Long Name	Short Name	Data Type	Object ID	Attribute ID	Modbus Address	N2 Point Type	N2 Point Address	BACoid	Modify	Default/ IP Default Value	IP Min Value	IP Max Value	IP Units	Default/ SI Default Value	SI Min Value	SI Max Value	SI Units	Enum Set
Unit Status	Unit-S	MV	1	7000	280	ADI	1	29803	Read Only									0=Idle/1=SD Alarm/2=Purge Command/3=Self Test/4=Morning Warm Up/5=Air Tempering/6=Dehumidification/7=Heating/8=Cooling/9=Economizer/10=Fan Only/11=Comfort Ventilation/12=Startup Delay
Unit Name	Name	SV	1	7001				29804	Read/Write			30				30		
Unit Model Number	Model#	SV	1	7002				29805	Read/Write	RTUxxxxx		40				40		
Unit Serial Number	Serial#	SV	1	7003				29806	Read/Write			40				40		
Firmware Version	FirmVer	SV	1	7004				29807	Read Only			30				30		
Firmware Status	Firm-S	MV	1	7005					Read Only									0=Firmware Versions OK/1=Firmware Versions Do Not Match the Package
Heating Control Type	Htg-Type	MV	1	7006				29501	Read/Write									0=Staged/1=Proportional
Exhaust Type	ExFType	MV	1	7008	412	ADI	129	29503	Read/Write									0=None/1=Non-Modulating/2=Modulating Damper/3=Variable Frequency Fan
UCB 24VAC Input	UCB24VForOutp	AV	1	7009					Read Only				V				V	
Cancel ASCD Timers	N/A	MV	1	7010					Read/Write	Off								Off/On
Reset Lockouts	ResetLO	MV	1	7011	80	ADI	2	29826	Read/Write	Off								Off/On
Outputs Disabled Due to Low Input Voltage	N/A	MV	1	7012					Read Only									No/Yes
Outputs Limited Due to Low Input Voltage	N/A	MV	1	7013					Read Only									No/Yes
Model Name	ModelName	SV	1	7014					Read Only			30				30		
CCS Online	N/A	MV	1	7015					Read/Write	No								No/Yes
Rooftop Controller Type	CntrlType	MV	1	7017					Read/Write	Constant Volume								0=Changeover Bypass/1=VAV/2=Constant Volume/3=TEC
Rooftop Equipment Type	EquipType	MV	1	7018					Read/Write	RTU								0=Unknown/1=RTU/2=Split/3=HeatPump
Unit Enable	UnitEn	MV	1	7019	411	ADI	128	29896	Read/Write	Enable								Shutdown/Enable
SZ VAV Enabled	SZVAVEn	MV	1	7020	399	ADI	118	29908	Read/Write									Off/On
Hardware Reset	HdwrReset	MV	1	7021	126	ADI	109	29909	Read/Write	No								No/Yes
Software Version	N/A	AV	1	7022	0				Read Only	12292								
Event 1 Value	Event1Value	AV	1	7023	825			29938	Read Only									
Event 2 Value	Event2Value	AV	1	7024	827			29940	Read Only									
Event 3 Value	Event3Value	AV	1	7025	829			29942	Read Only									
Event 4 Value	Event4Value	AV	1	7026	831			29944	Read Only									
Event 5 Value	Event5Value	AV	1	7027	833			29946	Read Only									
Event 1 Set	Event1Set	AV	1	7028	824			29939	Read Only									
Event 2 Set	Event2Set	AV	1	7029	826			29941	Read Only									
Event 3 Set	Event3Set	AV	1	7030	828			29943	Read Only									
Event 4 Set	Event4Set	AV	1	7031	830			29945	Read Only									
Event 5 Set	Event5Set	AV	1	7032	832			29947	Read Only									
HVAC Space	N/A	MV	1	7036					Read Only									No/Yes
High Alarm Text	N/A	MV	1	7037	834				Read Only									
Low Alarm Text	N/A	MV	1	7038	835				Read Only									
High Alarm Text	N/A	MV	1	7039	836				Read Only									
Low Alarm Text	N/A	MV	1	7040	837				Read Only									
High Alarm Text	N/A	MV	1	7041	838				Read Only									
Low Alarm Text	N/A	MV	1	7042	839				Read Only									
Unique Equipment Identifier	N/A	MV	1	7043					Read/Write									0=Standard / 1=Tandem Cir1 With 2 Stage Cir2 / 2= 2 Stage Cir1 With 2 Stage Cir2 / 3=2 Stage Cir1 With Single Cir2 / 4=Tandem Cir1 With Single Cir2 / 5=Inverted Single Cir1 With Single Cir2
Serial Flash Size	Serial Flash Size	SV	1	7044														
Y1 - Thermostat	Y1-Tstat	MV	2	7000	281	BI	1	29504	Read Only									0=Off/1=On
Y2 - Thermostat	Y2-Tstat	MV	2	7001	282	BI	2	29505	Read Only									Off/On
Y3 - Thermostat	Y3-Tstat	MV	2	7002	283	BI	3	29506	Read Only									Off/On
Y4 - Thermostat	Y4-Tstat	MV	2	7003	284	BI	4	29507	Read Only									Off/On
W1 - Thermostat	W1-Tstat	MV	2	7004	285	BI	5	29508	Read Only									Off/On
W2 - Thermostat	W2-Tstat	MV	2	7005	286	BI	6	29509	Read Only									Off/On
W3 - Thermostat	W3-Tstat	MV	2	7006	287	BI	7	29510	Read Only									Off/On
G - Thermostat	G-Tstat	MV	2	7007	288	BI	8	29511	Read Only									Off/On
Local Occupancy Input - Thermostat	Occ-Tstat	MV	2	7008				29512	Read Only									0=On / 1=Off
X-OUT	X-Out	MV	2	7009	289	BO	1	29513	Read Only									Off/On
Thermostat Only Control Enabled	Tstat-Only	MV	2	7010	413	BI	42	29514	Read/Write	Yes								No/Yes
Fan Status	Fan-S	MV	3	7000	302	ADI	23	29550	Read Only									0=Off-Idle / 1=On-Purge / 2=On-Gas Valve or Limit Fault / 3=On-Defrost / 4=On-Thermostat Request / 5=On-Fan Off Delay For Cool / 6=On-Fan Off Delay For Heat / 7=On-Continuous Fan Occupied Operation / 8=On-Normal Command / 9=Off-Exceeding Duct Pressure Shutdown SP / 10=Off-Low Voltage / 11=Off-Fan Overload Lockout / 12=Off-Fan VFD Fault / 13=Off-Hot Water Freeze Stat / 14=Off-Air Proving Switch / 15=Off-Minimum Off Delay / 16=Off-Fan On Delay For Heat / 17=Off-Fan Off Delay For Cool
Fan % Command	FanVFD	AV	3	7001	157	AO	1	29551	Read Only				%				%	
Fan VFD Fault	FanVFDFlt	MV	3	7002	303	BI	10	29552	Read Only									0=Normal/1=Alarm
Fan Overload	FanOvrload	MV	3	7003	304	BI	11	29553	Read Only									Normal/Alarm
Fan Accumulated Runtime	Fan-RT	AV	3	7004	9	ADF	30	29554	Read/Write		0	10000	hours		0	10000	hours	
Fan Control Type	FanCtl-Type	MV	3	7005	400	ADI	119	29555	Read/Write	Single Speed								0=Single Speed / 1=Not Used / 2=Fixed Variable / 3=Variable Speed
Air Proving Switch Setup	APSSetup	MV	3	7006	414	ADI	130	29556	Read/Write	None								0=Constant Volume / 1=Variable Volume / 2=None
Air Proving Switch	APS	MV	3	7007	305	BI	12	29557	Read Only									0=Off / 1=On
