp1_vfd_fail_5	Off	No, Yes		FALSE
/M4C1Reset Alm?	Mod 4 Reset VFD Fault	m4_reset_vfdfault_5	Off	No, Yes		TRUE
M5 VFD in Alarm?	Module 5 Comp 1 VFD Fail	m5_comp1_vfd_fail_5	Off	No, Yes		FALSE
/M5C1Reset Alm?	Mod 5 Reset VFD Fault	m5_reset_vfdfault_5	Off	No, Yes		TRUE
M6 VFD in Alarm?	Module 6 Comp 1 VFD Fail	m6_comp1_vfd_fail_5	Off	No, Yes		FALSE
/M6C1Reset Alm?	Mod 6 Reset VFD Fault	m6_reset_vfdfault_5	Off	No, Yes		TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

RESET MODULE FREEZ & HOT ALARMS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Reset Mod Freez & Hot Alarms						
M1 inFreezAlm?	Module 1 Freeze Alarm	m1_freeze_alm_5	No	No, Yes		FALSE
/M1 Frz-CWReset?	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
/M2 Frz-CWReset?	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 Frz-CWReset?	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 Frz-CWReset?	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 Frz-CWReset?	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 Frz-CWReset?	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

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
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
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
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
M5C1Reset Runtm	M5C1 Runtime Reset	m5reset_c1_rtim_5	Off	No, Yes		TRUE



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Product Line:
Chiller Type:

UGW- Screw
COOLING 4 PIPE

/M5C1Reset Cyc	M5C1 Cycles Reset	m5c1_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

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
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
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
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
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
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

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): MOD1 COMPR UNLOAD STATUS,MOD2 COMPR UNLOAD STATUS,MOD3 COMPR UNLOAD STATUS,MOD4 COMPR UNLOAD STATUS,MOD5 COMPR UNLOAD STATUS,MOD6 COMPR UNLOAD STATUS,PREV, SYSTEM SETUP, HOME, ALARM

MODX COMPR UNLOAD STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Module 1 Compr Unload Status						
M1C1 Low Suct Press Unload :	Module 1 Comp 1 Suct Pressure Unload	m1_c1_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
M1C1 Low Suct Temp Unload :	Module 1 Comp 1 Suct Temp Unload	m1_c1_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
M1C1 High Dis Temp Unload :	Module 1 Comp 1 Dis Temp Unload	m1_c1_hi_dis_tmp_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, FREEZE TARGET AND HOT WATER SETPOINT,COMPR MIN MAX RUN TIMES,COMPR ALARM DELAY,MODULE WATER TEMP LIMITS,SCREW COMP ALARM SETPOINTS,PREV, SYSTEM SETUP, HOME, ALARM

REFRIGERANT TYPE

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Model & Refrig Setup Menu						
Mod Ref Type	Module Compr Ref Type	mod_comp_ref_type_5	134a	22, 407C, 410a, 134a		TRUE



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Product Line:
Chiller Type:

UGW- Screw
COOLING 4 PIPE

Chiller Model Type:	Chiller Model Type	chiller_model_type_5	UGW	UGW, UGH, UGR		TRUE
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LINK(S): PREV, SYSTEM SETUP, HOME

REFRIG TMP & PRESS SENSORS AVAIL

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Module Refr Temp & Press Avail Sensors						
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	On	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
Module Refr Temp & Press. Alarm Setpts						
DisPrAlm134UGW	High Head Press Sp 134a UCW	mod_hi_disch_press_sp_134_ucw_5	200.0	50	650	TRUE
/DisPrAlm134UGH	High Head Press Sp 134a UCH/R	mod_hi_disch_press_sp_134_uchr_5	230.0	50	650	TRUE
DisPrAlm410UGW	High Head Press Sp 410a UCW	mod_hi_disch_press_sp_410_ucw_5	385.0	250	650	TRUE
/DisPrAlm410UGH	High Head Press Sp 410a UCH-UCR	mod_hi_disch_press_sp_410_uchr_5	575.0	250	650	TRUE
DisPrAlm407UGW	High Head Press Sp 407C UCW	mod_hi_disch_press_sp_407_ucw_5	300.0	100	450	TRUE
/DisPrAlm407UGH	High Head Press Sp R-407C UCH-UCR	mod_hi_disch_press_sp_407_uchr_5	385.0	100	450	TRUE
Mod Active Status DisPr Alm SP:	Module Hi Disch Press Setpt	mod_hi_disch_press_sp_5	200.0			FALSE
Default Head Pressure Value:	Module Default Head Pressure	mod_default_hp_5	70.0	50	650	TRUE
Head Pressure Min Adj Value:	Module Head Pressure Positive Adj	mod_hp_pos_adj_5	60.0	50	650	TRUE
SucPr Alm 134a	Low Suction Press Sp 134a	mod_lo_suc_press_sp_134_5	15.0	2	200	TRUE
SucPr Alm 410a	Low Suction Press Sp 410a	mod_lo_suc_press_sp_410_5	94.0	2	150	TRUE
/SucPr Alm 407C	Low Suction Press Sp 407C	mod_lo_suc_press_sp_407_5	50.0	2	120	TRUE
Mod Active Status SucPr Alm SP:	Module Low Suction Press Setpt	mod_low_press_sp_5	15.0			FALSE
Mod SucPr Time Delay Before Alarm:	Module LO SUC PSI Delay	mod_lo_suc_psi_delay_5	30.0	0	999	TRUE
Mod Extra Low SucPr Alm SP:	Module LO-LO SUC PSI Setpoint	mod_low_low_press_sp_5	0.0	-5	50	TRUE
Low Dis Pr Ctrl SP R134a	Low Head Press Sp 134a	mod_lo_disch_press_sp_134_5	100.0	20	350	TRUE
Low Dis Pr Ctrl SP R410a	Low Head Press Sp 410a	mod_lo_disch_press_sp_410_5	220.0	50	450	TRUE
Low Dis Pr Ctrl SP R407C	Low Head Press Sp 407	mod_lo_disch_press_sp_407_5	150.0	50	300	TRUE
Mod Active Status Low DisPr Alm SP:	Module Lo Disch Press Setpt	mod_lo_disch_press_sp_5	100.0			FALSE
M DisTp Alm SP	Module Hi Disch Temp	mod_hi_disch_tmp_5	225.0	100	325	TRUE
/M SucTp Alm SP	Module Low Suction Temp	mod_lo_suction_tmp_5	32.0	10	75	TRUE