Fan On Delay for Cool	FanOnDlyCool	AV	3	7008	90	ADI	24	29558	Read/Write	0	0	30	seconds		0	30	seconds	
Fan Off Delay for Cool	FanOffDlyCool	AV	3	7009	415	ADI	131	29559	Read/Write	30	0	255	seconds		0	255	seconds	
Fan On Delay for Heat	FanOnDlyHeat	AV	3	7010	416	ADI	132	29560	Read/Write	30	0	30	seconds		0	30	seconds	
Fan Off Delay for Heat	FanOffDlyHeat	AV	3	7011	417	ADI	133	29561	Read/Write	120	0	255	seconds		0	255	seconds	
Dirty Filter Switch	DFS	MV	3	7012	306	BI	13	29562	Read Only									Normal/Alarm
Fan Command	Fan	MV	3	7013	307	BO	2	29563	Read Only									0=Off / 1=On
Supply Air Temperature	SAT	AV	3	7014	158	AI	3	29564	Read Only				°F				°C	
Duct Static Pressure	DctPrs	AV	3	7015	159	AI	4	29565	Read Only				in wc				kPa	
Duct Pressure Setpoint	DctPrs-Sp	AV	3	7016	10	ADF	31	29566	Read/Write	1.5	0	5	in wc		0	1.25	kPa	
Duct Pressure Shutdown Setpoint	DctShutdownSp	AV	3	7017	11	ADF	32	29567	Read/Write	4.5	0	5	in wc		0	1.25	kPa	

Continuous Fan Operation in Occupied Mode	FanOnOcc	MV	3	7018	91	ADI	25	29568	Read/Write	Yes								0=Yes/1=No
Turn Off Continuous Fan Operation When Starting Heat	FanOffStartHeat	MV	3	7019	92	ADI	26	29569	Read/Write	Yes								0=Yes/1=No
Occupied: No Heat or Cool % Command	FanOnly-%Cmd	AV	3	7020	12	ADF	33	29570	Read/Write	50	0	100	%		0	100	%	
Occupied: One Stage of Cool % Command	1ClgStg-%Cmd	AV	3	7021	13	ADF	34	29571	Read/Write	70	0	100	%		0	100	%	
Occupied: Two Stage of Cool % Command	2ClgStg-%Cmd	AV	3	7022	14	ADF	35	29572	Read/Write	80	0	100	%		0	100	%	
Occupied: One Stage of Heat % Command	1HtgStg-%Cmd	AV	3	7023	17	ADF	38	29573	Read/Write	100	0	100	%		0	100	%	
Occupied: Two Stage of Heat % Command	2HtgStg-%Cmd	AV	3	7024	18	ADF	39	29574	Read/Write	100	0	100	%		0	100	%	
Supply Air Temperature Sensor Fault	N/A	MV	3	7025					Read Only									Normal/Alarm
Duct Static Pressure Sensor Fault	N/A	MV	3	7026					Read Only									Normal/Alarm
Occupied: Three Stage of Cool % Command	3ClgStg-%Cmd	AV	3	7027	15	ADF	36	29819	Read/Write	90	0	100	%		0	100	%	
Occupied: Four Stage of Cool % Command	4ClgStg-%Cmd	AV	3	7028	16	ADF	37	29820	Read/Write	100	0	100	%		0	100	%	
Occupied: Three Stage of Heat % Command	3HtgStg-%Cmd	AV	3	7029	19	ADF	40	29821	Read/Write	100	0	100	%		0	100	%	
Unit Locked Out Due to Air Proving Switch	N/A	MV	3	7030					Read Only									Normal/Alarm
Unit Shutdown Due to Air Proving Switch	N/A	MV	3	7031					Read Only									Normal Off/Startup/Normal On/Proof Lost OK/Proof Lost Fault/False Proof Off/False Proof Fault
Unit Shutdown Due High Duct Static Pressure	N/A	MV	3	7033					Read Only									Normal/Alarm
Unit Locked Out Supply Fan Overload	N/A	MV	3	7034					Read Only									Normal/Alarm
Dirty Filter Switch Installed	DFSInst	MV	3	7035					Read/Write	Yes								No/Yes
Air Proving Switch Stuck Closed	N/A	MV	3	7036					Read Only									Normal Off/Startup/Normal On/Proof Lost OK/Proof Lost Fault/False Proof Off/False Proof Fault
SZ VAV Minimum Fan Speed	SZVAVMinFanSpd	AV	3	7037	73	ADF	159	29913	Read/Write	66	0	100	%		0	100	%	
Low Pressure Limit 1	DAP-Min	AV	3	7038	846	ADF	194	30072	Read/Write	0.05	0.01	1	in wc		2.5	250	Pa	
Time	DAP-AlmDly	AV	3	7040	847	ADF	195	30073	Read/Write	90	0	600	seconds		0	600	seconds	
DFSInst	DFSInst	MV	3	7041					Read Only									0=Normal/1=Alarm
Dehumidification % Command	N/A	AV	3	7042	851	ADF	190	29948	Read/Write	80	0	100	%		0	100	%	
Cooling Mode Enabled For Operation	Clg-En	MV	4	7000	93	ADI	27	29575	Read/Write	Yes								0=No/1=Yes
Number of Cooling Stages Installed	#ClgStgs	AV	4	7001	401	ADI	120	29576	Read/Write	1	1	4			1	4		
Cooling Status	Clg-S	MV	4	7002	308	ADI	28	29577	Read Only									0=Off-Idle/1=Thermostat Cooling/2=Unoccupied Cooling/3=Occupied Cooling/4=Off-OAT Lockout/5=Off-Disabled/6=Off-Lockout/7=Off-Low Supply Voltage/8=Off-Low Ambient/9=Off-Low Ambient Pre-Run Delay/10=Off-Waiting For Changeover Delay/11=Off-Free Cooling/12=Comfort Ventilation
Minimum Runtime for a Cooling Stage	MinRtCoolStg	AV	4	7003	20	ADF	41	29578	Read/Write	3	3	10	minutes		3	10	minutes	
Lead/Lag Equalize Cooling Stage Runtime Enabled	LeadLag-En	MV	4	7004	402	ADI	121	29579	Read/Write	No								0=No/1=Yes
Low Ambient Fan Pre-run Time For Cooling	LowAmbFanPrerunCool	AV	4	7005	418	ADI	134	29580	Read/Write	60	0	255	seconds		0	255	seconds	
OAT Cooling Cutout Enabled	ClgOATCutout-En	MV	4	7006	94	ADI	29	29581	Read/Write	Yes								No/Yes
OAT Cooling Cutout	ClgOATCutout	AV	4	7007	21	ADF	42	29582	Read/Write	45	0	100	°F		-18	38	°C	
Economizer Loading Enabled	EconLoad-En	MV	4	7008	95	ADI	30	29583	Read/Write	No								No/Yes
All Compressors Off in Free Cooling	AllCompOff-Econ	MV	4	7009	96	ADI	31	29584	Read/Write	No								No/Yes
Low Ambient Cooling Stages 10 on 5 off Setpoint	LowAmb10On5OffSp	AV	4	7010	419	ADF	177	29585	Read/Write	45	0	60	°F		-18	15	°C	
Temperature/Humidity (Return) Control Enable	TempHumCtrl-En	MV	4	7011	97	ADI	32	29586	Read/Write	No								No/Yes
Temperature/Humidity Setpoint	TempHum-Sp	AV	4	7012	22	ADF	43	29587	Read/Write	50	20	80	%RH		20	80	%RH	
Maximum Temperature / Humidity Setpoint Offset	MaxTempHumSpOff	AV	4	7013	23	ADF	44	29588	Read/Write	3	0	5	delta °F		0	3	delta °K	
Temperature / Humidity Value per Degree Offset	TempHumValPerDegOff	AV	4	7014	24	ADF	45	29589	Read/Write	5	1	10	%RH		1	10	%RH	
SAT Limit for Cooling Enable	SATCoolLimit-En	MV	4	7015	98	ADI	33	29590	Read/Write	Yes								No/Yes
SAT Limit for Cooling Setpoint	SATCoolLimit-Sp	AV	4	7016	25	ADF	46	29591	Read/Write	45	40	65	°F		4	18	°C	
Freeze Condition Setpoint	Freeze-Sp	AV	4	7017	420	ADF	178	29592	Read/Write	26	20	32	°F		-7	0	°C	
Condenser Fan 1	CN-Fan	MV	4	7018	309	BO	3	29593	Read Only									Off/On