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

LINK(S): PREV, SYSTEM SETUP, HOME

FREEZE TARGET SETPOINT



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LOCAL ACCESS DISPLAY TABLE

Product Line:
Chiller Type:

UGW- Screw
COOLING 4 PIPE

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Freeze Target Setpts Menu Freeze TrgSp (F)	Module Freeze Target Setpoint	mod_freeze_trg_sp_5	36.0	0	50	TRUE

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 Run Time (sec)	Module Compr Min Run Time	mod_cmpr_min_run_5	120.0	1	999	TRUE
Compr Minimum Off Time (sec)	Module Compr Min Off Delay	mod_cmpr_off_delay_5	150.0	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	9999.0	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 Evap Wat Out Lo Limit: (F)	Module Freeze Target Setpoint	mod_freeze_trg_sp_5	36.0	0	165	TRUE
Mod Evap Wat Out Hi Limit: (F)	Module High Evaporator Leaving Temp at Startup	mod_high_evap_lvg_tmp_5	90.0	0	165	TRUE
Mod Cond Wat Out Lo Limit: (F)	Module Low Condenser Leaving Temp. Setpoint	mod_low_cond_lvg_sp_5	50.0	0	165	TRUE
Mod Cond Wat Out Hi Limit: HI WTR OUT UGW	UCW Module High Cond Leaving Temp at Startup	ugw_mod_cwr_trg_sp_5	118.0	10	165	TRUE
/HI WTR OUT UGH	UCH Module High Cond Leaving Temp at Startup	ugh_mod_cwr_trg_sp_5	140.0	10	165	TRUE
Mod Cond Wat Out Hi Limit: (F)	Module Leaving Cond Water Temp Setpoint	mod_cwr_trg_sp_5	118.0	10	165	FALSE

LINK(S): PREV, SYSTEM SETUP, HOME

SCREW COMP ALARM SETPOINTS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Screw Comp Alarm Setpoints Screw Comp Max Amps Allowed 460:	Compressor Max Amps	mod_max_amps_sp_5	105.0	1	999	TRUE
Winding Temp Correlation to ohms:	Compr Max Winding Temp Sensor Resis	mod_max_wind_sens_ohms_5	275.0	1	999	TRUE

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

SERVICE MENU SETUP FN7

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

LINK(S): DIAGNOSTICS MANUAL MODE, CALIB WATER DIFF PRESS SENSORS, CALIB WATER MAINS & AIR TEMPS, ALL MODULE SENSOR CALIBRATION MENUS, ALL MODULE COMP UNLOAD STATUS, RESET MODULE SENSOR OOR ALARMS, RESET COMP ALARMS, MODULE WATER TEMP LIMITS, WATER MAINS & AIR TEMP LIMITS, PUMP DOWN SETUP, LOCK WATER TEMPS, RESET COMP RUNTIME & CYCLES, TIME MSTR, SCREW PID SEQUENCING DATA, PREV, SYSTEM SETUP, HOME, ALARM

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				
/						



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Chiller Type:

UGW- Screw
COOLING 4 PIPE

SWAP LEAD COMPR:	Manually Refresh Lead Module	man_refr_modlead_1	Do Not Refresh Lead	Do Not Refresh Lead, Refresh Lead		TRUE
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LINK(S): MANUAL MODE M5, MANUAL MODE M6, 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

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

CALIB WATER DIFF PRESS SENSORS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Calibrate Water Diff Press Sensors						
Cool Water Dif Psi Stat: (PSID)	Diff Press Cool Load	diff_press_cool_load_1	8.48872 °F			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	8.053761 °F			FALSE
Heat Psi Calib Offset: (PSID)	Cond Diff Press Calibration Point	cwpsi_cali_point_1	0.0	-199	199	TRUE

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

CALIB WATER MAINS & AIR TEMPS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Calibrate Main Header Water & Air Temps						
Evap InSens: (F)	EVAP IN TMP	chwr_temp_1	54.4 °F			FALSE
/Evap Wat In: (F)	CHWR In Temp Status	chwr_stat_1	54.4			FALSE
Evap In Calib Offset: (F)	CHWR Temp Calibration Point	chwr_cali_point_1	0.0	-250	250	TRUE
Evp OutSens: (F)	EVAP OUT TMP	chws_temp_1	50.1 °F			FALSE
/Evap WatOut: (F)	CHWS Out Temp Status	chws_stat_1	50.2			FALSE
Evap Out Calib Offset: (F)	CHWS Temp Calibration Point	chws_cali_point_1	0.0	-250	250	TRUE
Cnd Out Sens: (F)	COND OUT TMP	cwr_temp_1	83.3 °F			FALSE
/CndWat Out: (F)	CWR Out Status	cwr_stat_1	83.3			FALSE
Cond Out Calib Offset: (F)	CWR Calibration Point	cwr_cali_point_1	0.0	-250	250	TRUE
Cond In Sens: (F)	COND IN TMP	cws_temp_1	67.3 °F			FALSE
/Cnd Wat In: (F)	CWS In Temp Status	cws_stat_1	67.3 °F			FALSE
Cond In Calib Offset: (F)	CWS Temp Calibration Point	cws_cali_point_1	0.0	-250	250	TRUE
Outdoor Sens: (F)	OA Temp	oat_1	-60.2 °F			FALSE
/Outdr Air : (F)	OAT Status	oat_stat_1	61.0			FALSE
Outdoor Air Calib Offset: (F)	OAT Calibration Point	oat_cali_point_1	0.0	-250	250	TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