Condenser Fan 2	CF2	MV	4	7019	310	BO	4	29594	Read Only									Off/On
Unit Type	UnitType	MV	4	7020	403	ADI	122	29595	Read/Write									0=Not Used/1=Package Cool/2=Package HP/3=Split Cool/4=Split HP/5=Water Source Package HP/6=Water Source Split HP/7=Water Cooled Package Cool/8=Water Cooled Split Cool/9=Walk In Cooler/10=Walk In Freezer/11=n
EER	EER	AV	4	7021	404	ADF	175	29596	Read/Write		0	20			0	20		
Subcooling Goal	SubcoolGoal	AV	4	7022	421	ADF	179	29597	Read/Write		-10	20	°F		-23	-6	°C	
Refrigerant Type	RefrigType	MV	4	7023	405	ADI	123	29598	Read/Write									R22/R12/R500/R134A/R410A/R502/R409A/404A/507A/R407C/n
High Side Port Location	HiSidePortLoc	MV	4	7024	422	ADI	135	29599	Read/Write									Liquid/Discharge
Evaporator Coil Type	EvapCoil-Type	MV	4	7025	406	ADI	124	29600	Read/Write	MicroChannel								MicroChannel/Tube and Fin
Condenser Coil Type	CondCoil-Type	MV	4	7026	423	ADI	136	29601	Read/Write	MicroChannel								MicroChannel/Tube and Fin
Indoor Metering Device Type	InMeterDev-Type	MV	4	7027	424	ADI	137	29602	Read/Write									TxV/FO/TxV Or FO/n
Outdoor Metering Device Type	OutMeterDev-Type	MV	4	7028	425	ADI	138	29603	Read/Write									TxV/FO/TxV Or FO/n
VAV Cooling Supply Air Temp Upper Setpoint	SATUp-Sp	AV	4	7029	26	ADF	47	29604	Read/Write	60	41	70	°F		5	21	°C	
VAV Cooling Supply Air Temp Lower Setpoint	SATLo-Sp	AV	4	7030	27	ADF	48	29605	Read/Write	55	40	69	°F		4	20	°C	
VAV Supply Air Temp Reset Setpoint	SATRst-Sp	AV	4	7031	28	ADF	49	29606	Read/Write	72	40	85	°F		4	30	°C	
VAV Operating Cooling Supply Air Temp Setpoint	OprVAVClg-Sp	AV	4	7032	160	ADF	50	29607	Read Only	72			°F				°C	
CV Occupied Cooling Setpoint	ClgOcc-Sp	AV	4	7033	29	ADF	51	29608	Read/Write	72	45	98	°F		7	36	°C	
CV Unoccupied Cooling Setpoint	ClgUnocc-Sp	AV	4	7034	30	ADF	52	29609	Read/Write	85	46	99	°F		8	37	°C	
CV Operating Cooling Setpoint	OprCVClg-Sp	AV	4	7035	161	ADF	53	29610	Read Only	72			°F				°C	
Excessive Supply Air Cooling Fault	N/A	MV	4	7036					Read Only									Normal/Drop Stage/Wait/SAT Unreliable
Cooling Lockout due to Low Outdoor Air Temp	N/A	MV	4	7037					Read Only									Normal/Alarm
Unit Capacity	UnitCap	AV	4	7038	407	ADF	176	29886	Read/Write		0	130	tons		0	460	kW	
Fan Power	FanPower	AV	4	7039	426	ADF	180	29887	Read/Write		0	19	kW		0	19	kW	
Super Heat Goal	SuperHeatGoal	AV	4	7040	427	ADF	181	29888	Read/Write		10	30	°F		-12.2	-1.1	°C	
Altitude	Altitude	AV	4	7041	31	ADF	54	29889	Read/Write		-1500	30000	ft		-457.2	9144	m	
Cooling Manual Tuning	ClgManualTune	MV	4	7042					Read/Write									No/Yes
Cooling Adaptive Tuning Enable	ClgAdapTunEn	MV	4	7043	100	ADI	35	29882	Read/Write	No								No/Yes
Number of Refrig Systems Installed	#RefrigSys	AV	4	7044	32	ADF	55	29890	Read/Write	4	0	4			0	4		
DAT Cooling Min SP	DATClgMinSP	AV	4	7045	74	ADF	160	29907	Read/Write	54	50	60	°F		9.5	15.6	°C	
Pump Out Enable	PmpOut-En	MV	4	7046	428	ADI	139	29921	Read/Write	Disable								Disable/Enable
Staged Cooling Command	StgClgCmd	AV	4	7047	263	ADF	165	29922	Read Only				%				%	
SZ VAV Occupied Cooling Setpoint	SZVAVClgOcc-Sp	AV	4	7048	271	ADF	169	29925	Read/Write	72	45	98	°F		7	36	°C	
SZ VAV Unoccupied Cooling Setpoint	SZVAVClgUnocc-Sp	AV	4	7049	272	ADF	170	29926	Read/Write	85	45	98	°F		7	36	°C	
SZ VAV Operating Cooling Setpoint	OprClgDAT-Sp	AV	4	7050	266	ADF	171	30077	Read Only	70			°F				°C	
Low Ambient Enabled	LowAmb-En	MV	4	7051	429	ADI	140	29928	Read/Write	Yes								No/Yes
VAV Unoccupied Cooling Setpoint	VAVClgUnocc-Sp	AV	4	7052	79	ADF	168	29932	Read/Write	85	46	99	°F		8	37	°C	
SZ VAV Cooling Load	SZVAVClgLd	AV	4	7053	438	ADF	186	29935	Read Only				%				%	

Operational Error Sigma	ClgManualTune	AV	4	7054					Read/Write	1.399999976	1	2.5	delta °F		0.6	1.5	delta °C	
4 Pipe Split Enable	4pipeEna	MV	4	7055					Read/Write									No/Yes
Low Ambient Start	LowAmbStart	MV	4	7056					Read/Write									No/Yes
Alarm Delay	N/A	AV	4	7057					Read/Write		0	1080	hours		0	1080	hours	
Alarm Reporting		MV	4	7058					Read Only									0=Normal/1=Alarm
Cooling Stages Available		AV	4	7059					Read/Write		1	4			1	4		
Cooling Allowed During Heat Limit	CoolDuringHeatLimit	MV	4	7060	845	ADI	193	30071	Read/Write									0=No/1=Yes
VAV Operating Cooling Setpoint	OprSZVAVClg-Sp	AV	4	7061	850	ADF	171	29927	Read Only									
FDD Alarm Enable	FDDAlarmEn	MV	4	7062	267	ADI	196	30076	Read/Write									0=Disable/1=Enable
Modulating Condenser Fan 1 Output	ModCondFan1Out	AV	4	7065	856	AO	293	30079	Read/Write		0	100	%		0	100	%	
Modulating Condenser Fan 2 Output	ModCondFan2Out	AV	4	7066	857	AO	294	30080	Read/Write		0	100	%		0	100	%	
Modulating Compressor Output	ModCompOut	AV	4	7067	858	AO	292	30081	Read/Write		0	100	%		0	100	%	
Circuit 1 OAT Cooling Cutout	Circ1ClgOATCutout	AV	4	7068	859	ADF	442	30082	Read/Write			100	deg F			38	deg C	
Circuit 2 OAT Cooling Cutout	Circ2ClgOATCutout	AV	4	7069	860	ADF	443	30083	Read/Write			100	deg F			38	deg C	
Compressor VFD Alarm	CompVFD-Alarm	MV	4	7075	861	ADI	484	30084	Read/Write				Normal/Alarm					0=Normal/1=Alarm
Saturated Suction Temperature 1	SatSucTemp1	AV	4	7078	862	ADF	374	30085	Read/Write				deg F				deg C	
Saturated Discharge Temperature 1	SatDischTemp1	AV	4	7079	863	ADF	370	30086	Read/Write				deg F				deg C	
Saturated Discharge Temperature 2	SatDischTemp2	AV	4	7080	864	ADF	371	30087	Read/Write				deg F				deg C	
Saturated Suction Temperature 2	SatSucTemp2	AV	4	7081	865	ADF	375	30088	Read/Write				deg F				deg C	
Suction Superheat 1	SucSuperheat1	AV	4	7082	870	ADF	366	30093	Read/Write				deg F				deg C	
Compressor Stage Number	N/A	AV	5	7000					Read Only	1								
Compressor Stage Command 1	C1	MV	5	7001	311	BO	5	29611	Read Only									0=Off/1=On