ALL MODULE SENSOR CALIBRATION MENUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic All Module Calibration Menus						

LINK(S): MODULE 1 SENSOR CALIBRATIONS, MODULE 2 SENSOR CALIBRATIONS, MODULE 3 SENSOR CALIBRATIONS, MODULE 4 SENSOR CALIBRATIONS, MODULE 5 SENSOR CALIBRATIONS, MODULE 6 SENSOR CALIBRATIONS, PREV, SYSTEM SETUP, HOME, ALARM

MODULE X SENSOR CALIBRATIONS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
ClimaCool Module 1 Water Calibrations						
EvpOutCalib: (F)	M1 CHWS Temp Calib. Point	m1_chws_temp_cp_5	0.0	-250	250	TRUE
/EvpOutSta: (F)	M1 Evap Leaving Temp	m1_chws_temp_stat_5	51.7			FALSE
CndOutCal: (F)	M1 CWR Temp Calib. Point	m1_cwr_temp_cp_5	0.0	-250	250	TRUE
/CondOutStat: (F)	M1 Cond Leaving Temp	m1_cwr_temp_stat_5	84.6			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	99.3	0	350	FALSE



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COOLING 4 PIPE

C1SucPresCal: (psi)	M1C1 SUC Pressure Calib. Point	m1c1_suc_pres_cp_5	0.0	-250	250	TRUE
/C1SucPr: (ps)	Module 1 Comp 1 Suction Pressure	m1_c1_suc_pres_stat_5	40.6			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	110.3			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	53.6			FALSE
C1CompAmpCal:	M1C1 Amps Calib. Point	m1c1_amps_cp_5	3.0	-250	250	TRUE
/C1 Amps:	Module 1 Comp 1 Amps	m1c1_amps_stat_5	33.6			FALSE

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

LOCK WATER TEMPS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Lock Main Header Water & Air Temps						
Evap Wat In Lock :	Lock CHWR Temp	lock_chwr_1	No	Off, On		TRUE
Evap Wat In Lock Value : (F)	CHWR Lock Value	chwr_lock_val_1	54.0	0	165	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	0	165	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	0	165	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	0	165	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

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

SCREW PID SEQUENCING DATA

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic PID Sequencing Data						
VFD Minimum VDC Input: 4.3	VFD Minimum VDC Input	vfd_min_vdc_1	4.4	0	10	TRUE
VFD Minimum VDC In 3 Scr: 6.16	VFD Minimum for Three Screws	vfd_min_vdc_three_scr_1	6.16	0	10	TRUE
VFD Minimum VDC In 4 Scr: 7.17	VFD Minimum for Four Screws	vfd_min_vdc_four_scr_1	7.17	0	10	TRUE
VFD Maximum VDC Input: 10.00	VFD Maximum VDC Input	vfd_max_vdc_1	10.0	0	10	TRUE
VFD Start PID for One Scr: 33	VFD Start PID for One Screw	vfd_start_pid_one_scr_1	33.0	0	500	TRUE
VFD Min PID for One Scr: 34	VFD Minimum PID for One Screw	vfd_min_pid_one_scr_1	34.0	0	500	TRUE
VFD Max PID for One Scr: 75	VFD Maximum PID for One Screw	vfd_max_pid_one_scr_1	75.0	0	500	TRUE
VFD Max One PID Min Two Scr: 85	VFD Max One PID Min Two Screws	vfd_max_one_pid_min_two_scr_1	85.0	0	500	TRUE
VFD Min PID for Two Scr: 86	VFD Minimum PID for Two Screws	vfd_min_pid_two_scr_1	86.0	0	500	TRUE
VFD Interim PID Two Scr: 123	VFD Interim PID for One Full One Min Screws	vfd_interim_pid_two_scr_1	123.0	0	500	TRUE
VFD Max PID for Two Scr: 160	VFD Maximum PID for Two Screws	vfd_max_pid_two_scr_1	160.0	0	500	TRUE
VFD Max Two PID Min Three Scr: 170	VFD Max Two PID Min Three Screws	vfd_max_two_pid_min_three_scr_1	170.0	0	500	TRUE
VFD Min PID for Three Scr: 171	VFD Minimum PID for Three Screws	vfd_min_pid_three_scr_1	171.0	0	500	TRUE
VFD IntPID One Full;Two Min:195	VFD Interim PID for One Full & Two Min Screws	vfd_interim_pid_one_full_two_min_scr_1	195.0	0	500	TRUE
VFD IntPID Two Full;One Min:220	VFD Interim PID for Two Full & One Min Screws	vfd_interim_pid_two_full_one_min_scr_1	220.0	0	500	TRUE
VFD Max PID for Three Scr: 245	VFD Maximum PID for Three Screws	vfd_max_pid_three_scr_1	245.0	0	500	TRUE
VFD Max 3 PID Min Four Scr: 255	VFD Max Three PID Min Four Screws	vfd_max_three_pid_min_four_scr_1	255.0	0	500	TRUE

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Product Line:
Chiller Type:

UGW- Screw
COOLING 4 PIPE

VFD Min PID for Four Scr: 256	VFD Minimum PID for Four Screws	vfd_min_pid_four_scr_1	256.0	0	500	TRUE
VFD IntPID One Full;3 Min: 274	VFD Interim PID for One Full & Three Min Screws	vfd_interim_pid_one_full_three_min_scr_1	274.0	0	500	TRUE
VFD IntPID Two Full;Two Min:292	VFD Interim PID for Two Half & One Min Screws	vfd_interim_pid_two_full_two_min_scr_1	292.0	0	500	TRUE
VFD IntPID 3 Full; One Min: 311	VFD Interim PID for Three Full One Min Screws	vfd_interim_pid_three_full_one_min_scr_1	311.0	0	500	TRUE
VFD Max PID for Four Scr: 330	VFD Maximum PID for Four Screws	vfd_max_pid_four_scr_1	330.0	0	500	TRUE
VFD Last PID: 340	VFD Last PID	vfd_last_pid_1	340.0	0	500	TRUE
Screw Runtime Before Flush 8.0h	Screw Runtime in Minutes	scr_runtime_before_flush_1	4.0	0	999	TRUE
Use Screw Flush Cycle	Use Screw Flush Cycle	use_scr_flush_1	Yes	No, Yes		TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

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,PID COOL STG1 SETUP,PID HEAT STG1 SETUP,FIXED OPEN MODULE MENU,MOTORIZED VALVE OPTION,MOT VLV SIGNAL TO CLOSE MENU, MASTER INPUT CHNLS 6, &10 SETUP,MASTER INPUT CHNL 7 DEM LIMIT SETUP,MASTER INPUT 8 & 11 SETUP,WATER MAINS & AIR TEMP LIMITS,STARTUP & STAGE DELAYS, ALL MODULE COMP UNLOAD STATUS,AUTO HEAT TRG RESET ON OAT,COMPR SEQUENCING METHOD,HEAT BIN LOAD CAP% STATUS,COOL BIN LOAD CAP% STATUS, MAIN TXV PID SETTINGS,MAIN TXV PSI PID SETTINGS,M1 & M2 MAIN TXV SETTINGS,M3 & M4 MAIN TXV SETTINGS,MODULE ALARM CONDITION RETRIES, MODULE NUMBER MENU,KEYPAD,PREV, SYSTEM SETUP, HOME, ALARM

MODULE SIZE SELECTOR

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Module Size Selector Screen Legend						
Mod1 Size: / 1= Not Used/4=80Ton Mod	Module 1 Size	mod1_size_1	65 Ton	1	4	TRUE
Mod2 Size: /NOTE:DO NOT SELECT 2 OR 3	Module 2 Size	mod2_size_1	65 Ton	1	4	TRUE
Mod3 Size:	Module 3 Size	mod3_size_1	65 Ton	1	4	TRUE
Mod4 Size:	Module 4 Size	mod4_size_1	65 Ton	1	4	TRUE
Mod5 Size:	Module 5 Size	mod5_size_1	Not Used	1	4	TRUE
Mod6 Size:	Module 6 Size	mod6_size_1	Not Used	1	4	TRUE

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

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	106.719604			FALSE
Stage One Cool PID Interval:	Clg PID Interval	clg_interval_1	8.0 sec	1	100	TRUE
Stage One Cool PID P-Gain :	Clg PID P-gain	clg_p_gain_1	18.0	0	999	TRUE
Stage One Cool PID I-Gain#1:	Clg PID I-gain	clg_i_gain_1	0.35	0	99	TRUE
Max Cool Ramp Rate: - (F) (/min)	MAX COOL RAMP RATE	max_cool_ramp_rate_1	10.0 °F/min	1	20	TRUE
Clg PID Rise Fast: (%/min)	Clg PID Rise Fast	clg_rise_fast_1	12.0 sec	1	300	TRUE
Clg PID Rise Slow: (%/min)	Clg PID Rise Slow	clg_rise_slow_1	5.0 sec	1	300	TRUE
Clg PID Fall: (%/min)	Clg PID Fall	clg_fall_1	22.0	2	300	TRUE
Cool Deadbd1:	Clg PID DB1	clg_db1_1	0.3	0	99	TRUE
/CoolDeadbd2:	Clg PID DB2	clg_db2_1	0.0	0	99	TRUE
Stage One Cool PID I-Gain#2:	Clg PID IG2	clg_ig2_1	0.01	0	99	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	-250	250	TRUE

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

PID HEAT STG1 SETUP

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
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LOCAL ACCESS DISPLAY TABLE

Software Version: UGW-H.08B.13

Product Line:
Chiller Type:

UGW- Screw
COOLING 4 PIPE

CoolLogic Heat PID Stage #1 Setup						
Stage One Heat PID Output : (%)	Stage 1 Heating PID	stg1_htg_pid_1	0.0			FALSE
Stage One Heat PID Interval:	Htg PID Interval	htg_interval_1	2.0 sec	1	100	TRUE
Stage One Heat PID P-Gain :	Htg PID P-gain	htg_p_gain_1	20.0	0	999	TRUE
Stage One Heat PID I-Gain#1:	Htg PID I-gain	htg_i_gain_1	0.25	0	99	TRUE
Max Heat Ramp Rate: (F) (/min)	MAX HEAT RAMP RATE	max_heat_ramp_rate_1	10.0 °F/min	1	99	TRUE
Htg PID Rise Fast: (%/min)	Htg PID Rise Fast	htg_rise_fast_1	12.0 sec	1	300	TRUE
Htg PID Rise Slow: (%/min)	Htg PID Rise Slow	htg_rise_slow_1	4.0 sec	1	300	TRUE
Htg PID Fall: (%/min)	Htg PID Fall	htg_fall_1	25.0	2	300	TRUE
HeatDeadbd1:	Htg PID DB1	htg_db1_1	0.1	0	99	TRUE
/Heat Deadbd2:	Htg PID DB2	htg_db2_1	0.0	0	99	TRUE
Stage One Heat PID I-Gain#2:	Htg PID IG2	htg_ig2_1	0.0	0	99	TRUE
PID Switching Differential: (%)	PID Differential Factor	pid_diff_fact_1	5.0	-100	100	TRUE
Heat Cntrl Setpt Offset: (F)	Heat Control Setpoint Offset	ht_cntrl_spt_offset_1	1.0	-250	250	TRUE