Compressor Stage 1 Status	C1-S	MV	5	7002	312	BI	14	29615	Read Only									0=Off-Idle / 1=On-Minimum On Time / 2=On-Normal Command / 3=Off-Cooling Is Disabled / 4=Off-OAT Cutout / 5=Off-Low Ambient Temperature / 6=Off-Low Supply Voltage / 7=Off-High Pressure Lockout /8=Off-Low Pressure Lockout /9=Off-Freeze Condition / 10=Off-Anti-Short Cycle Delay/ 11=Off-Cooling Stage Is Disabled
Compressor Stage 1 Enabled	C1-En	MV	5	7003	101	ADI	36	29619	Read/Write	Yes								0=Yes/1=No
Hot Gas Bypass Present	HGP-Inst	MV	5	7004	408	ADI	125	29623	Read/Write	No								No/Yes
Compressor Stage Accumulated Runtime 1	C1RunTim	AV	5	7005	33	ADF	56	29627	Read/Write		0	10000	hours		0	10000	hours	
Compressor Stage Number Times On 1	N/A	AV	5	7006					Read/Write		0	2000000			0	2000000		
Min On Time Remaining 1	C1OnTmr	AV	5	7007	162	ADI	37	29631	Read Only	180			seconds				seconds	
Anti-Short Cycle Delay Time Remaining 1	C1ASCDTmr	AV	5	7008	163	ADI	38	29635	Read Only	300			seconds				seconds	
High Pressure Limit 1	HPS1	MV	5	7009	313	BI	15	29639	Read Only									Normal / Alarm
High Pressure Lockout 1	HPS1-LO	MV	5	7010	314	ADI	39	29643	Read Only									Normal / Lockout
Low Pressure Limit 1	LPS1	MV	5	7011	315	BI	16	29647	Read Only									Normal/Alarm
Low Pressure Lockout 1	LPS1-LO	MV	5	7012	316	ADI	40	29651	Read Only									Normal/Lockout
Freeze Condition 1	FS1	MV	5	7013	317	BI	17	29655	Read Only									Normal/Alarm
Freeze Condition Lockout 1	FS1-LO	MV	5	7014	318	ADI	41	29659	Read Only									Normal/Lockout
Evaporator Coil Temp 1	EC1	AV	5	7015	164	AI	5	29663	Read Only				°F				°C	
Condenser Coil Temp 1	CC1	AV	5	7016	165	AI	6	29667	Read Only				°F				°C	
Evaporator Coil Temp Sensor Fault 1	N/A	MV	5	7017					Read Only									Normal/Alarm
Condenser Coil Temp Sensor Fault 1	N/A	MV	5	7018					Read Only									Normal/Alarm
Low Pressure Limit 1	LPS1	MV	5	7019					Read Only									Normal/Alarm
Cooling Circuit Test Status 1	ClgCktTestS-1	MV	6	7000	343	ADI	60	29829	Read Only									Unknown Status/Basic Data Not Available Manual Entry/Basic Data Not Available/Return Wet Bulb Temp Not Available/Return Air Temp And Humidity Not Available/Return Air Temp Not Available/Basic Data Not Available/Basic Data Not Available/Unit is Off/Ambient Temp Out Of Range/Return Air Wet-Bulb Temp Out Of Range/Ambient And Return Air Wet-Bulb Temp Out Of Range/Ambient Temp Too Low/Ambient Temp Too High/Return Air Wet-Bulb Temp Too Low/Return Air Wet-Bulb Temp Too High/Invalid Discharge Pressure or Ambient/Invalid Liquid Temp Greater Than Condensing Temp/Invalid Suction Temp or Suction Pressure/Invalid Suction Pressure or Ambient/Invalid Liquid Temp or Ambient/Invalid Suction Pressure or Return Air Temp/Invalid Liquid Temp or Return Air Temp/Invalid Liquid Pressure or Ambient/Invalid Suction Temp or Ambient/Invalid Return Air Temp or Supply Air Temp/Invalid Supply Air Temp or Suction Pressure/Invalid Return Air Dry-Bulb or Return Air Wet-Bulb/Invalid Supply Air or Supply Air Wet-Bulb/Invalid Return Air Wet-Bulb or Supply Air Wet-Bulb/Invalid Liquid Pressure and Suction Pressure/Invalid Suction Temp/Invalid Liquid Temp And Suction Temp/Unfavorable Test Condition Retest At Another Time/Refrigerant Flow Restriction/Excessive Refrigerant Flow/Inefficient Compressor/Non-Condensables/Flow Restriction Caused By Non-Condensables/High Side Heat Transfer Problem/High Side Heat Transfer Problem/High Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Reduce Evaporator Airflow/Add Charge/Add Charge/Add Charge/Add Charge/Refrigerant Flow Restriction/Recover Charge/Recover Charge/Recover Charge/Add Charge/Add Charge/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Recover Charge/Recover Charge/Recover Charge/Refrigerant flow restriction/Excessive Refrigerant Flow/Low Side Heat Transfer Problem/Safe And Reasonable Performance/Return Air Dry-Bulb Temp Too Low/Return Air Dry-Bulb Temp Too High/Unit Energy Efficiency Ratio Too Low/Unit Energy Efficiency Ratio Too High/Unit EI below 75% expected performance/Unit CI below 75% expected performance/Unit EI & CI below 75% expected performance/FDD Sensor Unreliable/Driving Conditions Unreliable/Equipment Info Unreliable/Initialized Awaiting Steady State/Heat Pump Active Diagnostics Not Available
Suction Pressure 1	SLP-1	AV	6	7001	178	AI	13	29671	Read Only				psi				kPa	
Liquid Pressure 1	LLP-1	AV	6	7002	179	AI	14	29675	Read Only				psi				kPa	
Suction Temperature 1	SLT-1	AV	6	7003	180	AI	15	29679	Read Only				°F				°C	
Liquid Temperature 1	LLT-1	AV	6	7004	181	AI	16	29683	Read Only				°F				°C	
Superheat 1	C1-SuperHeat	AV	6	7005	182	ADF	60	29687	Read Only				°F				°C	
Subcooling 1	C1-SubCool	AV	6	7006	183	ADF	61	29691	Read Only				°F				°C	
Condensing Temperature over Ambient 1	C1-CondTempOvrAmb	AV	6	7007	184	ADF	62	29695	Read Only				°F				°C	
Efficiency Index 1	C1-EI	AV	6	7008	185	ADF	63	29699	Read Only				%				%	
Capacity Index 1	C1-CI	AV	6	7009	186	ADF	64	29703	Read Only				%				%	
Suction Pressure Sensor Fault 1	N/A	MV	6	7010					Read Only									Normal/Alarm
Suction Temperature Sensor Fault 1	N/A	MV	6	7011					Read Only									Normal/Alarm
Liquid Pressure Sensor Fault 1	N/A	MV	6	7012					Read Only									Normal/Alarm
Liquid Temperature Sensor Fault 1	N/A	MV	6	7013					Read Only									Normal/Alarm

Evaporating Temp Value 1	C1-EvapTempValue	AV	6	7014	187	ADF	65	29833	Read Only				°F				°C	
Condenser Temperature Over Ambient High 1	C1-CondTempOAHigh	AV	6	7015	188	ADF	66	29849	Read Only				°F				°C	
Condenser Temperature Over Ambient Low 1	C1-CondTempOALow	AV	6	7016	189	ADF	67	29853	Read Only				°F				°C	
Superheat High 1	C1-SuperheatHigh	AV	6	7017	190	ADF	68	29857	Read Only				°F				°C	