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

FIXED OPEN MODULE MENU

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
FIX Mod Mot Vlv Open for Header Bypass						
Open Ext Bypass if NO Comps ON?	Open Bypass Valves by NO Comps ON	open_byp_vlv_on_no_cmps_1	Off	No, Yes		TRUE
Delay Before Closing Mot Valves:	Delay Before Closing Mot Vlv	close_vlv_delay_5	25.0	1	999	TRUE
Fix Module #1 as Open Module?:	Fix Mod1 as Open	fix_module1_open_1	Yes	No, Yes		TRUE
Never Close Module #1?:	Never Close Module #1	never_close_mod1_1	No	No, Yes		TRUE
Fix Module #2 as Open Module?:	Fix Mod2 as Open	fix_module2_open_1	No	No, Yes		TRUE
Never Close Module #2?:	Never Close Module #2	never_close_mod2_1	No	No, Yes		TRUE
Fix Module #3 as Open Module?:	Fix Mod3 as Open	fix_module3_open_1	No	No, Yes		TRUE
Never Close Module #3?:	Never Close Module #3	never_close_mod3_1	No	No, Yes		TRUE
Fix Module #4 as Open Module?:	Fix Mod4 as Open	fix_module4_open_1	No	No, Yes		TRUE
Never Close Module #4?:	Never Close Module #4	never_close_mod4_1	No	No, Yes		TRUE
Fix Module #5 as Open Module?:	Fix Mod5 as Open	fix_module5_open_1	No	No, Yes		TRUE
Never Close Module #5?:	Never Close Module #5	never_close_mod5_1	No	No, Yes		TRUE
Fix Module #6 as Open Module?:	Fix Mod6 as Open	fix_module6_open_1	No	No, Yes		TRUE
Never Close Module #6?:	Never Close Module #6	never_close_mod6_1	No	No, Yes		TRUE

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

MOTORIZED VALVE OPTION

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Motorized Valve Option						
Motorized Valves:	Motorized Valve Options	mot_vlv_opt_5	MVCONDEVA P	No Mot Vlvs, Evap Mot Vlvs Only, Cond&Evap Mot Vlvs		TRUE
Cond Mot Vlv Delay Before Alarm:	Module COND VLV ALM DELAY	mod_cond_vlv_alm_delay_5	600.0	1	999	TRUE
Evap Mot Vlv Delay Before Alarm:	Module EVAP VLV ALM DELAY	mod_evap_vlv_alm_delay_5	600.0	1	999	TRUE
Low Head Press Setpoint Status:	Module Lo Disch Press Setpt	mod_lo_disch_press_sp_5	100.0	1	585	FALSE
Low Head Press Setpoint R410A :	Low Head Press Sp 410a	mod_lo_disch_press_sp_410_5	220.0	1	650	TRUE
Low Head Press Setpoint R134a :	Low Head Press Sp 134a	mod_lo_disch_press_sp_134_5	100.0	1	450	TRUE
Low Head Press Setpoint R407C :	Low Head Press Sp 407	mod_lo_disch_press_sp_407_5	150.0	1	450	TRUE
Cond Mot Vlv PID Settings						
Cond MV PID Interval:	CDMV PID Interval	cdmv_interval_5	2.0 sec	1	180	TRUE
Cond MV PID P-Gain :	CDMV PID P-gain	cdmv_p_gain_5	8.0	1	999	TRUE
Cond MV PID I-Gain :	CDMV PID I-gain	cdmv_i_gain_5	0.02	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	2.0	1	999	TRUE
Cond MV PID Min % :	CDMV PID Minimum Percent	cdmv_pid_mnpct_5	20.0	0	100	TRUE
Module Min CDMV ADJ :	Mod CDMV PID Minimum VDC	mod_min_cdmv_adj_5	3.4	0	100	TRUE

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

MOT VLV SIGNAL TO CLOSE MENU



LOCAL ACCESS DISPLAY TABLE

Software Version: UGW-H.08B.13

Product Line:
Chiller Type:

UGW- Screw
COOLING 4 PIPE

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Module Mot Valve Signal to Close						
Mod1 Mot Valve Signal to Close:	Module 1 Closed	m1_closed_5	Off	No, Yes		FALSE
Mod2 Mot Valve Signal to Close:	Module 2 Closed	m2_closed_5	Off	No, Yes		FALSE
Mod3 Mot Valve Signal to Close:	Module 3 Closed	m3_closed_5	On	No, Yes		FALSE
Mod4 Mot Valve Signal to Close:	Module 4 Closed	m4_closed_5	On	No, Yes		FALSE
Mod5 Mot Valve Signal to Close:	Module 5 Closed	m5_closed_5	Off	No, Yes		FALSE
Mod6 Mot Valve Signal to Close:	Module 6 Closed	m6_closed_5	Off	No, Yes		FALSE
Delay Before Closing Mot Valves:	Delay Before Closing Mot Vlv	close_vlv_delay_5	25.0	1	999	TRUE
Open Ext Bypass if NO Comps ON?	Open Bypass Valves by NO Comps ON	open_byp_vlv_on_no_comps_1	Off	No, Yes		TRUE
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

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

MASTER INPUT CHNLS 6, &10 SETUP

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Master Controller Inputs 6 & 10 Setup						
Input Chn#10Type:	Input Chnl 10 Type	inp_10_point_type_1	NONE	None, Remote Heat Trg		TRUE
Min Cond Wat Out Setpt: (F)	MIN HEAT TRG LIM	min_cw_temp_stp_1	75.0 °F	60	165	TRUE
Max Cond Wat Out Setpt: (F)	MAX HEAT TRG LIM	max_cw_temp_stp_1	135.0 °F	60	165	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 Evap Wat Out Setpt: (F)	MIN COOL TRG LIM	min_chw_temp_stp_1	40.0 °F	0	75	TRUE
Max Evap Wat Out Setpt: (F)	MAX COOL TRG LIM	max_chw_temp_stp_1	62.0 °F	0	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

MASTER INPUT CHNL 7 DEM LIMIT SETUP

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Master Control Demand Limiting Chnl#7						
COOL & HEAT MODE DEMAND LIMITING						
Input Chn#7 Type:	Input Chnl 7 Type	inp_7_point_type_1	None	None, Demand Lim 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	10.0 °F	0	100	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 Chn#7 Scaling:	AI7 Type Rem Cl Trg or Dem Lim	an_inp7_typ_1	NONE	NONE, 4-20 ma, 2-10VDC		TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