Superheat Low 1	C1-SuperheatLow	AV	6	7018	191	ADF	69	29861	Read Only				°F				°C	
Subcool High 1	C1-SubcoolHigh	AV	6	7019	192	ADF	70	29865	Read Only				°F				°C	
Subcool Low 1	C1-SubcoolLow	AV	6	7020	193	ADF	71	29869	Read Only				°F				°C	
Evaporating Temperature High 1	C1-EvapTempHigh	AV	6	7021	194	ADF	72	29873	Read Only				°F				°C	
Evaporating Temperature Low 1	C1-EvapTempLow	AV	6	7022	195	ADF	73	29877	Read Only				°F				°C	
Service Alarm	N/A	MV	6	7023					Read Only									0=None/1=Chiller 1 Interlock Alarm/2=Chiller 2 Interlock Alarm/3=Chiller 3 Interlock Alarm
Discharge Line Pressure	DLP1	AV	6	7024	866	AI	378	30089	Read Only				psi				kpa	
Discharge Line temperature	DLT1	AV	6	7025	867	AI	380	30090	Read Only				deg F				deg C	
Compressor Stage Number	N/A	AV	7	7000					Read Only	2								
Compressor Stage Command 2	C2	MV	7	7001	319	BO	6	29612	Read Only									Off/On
Compressor Stage 2 Status	C2-S	MV	7	7002	320	BI	18	29616	Read Only									0=Off-Idle/1=On-Minimum On Time/2=On-Normal Command/3=Off-Cooling Is Disabled/4=Off-OAT Cutout/5=Off-Low Ambient Temperature/6=Off-Low Supply Voltage/7=Off-High Pressure Lockout/8=Off-Low Pressure Lockout/9=Off-Freeze COndition/10=Off-Anti-Short Cycle Delay/11=Off-Cooling Stage Is Disabled
Compressor Stage 2 Enabled	C2-En	MV	7	7003	102	ADI	42	29620	Read/Write	Yes								0=Yes/1=No
Hot Gas Bypass Present	N/A	MV	7	7004					Read/Write									No/Yes
Compressor Stage Accumulated Runtime 2	C2RunTim	AV	7	7005	34	ADF	57	29628	Read/Write		0	10000	hours		0	10000	hours	
Compressor Stage Number Times On 2	N/A	AV	7	7006					Read/Write		0	2000000			0	2000000		
Min On Time Remaining 2	C2OnTmr	AV	7	7007	166	ADI	43	29632	Read Only	180			seconds				seconds	
Anti-Short Cycle Delay Time Remaining 2	C2ASCDTmr	AV	7	7008	167	ADI	44	29636	Read Only	300			seconds				seconds	
High Pressure Limit 2	HPS2	MV	7	7009	321	BI	19	29640	Read Only									0=Normal/1=Alarm
High Pressure Lockout 2	HPS2-LO	MV	7	7010	322	ADI	45	29644	Read Only									Normal/Lockout
Low Pressure Limit 2	LPS2	MV	7	7011	323	BI	20	29648	Read Only									Normal/Alarm
Low Pressure Lockout 2	LPS2-LO	MV	7	7012	324	ADI	46	29652	Read Only									Normal/Lockout
Freeze Condition 2	FS2	MV	7	7013	325	BI	21	29656	Read Only									Normal/Alarm
Freeze Condition Lockout 2	FS2-LO	MV	7	7014	326	ADI	47	29660	Read Only									Normal/Lockout
Evaporator Coil Temp 2	EC2	AV	7	7015	168	AI	7	29664	Read Only				°F				°C	
Condenser Coil Temp 2	CC2	AV	7	7016	169	AI	8	29668	Read Only				°F				°C	
Evaporator Coil Temp Sensor Fault 2	N/A	MV	7	7017					Read Only									Normal/Alarm
Condenser Coil Temp Sensor Fault 2	N/A	MV	7	7018					Read Only									Normal/Alarm
Low Pressure Limit 2	LPS2	MV	7	7019					Read Only									Normal/Alarm
Cooling Circuit Test Status 2	ClgCktTestS-2	MV	8	7000	344	ADI	61	29830	Read Only									Unknown Status/Basic Data Not Available Manual Entry/Basic Data Not Available/Return Wet Bulb Temp Not Available/Return Air Temp And Humidity Not Available/Return Air Temp Not Available/Basic Data Not Available/Basic Data Not Available/Unit is Off/Ambient Temp Out Of Range/Return Air Wet-Bulb Temp Out Of Range/Ambient And Return Air Wet-Bulb Temp Out Of Range/Ambient Temp Too Low/Ambient Temp Too High/Return Air Wet-Bulb Temp Too Low/Return Air Wet-Bulb Temp Too High/Invalid Discharge Pressure or Ambient/Invalid Liquid Temp Greater Than Condensing Temp/Invalid Suction Temp or Suction Pressure/Invalid Suction Pressure or Ambient/Invalid Liquid Temp or Ambient/Invalid Suction Pressure or Return Air Temp/Invalid Liquid Temp or Return Air Temp/Invalid Liquid Pressure or Ambient/Invalid Suction Temp or Ambient/Invalid Return Air Temp or Supply Air Temp/Invalid Supply Air Temp or Suction Pressure/Invalid Return Air Dry-Bulb or Return Air Wet-Bulb/Invalid Supply Air or Supply Air Wet-Bulb/Invalid Return Air Wet-Bulb or Supply Air Wet-Bulb/Invalid Liquid Pressure and Suction Pressure/Invalid Suction Temp/Invalid Liquid Temp And Suction Temp/Unfavorable Test Condition Retest At Another Time/Refrigerant Flow Restriction/Excessive Refrigerant Flow/Inefficient Compressor/Non-Condensables/Flow Restriction Caused By Non-Condensables/High Side Heat Transfer Problem/High Side Heat Transfer Problem/High Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Reduce Evaporator Airflow/Add Charge/Add Charge/Add Charge/Add Charge/Refrigerant Flow Restriction/Recover Charge/Recover Charge/Recover Charge/Add Charge/Add Charge/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Recover Charge/Recover Charge/Recover Charge/Refrigerant flow restriction/Excessive Refrigerant Flow/Low Side Heat Transfer Problem/Safe And Reasonable Performance/Return Air Dry-Bulb Temp Too Low/Return Air Dry-Bulb Temp Too High/Unit Energy Efficiency Ratio Too Low/Unit Energy Efficiency Ratio Too High/Unit EI below 75% expected performance/Unit CI below 75% expected performance/Unit EI & CI below 75% expected performance/FDD Sensor Unreliable/Driving Conditions Unreliable/Equipment Info Unreliable/Initialized Awaiting Steady State/Heat Pump Active Diagnostics Not Available
Suction Pressure 2	SLP-2	AV	8	7001	196	AI	17	29672	Read Only				psi				kPa	
Liquid Pressure 2	LLP-2	AV	8	7002	197	AI	18	29676	Read Only				psi				kPa	
Suction Temperature 2	SLT-2	AV	8	7003	198	AI	19	29680	Read Only				°F				°C	
Liquid Temperature 2	LLT-2	AV	8	7004	199	AI	20	29684	Read Only				°F				°C	
Superheat 2	C2-SuperHeat	AV	8	7005	200	ADF	74	29688	Read Only				°F				°C	
Subcooling 2	C2-SubCool	AV	8	7006	201	ADF	75	29692	Read Only				°F				°C	
Condensing Temperature over Ambient 2	C2-CondTempOvrAmb	AV	8	7007	202	ADF	76	29696	Read Only				°F				°C	