MASTER INPUT 8 & 11 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?	Use Diff Press Flow Sensors	use_diff_pr_flow_sens_1	Yes	No, Yes		TRUE
*Std CC Dif Pres Sensor Range=0-43 psid						
Min&Max Scale Range-Cold Wtr Dif Pr.:						
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:	Max Cool Diff Press Scale	max_scale_cool_diff_pr_1	48.94	-99.9	999.9	TRUE
Min&Max Scale Range-Hot Wtr Dif Pr.:						



LOCAL ACCESS DISPLAY TABLE

Software Version: UGW-H.08B.13

Product Line:
Chiller Type:

UGW- Screw
COOLING 4 PIPE

Hot Wtr Chn #11 Scaling Type:	AI11 Type	an_inp11_typ_1	0-5VDC	4-20 ma, 0-10VDC, 0-5 VDC		TRUE
Hot Wtr Min Scale @ 0V or 0mA :	Min Source Diff Press Scale @ 0	min_scale_heat_diff_pr_1	-5.43	-99.9	999.9	TRUE
Hot Wtr Max Scale@5V,10Vor20mA:	Max Source Diff Press Scale	max_scale_heat_diff_pr_1	48.94	-99.9	999.9	TRUE
Cond Wat Min Dif Pr Flo Setpt: (PSI)	LO CW Diff Press	lo_cw_diff_pr_1	2.0	0	46	TRUE
Chil Wat Min Dif Pr Flo Setpt: (PSI)	Lo CHW Diff Pressure	lo_chw_diff_pr_1	2.0	0	46	TRUE
Differential Pressure Sensure Readings:						
Cond Water Diff Press Sensor: (PSID)	Diff Press Heat Load	diff_press_heat_load_1	8.053761 °F			FALSE
Chil Water Diff Press Sensor: (PSID)	Diff Press Cool Load	diff_press_cool_load_1	8.48872 °F			FALSE

LINK(S): PREV, SYSTEM SETUP, HOME

WATER MAINS & AIR TEMP LIMITS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Main Hdr Water & Air Temp Alarm Limits						
Evap Wat In Lo Limit: (F)	CHWR Enable Lo Limit	chwr_lo_lim_1	38.0	0	165	TRUE
Evap Wat In Hi Limit: (F)	CHWR Enable Hi Limit	chwr_hi_lim_1	90.0	0	165	TRUE
Evap Wat Out Lo Limit: (F)	LO EVAP LVG TMP	chws_low_lim_1	38.0	0	165	TRUE
Evap Wat Out Hi Limit: (F)	HI EVAP LVG TMP	chws_hi_lim_1	90.0	0	165	TRUE
Cond Wat In Lo Limit: (F)	LO CND LVG TMP	cws_low_lim_1	55.0	10	165	TRUE
Cond Wat Out Lo Limit: (F)	CWR Enable Lo Limit	cwr_lo_lim_1	55.0	10	165	TRUE
Main Header Cond Water Hi Limit:						
CWR Cond Wtr Out UGW Hi Limit: (F)	HI COND LVG TMP UCW	ucw_cwr_hi_lim_1	118.0	10	165	TRUE
CWS Cond Wtr In UGW Hi Limit: (F)	HI COND ENT TMP UCW	ucw_cws_hi_lim_1	114.0	10	165	TRUE
CWR Cond Wtr Out UGH Hi Limit: (F)	HI COND LVG TMP UCH	uch_cwr_hi_lim_1	135.0	10	165	TRUE
CWS Cond Wtr In UGH Hi Limit: (F)	HI COND ENT TMP UCH	uch_cws_hi_lim_1	135.0	10	165	TRUE
Cond Wat In Hi Limit: (F)	Module Entering Cond Water Temp Setpoint	cws_hi_lim_1	114.0	10	165	FALSE
Cond Wat Out Hi Limit: (F)	Module Leaving Cond Water Temp Setpoint	cwr_hi_lim_1	118.0	10	165	FALSE
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	140	TRUE
Outdoor Air Hi Limit: (F)	HI AMBIENT TMP	hi_ambient_tmp_1	110.0 °F	-20	140	TRUE
Allow Evap Wtr Pump Menu Access?:	Use CHW Pump Menu	use_chw_pump_menu_1	No	No, Yes		TRUE
Allow Cond Wtr Pump Menu Access?:	Use CW Pump Menu	use_cw_pump_menu_1	No	No, Yes		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	45.0 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

AUTO HEAT TRG RESET ON OAT

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Heat Tgr Reset on OAT						
Auto Heat Trg Reset :	OA AUTO HT TRG ON/OFF	auto_ht_trg_onof_1	0.0	Off, On		TRUE
Max OAT for Scaling Cond Trg: (F)	MAX OAT FOR HTG TRG RES	max_oat_htg_trg_reset_1	60.0 °F	0	140	TRUE
Min OAT for Scaling Cond Trg: (F)	MIN OAT FOR HTG TRG RESET	min_oat_htg_trg_reset_1	0.0 °F	-20	140	TRUE

LINK(S): PREV, SYSTEM SETUP, HOME

COMPR SEQUENCING METHOD

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Compr Sequencing Method						
Compr Equal Runtime:	Equal Runtime	equal_rtim_1	On	Off, On		TRUE



LOCAL ACCESS DISPLAY TABLE

Software Version: UGW-H.08B.13

Product Line:
Chiller Type:

UGW- Screw
COOLING 4 PIPE

SWAP COMP LEAD :	Manually Refresh Lead Module	man_refr_modlead_1	Do Not Refresh Lead	Do Not Refresh Lead, Refresh Lead		TRUE
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LINK(S): LEAD COMPR ROTATION SETUP,PREV, SYSTEM SETUP, HOME, ALARM