Efficiency Index 2	C2-EI	AV	8	7008	203	ADF	77	29700	Read Only				%				%	
Capacity Index 2	C2-CI	AV	8	7009	204	ADF	78	29704	Read Only				%				%	
Suction Pressure Sensor Fault 2	N/A	MV	8	7010					Read Only									Normal/Alarm
Suction Temperature Sensor Fault 2	N/A	MV	8	7011					Read Only									Normal/Alarm
Liquid Pressure Sensor Fault 2	N/A	MV	8	7012					Read Only									Normal/Alarm
Liquid Temperature Sensor Fault 2	N/A	MV	8	7013					Read Only									Normal/Alarm
Evaporating Temp Value 2	C2-EvapTempValue	AV	8	7014	205	ADF	79	29834	Read Only				°F				°C	
Condenser Temperature Over Ambient High 2	C2-CondTempOAHigh	AV	8	7015	206	ADF	80	29850	Read Only				°F				°C	
Condenser Temperature Over Ambient Low 2	C2-CondTempOALow	AV	8	7016	207	ADF	81	29854	Read Only				°F				°C	
Superheat High 2	C2-SuperheatHigh	AV	8	7017	208	ADF	82	29858	Read Only				°F				°C	
Superheat Low 2	C2-SuperheatLow	AV	8	7018	209	ADF	83	29862	Read Only				°F				°C	
Subcool High 2	C2-SubcoolHigh	AV	8	7019	210	ADF	84	29866	Read Only				°F				°C	
Subcool Low 2	C2-SubcoolLow	AV	8	7020	211	ADF	85	29870	Read Only				°F				°C	
Evaporating Temperature High 2	C2-EvapTempHigh	AV	8	7021	212	ADF	86	29874	Read Only				°F				°C	

Evaporating Temperature Low 2	C2-EvapTempLow	AV	8	7022	213	ADF	87	29878	Read Only				°F				°C	
Service Alarm	N/A	MV	8	7023					Read Only									0=None/1=Chiller 1 Interlock Alarm/2=Chiller 2 Interlock Alarm/3=Chiller 3 Interlock Alarm
Discharge Line Pressure	DLP2	AV	8	7024	868	AI	379	30091	Read Only				psi				kpa	
Discharge Line Temperature	DLT2	AV	8	7025	869	AI	381	30092	Read Only				deg F				deg C	
Compressor Stage Number	N/A	AV	9	7000					Read Only	3								
Compressor Stage Command 3	C3	MV	9	7001	327	BO	7	29613	Read Only									Off/On
Compressor Stage 3 Status	C3-S	MV	9	7002	328	BI	22	29617	Read Only									0=Off-Idle/1=On-Minimum On Time/2=On-Normal Command/3=Off-Cooling Is Disabled/4=Off-OAT Cutout/5=Off-Low Ambient Temperature/6=Off-Low Supply Voltage/7=Off-High Pressure Lockout/8=Off-Low Pressure Lockout/9=Off-Freeze COndition/10=Off-Anti-Short Cycle Delay/11=Off-Cooling Stage Is Disabled
Compressor Stage 3 Enabled	C3-En	MV	9	7003	103	ADI	48	29621	Read/Write	Yes								0=Yes/1=No
Hot Gas Bypass Present	N/A	MV	9	7004					Read/Write									No/Yes
Compressor Stage Accumulated Runtime 3	C3RunTim	AV	9	7005	35	ADF	58	29629	Read/Write		0	10000	hours		0	10000	hours	
Compressor Stage Number Times On 3	N/A	AV	9	7006					Read/Write		0	2000000			0	2000000		
Min On Time Remaining 3	C3OnTmr	AV	9	7007	170	ADI	49	29633	Read Only	180			seconds				seconds	
Anti-Short Cycle Delay Time Remaining 3	C3ASCDTmr	AV	9	7008	171	ADI	50	29637	Read Only	300			seconds				seconds	
High Pressure Limit 3	HPS3	MV	9	7009	329	BI	23	29641	Read Only									Normal/Alarm
High Pressure Lockout 3	HPS3-LO	MV	9	7010	330	ADI	51	29645	Read Only									Normal/Lockout
Low Pressure Limit 3	LPS3	MV	9	7011	331	BI	24	29649	Read Only									Normal/Alarm
Low Pressure Lockout 3	LPS3-LO	MV	9	7012	332	ADI	52	29653	Read Only									Normal/Lockout
Freeze Condition 3	FS3	MV	9	7013	333	BI	25	29657	Read Only									Normal/Alarm
Freeze Condition Lockout 3	FS3-LO	MV	9	7014	334	ADI	53	29661	Read Only									Normal/Lockout
Evaporator Coil Temp 3	EC3	AV	9	7015	172	AI	9	29665	Read Only				°F				°C	
Condenser Coil Temp 3	CC3	AV	9	7016	173	AI	10	29669	Read Only				°F				°C	
Evaporator Coil Temp Sensor Fault 3	N/A	MV	9	7017					Read Only									Normal/Alarm
Condenser Coil Temp Sensor Fault 3	N/A	MV	9	7018					Read Only									Normal/Alarm
Low Pressure Limit 3	LPS3	MV	9	7019					Read Only									Normal/Alarm
Cooling Circuit Test Status 3	ClgCktTestS-3	MV	10	7000	345	ADI	62	29831	Read Only									Unknown Status/Basic Data Not Available Manual Entry/Basic Data Not Available/Return Wet Bulb Temp Not Available/Return Air Temp And Humidity Not Available/Return Air Temp Not Available/Basic Data Not Available/Basic Data Not Available/Unit is Off/Ambient Temp Out Of Range/Return Air Wet-Bulb Temp Out Of Range/Ambient And Return Air Wet-Bulb Temp Out Of Range/Ambient Temp Too Low/Ambient Temp Too High/Return Air Wet-Bulb Temp Too Low/Return Air Wet-Bulb Temp Too High/Invalid Discharge Pressure or Ambient/Invalid Liquid Temp Greater Than Condensing Temp/Invalid Suction Temp or Suction Pressure/Invalid Suction Pressure or Ambient/Invalid Liquid Temp or Ambient/Invalid Suction Pressure or Return Air Temp/Invalid Liquid Temp or Return Air Temp/Invalid Liquid Pressure or Ambient/Invalid Suction Temp or Ambient/Invalid Return Air Temp or Supply Air Temp/Invalid Supply Air Temp or Suction Pressure/Invalid Return Air Dry-Bulb or Return Air Wet-Bulb/Invalid Supply Air or Supply Air Wet-Bulb/Invalid Return Air Wet-Bulb or Supply Air Wet-Bulb/Invalid Liquid Pressure and Suction Pressure/Invalid Suction Temp/Invalid Liquid Temp And Suction Temp/Unfavorable Test Condition Retest At Another Time/Refrigerant Flow Restriction/Excessive Refrigerant Flow/Inefficient Compressor/Non-Condensables/Flow Restriction Caused By Non-Condensables/High Side Heat Transfer Problem/High Side Heat Transfer Problem/High Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Reduce Evaporator Airflow/Add Charge/Add Charge/Add Charge/Add Charge/Refrigerant Flow Restriction/Recover Charge/Recover Charge/Recover Charge/Add Charge/Add Charge/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Recover Charge/Recover Charge/Recover Charge/Refrigerant flow restriction/Excessive Refrigerant Flow/Low Side Heat Transfer Problem/Safe And Reasonable Performance/Return Air Dry-Bulb Temp Too Low/Return Air Dry-Bulb Temp Too High/Unit Energy Efficiency Ratio Too Low/Unit Energy Efficiency Ratio Too High/Unit EI below 75% expected performance/Unit CI below 75% expected performance/Unit EI & CI below 75% expected performance/FDD Sensor Unreliable/Driving Conditions Unreliable/Equipment Info Unreliable/Initialized Awaiting Steady State/Heat Pump Active Diagnostics Not Available