HEAT BIN LOAD CAP% STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Heat BinLoad Cap% Status						
HeatBin 10% (h)	HEAT BIN 0-10 % HRS	heat_bin_0010_1	0.0			FALSE
/ HeatBin 60% (h)	HEAT BIN 50-60 % HRS	heat_bin_5060_1	0.0			FALSE
HeatBin 20% (h)	HEAT BIN 10-20 % HRS	heat_bin_1020_1	0.0			FALSE
/ HeatBin 70% (h)	HEAT BIN 60-70 % HRS	heat_bin_6070_1	0.0			FALSE
HeatBin 30% (h)	HEAT BIN 20-30 % HRS	heat_bin_2030_1	0.0			FALSE
/ HeatBin 80% (h)	HEAT BIN 70-80 % HRS	heat_bin_7080_1	0.0			FALSE
HeatBin 40% (h)	HEAT BIN 30-40 % HRS	heat_bin_3040_1	0.0			FALSE
/ HeatBin 90% (h)	HEAT BIN 80-90 % HRS	heat_bin_8090_1	0.0			FALSE
HeatBin 50% (h)	HEAT BIN 40-50 % HRS	heat_bin_4050_1	0.0			FALSE
/HeatBin 100% (h)	HEAT BIN 90-100 % HRS	heat_bin_90100_1	0.0			FALSE
Reset Hours in ALL Heat Bins:	HEAT BIN RESET	heat_bin_reset_1	Off	Off, On		TRUE

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

COOL BIN LOAD CAP% STATUS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
CoolLogic Cool BinLoad Cap% Status						
CoolBin 10% (h)	COOL BIN 0-10 % HRS	cool_bin_0010_1	0.044166666			FALSE
/ CoolBin 60% (h)	COOL BIN 50-60 % HRS	cool_bin_5060_1	0.0			FALSE
CoolBin 20% (h)	COOL BIN 10-20 % HRS	cool_bin_1020_1	0.11083333			FALSE
/ CoolBin 70% (h)	COOL BIN 60-70 % HRS	cool_bin_6070_1	0.0			FALSE
CoolBin 30% (h)	COOL BIN 20-30 % HRS	cool_bin_2030_1	0.11305556			FALSE
/ CoolBin 80% (h)	COOL BIN 70-80 % HRS	cool_bin_7080_1	0.0			FALSE
CoolBin 40% (h)	COOL BIN 30-40 % HRS	cool_bin_3040_1	0.03			FALSE
/ CoolBin 90% (h)	COOL BIN 80-90 % HRS	cool_bin_8090_1	0.0			FALSE
CoolBin 50% (h)	COOL BIN 40-50 % HRS	cool_bin_4050_1	0.0			FALSE
/CoolBin 100% (h)	COOL BIN 90-100 % HRS	cool_bin_90100_1	0.0			FALSE
Reset Hours in ALL Cool Bins:	COOL BIN RESET	cool_bin_reset_1	Off	Off, On		TRUE

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

MAIN TXV PID SETTINGS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
MAIN TXV PID Settings						
M1C1 MainTXV PID Output: (%)	Module 1 Comp 1 Main TXV PID Out	m1c1_mntx_pid_5	4.1325912			FALSE
M2C1 MainTXV PID Output: (%)	Module 2 Comp 1 Main TXV PID Out	m2c1_mntx_pid_5	3.0173447			FALSE
M3C1 MainTXV PID Output: (%)	Module 3 Comp 1 Main TXV PID Out	m3c1_mntx_pid_5	0.0			FALSE
M4C1 MainTXV PID Output: (%)	Module 4 Comp 1 Main TXV PID Out	m4c1_mntx_pid_5	0.0			FALSE
Main TXV Superheat Setpoint:	Main TX SPRHT Setpoint	mntx_sprht_stpt_5	8.0	0	99	TRUE
Main TXV PID Interval:	MNTX PID Interval	mntx_interval_5	3.0 sec	1	999	TRUE
Main TXV PID Gain :	MNTX PID gain	mntx_gain_5	1.0	0	999	TRUE
Main TXV PID P-Gain :	MNTX PID P-gain	mntx_p_gain_5	11.0	0	999	TRUE
Main TXV PID I-Gain#1:	MNTX PID I-gain	mntx_i_gain_5	0.8	0	99	TRUE
Main TXV PID I-Gain#2:	MNTX PID IG2	mntx_i_gain2_5	0.0	0	99	TRUE
Main TXV PID D-Gain#1:	MNTX PID D-gain	mntx_d_gain_5	0.0	0	99	TRUE
Main TXV PID Rise : (%/min)	MNTX PID Rise	mntx_pid_rise_5	30.0 sec	1	999	TRUE
Main TXV PID Fall : (%/min)	MNTX PID Fall	mntx_pid_fall_5	30.0	1	999	TRUE
Main TXV PID Limit : (%)	Main TX Maximum PID	mntx_max_pid_5	65.0	55	999	FALSE
Main TXV PID Deadbd1 :		mntx_db1_5		0	99	TRUE
Main TXV PID Deadbd2 :	MNTX PID DB2	mntx_pid_db2_5	0.0	0	99	TRUE

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

MAIN TXV PSI PID SETTINGS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
MAIN TXV PID Settings FOR PSI						
M1C1 MainTXV PID Output : (%)	Module 1 Comp 1 Main TXV PID Out	m1c1_mntx_pid_5	4.1325912			FALSE
M2C1 MainTXV PID Output : (%)	Module 2 Comp 1 Main TXV PID Out	m2c1_mntx_pid_5	3.0173447			FALSE
M3C1 MainTXV PID Output : (%)	Module 3 Comp 1 Main TXV PID Out	m3c1_mntx_pid_5	0.0			FALSE
M4C1 MainTXV PID Output : (%)	Module 4 Comp 1 Main TXV PID Out	m4c1_mntx_pid_5	0.0			FALSE
MainTXV for PSI PID Interval:	MNTX PID PSI Interval	mntx_psi_interval_5	3.0 sec	1	999	TRUE
MainTXV for PSI PID Gain :	MNTX PSI PID gain	mntx_psi_gain_5	1.0	0	999	TRUE
MainTXV for PSI PID P-Gain :	MNTX PID PSI P-gain	mntx_psi_p_gain_5	11.0	0	999	TRUE
MainTXV for PSI PID I-Gain#1:	MNTX PSI PID I-gain	mntx_psi_i_gain_5	0.8	0	99	TRUE
MainTXV for PSI PID I-Gain#2:	MNTX PSI PID IG2	mntx_psi_i_gain2_5	0.0	0	99	TRUE
MainTXV for PSI PID D-Gain#1:	MNTX PSI PID D-gain	mntx_psi_d_gain_5	0.0	0	99	TRUE
MainTXV for PSI PID Rise: (%/min)	MNTX PSI PID Rise	mntx_psi_pid_rise_5	30.0 sec	1	999	TRUE
MainTXV for PSI PID Fall: (%/min)	MNTX PSI PID Fall	mntx_psi_pid_fall_5	30.0	1	999	TRUE
MainTXV PID Limit: (%)	Main TX Maximum PID	mntx_max_pid_5	65.0	55	999	FALSE
MainTXV for PSI PID Deadbd1:	MNTX PID PSI DB1	mntx_psi_pid_db1_5	0.1	0	99	TRUE
MainTXV for PSI PID Deadbd2:	MNTX PSI PID DB2	mntx_psi_pid_db2_5	0.0	0	99	TRUE
Main TXV Max Suct PSI STPT:	Main TX Maximum Suct PSI Setpoint	mntx_maxpsi_stpt_5	60.0	0	99	TRUE
Main TXV Min PSI DIF STPT:	Main TX MinPSI Dif Setpoint	mntx_minpsidif_stpt_5	40.0	0	99	TRUE

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

M1 & M2 MAIN TXV SETTINGS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Modules 1 & 2 MAIN TXV PID Settings						
M1C1 MainTXV PID Output :	Module 1 Comp 1 Main TXV PID Out	m1c1_mntx_pid_5	4.1325912			FALSE
M1C1 MainTXV Superht PID Output :	Module 1 Comp 1 Main TXV SPHT PID Out	m1c1_mntx_scaled_spht_pidout_5	4.1325912			FALSE
M1C1 MainTXV Max Suc PID Output :	Module 1 Comp 1 Main TXV PSI PID Out	m1c1_mntx_scaled_psi_pidout_5	10.0			FALSE
M1C1 MainTXV Min Dif PID Output :	Module 1 Comp 1 Main TXV PSI DIF PID Out	m1c1_mntx_scaled_psidif_pidout_5	10.0			FALSE
M2C1 MainTXV PID Output :	Module 2 Comp 1 Main TXV PID Out	m2c1_mntx_pid_5	3.0173447			FALSE
M2C1 MainTXV Superht PID Output :	Module 2 Comp 1 Main TXV SPHT PID Out	m2c1_mntx_scaled_spht_pidout_5	3.0173447			FALSE
M2C1 MainTXV Max Suc PID Output :	Module 2 Comp 1 Main TXV PSI PID Out	m2c1_mntx_scaled_psi_pidout_5	10.0			FALSE
M2C1 MainTXV Min Dif PID Output :	Module 2 Comp 1 Main TXV PSI DIF PID Out	m2c1_mntx_scaled_psidif_pidout_5	10.0			FALSE
Main TXV Max Suct PSI STPT:	Main TX Maximum Suct PSI Setpoint	mntx_maxpsi_stpt_5	60.0	0	99	TRUE
Main TXV Min PSI DIF STPT:	Main TX MinPSI Dif Setpoint	mntx_minpsidif_stpt_5	40.0	0	99	TRUE

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

M3 & M4 MAIN TXV SETTINGS

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
Modules 3 & 4 MAIN TXV PID Settings						
M3C1 MainTXV PID Output :	Module 3 Comp 1 Main TXV PID Out	m3c1_mntx_pid_5	0.0			FALSE
M3C1 MainTXV Superht PID Output :	Module 3 Comp 1 Main TXV SPHT PID Out	m3c1_mntx_scaled_spht_pidout_5	0.0			FALSE

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M3C1 MainTXV Max Suc PID Output :	Module 3 Comp 1 Main TXV PSI PID Out	m3c1_mntx_scaled_psi_pidout_5	10.0			FALSE
M3C1 MainTXV Min Dif PID Output :	Module 3 Comp 1 Main TXV PSI DIF PID Out	m3c1_mntx_scaled_psidif_pidout_5	0.0			FALSE
M4C1 MainTXV PID Output :	Module 4 Comp 1 Main TXV PID Out	m4c1_mntx_pid_5	0.0			FALSE
M4C1 MainTXV Superht PID Output :	Module 4 Comp 1 Main TXV SPHT PID Out	m4c1_mntx_scaled_spht_pidout_5	0.0			FALSE
M4C1 MainTXV Max Suc PID Output :	Module 4 Comp 1 Main TXV PSI PID Out	m4c1_mntx_scaled_psi_pidout_5	0.0			FALSE
M4C1 MainTXV Min Dif PID Output :	Module 4 Comp 1 Main TXV PSI DIF PID Out	m4c1_mntx_scaled_psidif_pidout_5	0.0			FALSE
Main TXV Max Suct PSI STPT:	Main TX Maximum Suct PSI Setpoint	mntx_maxpsi_stpt_5	60.0	0	99	TRUE
Main TXV Min PSI DIF STPT:	Main TX MinPSI Dif Setpoint	mntx_minpsidif_stpt_5	40.0	0	99	TRUE

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

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	3.0	0	9	TRUE
Module Low Suct Press Retry:	Module LO SUC PSI RETRY	mod_lo_suc_psi_retry_5	3.0	0	9	TRUE
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	3.0	0	9	TRUE
Module Hi Disch Temp Retry:	Module HI DIS TMP RETRY	mod_hi_dis_tmp_retry_5	3.0	0	9	TRUE
Module Low Suct Temp Retry:	Module LO SUC TMP RETRY	mod_lo_suc_tmp_retry_5	3.0	0	9	TRUE

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

MODULE NUMBER MENU

Screen Display	Content	BACnet Object	Default	Min. Value	Max. Value	Editable
FIX Module Number 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

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