Suction Pressure 3	SLP-3	AV	10	7001	214	AI	21	29673	Read Only				psi				kPa	
Liquid Pressure 3	LLP-3	AV	10	7002	215	AI	22	29677	Read Only				psi				kPa	
Suction Temperature 3	SLT-3	AV	10	7003	216	AI	23	29681	Read Only				°F				°C	
Liquid Temperature 3	LLT-3	AV	10	7004	217	AI	24	29685	Read Only				°F				°C	
Superheat 3	C3-SuperHeat	AV	10	7005	218	ADF	88	29689	Read Only				°F				°C	
Subcooling 3	C3-SubCool	AV	10	7006	219	ADF	89	29693	Read Only				°F				°C	
Condensing Temperature over Ambient 3	C3-CondTempOvrAmb	AV	10	7007	220	ADF	90	29697	Read Only				°F				°C	
Efficiency Index 3	C3-EI	AV	10	7008	221	ADF	91	29701	Read Only				%				%	
Capacity Index 3	C3-CI	AV	10	7009	222	ADF	92	29705	Read Only				%				%	
Suction Pressure Sensor Fault 3	N/A	MV	10	7010					Read Only									Normal/Alarm
Suction Temperature Sensor Fault 3	N/A	MV	10	7011					Read Only									Normal/Alarm
Liquid Pressure Sensor Fault 3	N/A	MV	10	7012					Read Only									Normal/Alarm
Liquid Temperature Sensor Fault 3	N/A	MV	10	7013					Read Only									Normal/Alarm
Evaporating Temp Value 3	C3-EvapTempValue	AV	10	7014	223	ADF	93	29835	Read Only				°F				°C	
Condenser Temperature Over Ambient High 3	C3-CondTempOAHigh	AV	10	7015	224	ADF	94	29851	Read Only				°F				°C	
Condenser Temperature Over Ambient Low 3	C3-CondTempOALow	AV	10	7016	225	ADF	95	29855	Read Only				°F				°C	
Superheat High 3	C3-SuperheatHigh	AV	10	7017	226	ADF	96	29859	Read Only				°F				°C	
Superheat Low 3	C3-SuperheatLow	AV	10	7018	227	ADF	97	29863	Read Only				°F				°C	
Subcool High 3	C3-SubcoolHigh	AV	10	7019	228	ADF	98	29867	Read Only				°F				°C	
Subcool Low 3	C3-SubcoolLow	AV	10	7020	229	ADF	99	29871	Read Only				°F				°C	
Evaporating Temperature High 3	C3-EvapTempHigh	AV	10	7021	230	ADF	100	29875	Read Only				°F				°C	
Evaporating Temperature Low 3	C3-EvapTempLow	AV	10	7022	231	ADF	101	29879	Read Only				°F				°C	
Service Alarm 3	N/A	MV	10	7023					Read Only									0=None/1=Chiller 1 Interlock Alarm/2=Chiller 2 Interlock Alarm/3=Chiller 3 Interlock Alarm
Compressor Stage Number	N/A	AV	11	7000					Read Only	4								
Compressor Stage Command 4	C4	MV	11	7001	335	BO	8	29614	Read Only									Off/On
Compressor Stage 4 Status	C4-S	MV	11	7002	336	BI	26	29618	Read Only									0=Off-Idle/1=On-Minimum On Time/2=On-Normal Command/3=Off-Cooling Is Disabled/4=Off-OAT Cutout/5=Off-Low Ambient Temperature/6=Off-Low Supply Voltage/7=Off-High Pressure Lockout/8=Off-Low Pressure Lockout/9=Off-Freeze COndition/10=Off-Anti-Short Cycle Delay/11=Off-Cooling Stage Is Disabled
Compressor Stage 4 Enabled	C4-En	MV	11	7003	104	ADI	54	29622	Read/Write	Yes								0=Yes/1=No

Hot Gas Bypass Present	N/A	MV	11	7004					Read/Write									No/Yes
Compressor Stage Accumulated Runtime 4	C4RunTim	AV	11	7005	36	ADF	59	29630	Read/Write		0	10000	hours		0	10000	hours	
Compressor Stage Number Times On 4	N/A	AV	11	7006					Read/Write		0	2000000			0	2000000		
Min On Time Remaining 4	C4OnTmr	AV	11	7007	174	ADI	55	29634	Read Only	180			seconds				seconds	
Anti-Short Cycle Delay Time Remaining 4	C4ASCDTmr	AV	11	7008	175	ADI	56	29638	Read Only	300			seconds				seconds	
High Pressure Limit 4	HPS4	MV	11	7009	337	BI	27	29642	Read Only									Normal/Alarm
High Pressure Lockout 4	HPS4-LO	MV	11	7010	338	ADI	57	29646	Read Only									Normal/Lockout
Low Pressure Limit 4	LPS4	MV	11	7011	339	BI	28	29650	Read Only									Normal/Alarm
Low Pressure Lockout 4	LPS4-LO	MV	11	7012	340	ADI	58	29654	Read Only									Normal/Lockout
Freeze Condition 4	FS4	MV	11	7013	341	BI	29	29658	Read Only									Normal/Alarm
Freeze Condition Lockout 4	FS4-LO	MV	11	7014	342	ADI	59	29662	Read Only									Normal/Lockout
Evaporator Coil Temp 4	EC4	AV	11	7015	176	AI	11	29666	Read Only				°F				°C	
Condenser Coil Temp 4	CC4	AV	11	7016	177	AI	12	29670	Read Only				°F				°C	
Evaporator Coil Temp Sensor Fault 4	N/A	MV	11	7017					Read Only									Normal/Alarm
Condenser Coil Temp Sensor Fault 4	N/A	MV	11	7018					Read Only									Normal/Alarm
Low Pressure Limit 4	LPS4	MV	11	7019					Read Only									Normal/Alarm
Cooling Circuit Test Status 4	ClgCktTestS-4	MV	12	7000	346	ADI	63	29832	Read Only									Unknown Status/Basic Data Not Available Manual Entry/Basic Data Not Available/Return Wet Bulb Temp Not Available/Return Air Temp And Humidity Not Available/Return Air Temp Not Available/Basic Data Not Available/Basic Data Not Available/Unit is Off/Ambient Temp Out Of Range/Return Air Wet-Bulb Temp Out Of Range/Ambient And Return Air Wet-Bulb Temp Out Of Range/Ambient Temp Too Low/Ambient Temp Too High/Return Air Wet-Bulb Temp Too Low/Return Air Wet-Bulb Temp Too High/Invalid Discharge Pressure or Ambient/Invalid Liquid Temp Greater Than Condensing Temp/Invalid Suction Temp or Suction Pressure/Invalid Suction Pressure or Ambient/Invalid Liquid Temp or Ambient/Invalid Suction Pressure or Return Air Temp/Invalid Liquid Temp or Return Air Temp/Invalid Liquid Pressure or Ambient/Invalid Suction Temp or Ambient/Invalid Return Air Temp or Supply Air Temp/Invalid Supply Air Temp or Suction Pressure/Invalid Return Air Dry-Bulb or Return Air Wet-Bulb/Invalid Supply Air or Supply Air Wet-Bulb/Invalid Return Air Wet-Bulb or Supply Air Wet-Bulb/Invalid Liquid Pressure and Suction Pressure/Invalid Suction Temp/Invalid Liquid Temp And Suction Temp/Unfavorable Test Condition Retest At Another Time/Refrigerant Flow Restriction/Excessive Refrigerant Flow/Inefficient Compressor/Non-Condensables/Flow Restriction Caused By Non-Condensables/High Side Heat Transfer Problem/High Side Heat Transfer Problem/High Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Reduce Evaporator Airflow/Add Charge/Add Charge/Add Charge/Add Charge/Refrigerant Flow Restriction/Recover Charge/Recover Charge/Recover Charge/Add Charge/Add Charge/Low Side Heat Transfer Problem/Low Side Heat Transfer Problem/Recover Charge/Recover Charge/Recover Charge/Refrigerant flow restriction/Excessive Refrigerant Flow/Low Side Heat Transfer Problem/Safe And Reasonable Performance/Return Air Dry-Bulb Temp Too Low/Return Air Dry-Bulb Temp Too High/Unit Energy Efficiency Ratio Too Low/Unit Energy Efficiency Ratio Too High/Unit EI below 75% expected performance/Unit CI below 75% expected performance/Unit EI & CI below 75% expected performance/FDD Sensor Unreliable/Driving Conditions Unreliable/Equipment Info Unreliable/Initialized Awaiting Steady State/Heat Pump Active Diagnostics Not Available
Suction Pressure 4	SLP-4	AV	12	7001	232	AI	25	29674	Read Only				psi				kPa	
Liquid Pressure 4	LLP-4	AV	12	7002	233	AI	26	29678	Read Only				psi				kPa	
Suction Temperature 4	SLT-4	AV	12	7003	234	AI	27	29682	Read Only				°F				°C	
Liquid Temperature 4	LLT-4	AV	12	7004	235	AI	28	29686	Read Only				°F				°C	
Superheat 4	C4-SuperHeat	AV	12	7005	236	ADF	102	29690	Read Only				°F				°C	
Subcooling 4	C4-SubCool	AV	12	7006	237	ADF	103	29694	Read Only				°F				°C	
Condensing Temperature over Ambient 4	C4-CondTempOvrAmb	AV	12	7007	238	ADF	104	29698	Read Only				°F				°C	
Efficiency Index 4	C4-EI	AV	12	7008	239	ADF	105	29702	Read Only				%				%	
Capacity Index 4	C4-CI	AV	12	7009	240	ADF	106	29706	Read Only				%				%	
Suction Pressure Sensor Fault 4	N/A	MV	12	7010					Read Only									Normal/Alarm
Suction Temperature Sensor Fault 4	N/A	MV	12	7011					Read Only									Normal/Alarm
Liquid Pressure Sensor Fault 4	N/A	MV	12	7012					Read Only									Normal/Alarm
Liquid Temperature Sensor Fault 4	N/A	MV	12	7013					Read Only									Normal/Alarm
Evaporating Temp Value 4	C4-EvapTempValue	AV	12	7014	241	ADF	107	29836	Read Only				°F				°C	
Condenser Temperature Over Ambient High 4	C4-CondTempOAHigh	AV	12	7015	242	ADF	108	29852	Read Only				°F				°C	
Condenser Temperature Over Ambient Low 4	C4-CondTempOALow	AV	12	7016	243	ADF	109	29856	Read Only				°F				°C	
Superheat High 4	C4-SuperheatHigh	AV	12	7017	244	ADF	110	29860	Read Only				°F				°C	
Superheat Low 4	C4-SuperheatLow	AV	12	7018	245	ADF	111	29864	Read Only				°F				°C	
Subcool High 4	C4-SubcoolHigh	AV	12	7019	246	ADF	112	29868	Read Only				°F				°C	
Subcool Low 4	C4-SubcoolLow	AV	12	7020	247	ADF	113	29872	Read Only				°F				°C	
Evaporating Temperature High 4	C4-EvapTempHigh	AV	12	7021	248	ADF	114	29876	Read Only				°F				°C	
Evaporating Temperature Low 4	C4-EvapTempLow	AV	12	7022	249	ADF	115	29880	Read Only				°F				°C	
Service Alarm 4	N/A	MV	12	7023					Read Only									0=None/1=Chiller 1 Interlock Alarm/2=Chiller 2 Interlock Alarm/3=Chiller 3 Interlock Alarm
Heating Mode Enabled For Operation	Htg-En	MV	13	7000	105	ADI	64	29707	Read/Write	Yes								No/Yes
Heating Status	Htg-S	MV	13	7001	347	ADI	65	29708	Read Only									0=Off-Idle/1=On-Defrost/2=SAT Tempering/3=Morning Warmup/4=Thermostat Heating/5=Unoccupied Heating/6=Occupied Heating/7=Off-Disabled/8=Off-OAT Lockout/9=Off-SAT Limit/10=Off-Waiting For Changeover Delay/11=Comfort Ventilation
SAT Air Temp Limit for Heating Enabled	SATHtgLimit-En	MV	13	7002	106	ADI	66	29709	Read/Write	Yes								No/Yes
SAT Air Temp Limit For Heating Setpoint	SATHtgLimit-Sp	AV	13	7003	37	ADF	116	29710	Read/Write	140	100	180	°F		38	82	°C	
Outdoor Air Temp Heating Cutout Setpoint	HtgOATCutout-Sp	AV	13	7004	38	ADF	117	29711	Read/Write	75	0	100	°F		-18	38	°C	
Hot Water Freeze Stat	FSHW	MV	13	7005	348	ADI	67	29712	Read Only									Normal/Alarm
Gas Valve1 Input	MV	MV	13	7006	349	BI	30	29713	Read Only									Off/On
Gas Valve2 Input	GV2	MV	13	7007	350	BI	31	29714	Read Only									Off/On
Gas Valve3 Input	GV3	MV	13	7008	351	BI	32	29715	Read Only									Off/On
Heat Limit1 Switch	Limit	MV	13	7009	352	BI	33	29716	Read Only									Normal/Alarm
Heat Limit1 Switch Lockout	LimitLO	MV	13	7010	353	ADI	68	29717	Read Only	Normal								Normal/Lockout
Heat Limit2 Switch	Lim2	MV	13	7011	354	BI	34	29718	Read Only									Normal/Alarm
Heat Limit2 Switch Lockout	Lim2LO	MV	13	7012	355	ADI	69	29719	Read Only	Normal								Normal/Lockout
Heat Limit3 Switch	Lim3	MV	13	7013	356	BI	35	29720	Read Only									Normal/Alarm

Heat Limit3 Switch Lockout	Lim3LO	MV	13	7014	357	ADI	70	29721	Read Only	Normal								Normal/Lockout
VAV Occupied Heating Enabled	HtgOcc-En	MV	13	7015	107	ADI	71	29722	Read/Write	Yes								No/Yes
VAV Occupied Heating Setpoint	VAVHtgOcc-SP	AV	13	7016	39	ADF	118	29723	Read/Write	68	40	85	°F		4	30	°C	
Unoccupied Heating Enabled	HtgUnocc-En	MV	13	7017	108	ADI	72	29724	Read/Write	Yes								No/Yes
VAV Unoccupied Heating Setpoint	VAVHtgUnocc-Sp	AV	13	7018	40	ADF	119	29725	Read/Write	60	45	98	°F		7	36	°C	
VAV Operating Heating Setpoint	VAVOprHtg-Sp	AV	13	7019	250	ADF	120	29726	Read Only	68			°F				°C	
Morning Warmup Enabled	MornW-En	MV	13	7020	109	ADI	73	29822	Read/Write									No/Yes
Morning Warmup/Return Air Temp Setpoint	MornWRAT-Sp	AV	13	7021	41	ADF	121	29823	Read/Write	70	50	85	°F		10	30	°C	
VAV Box Heat Command	VAV Box	MV	13	7022	358	BO	9	29727	Read Only									Off/On
CV Occupied Heating Setpoint	CVHtgOcc-SP	AV	13	7023	42	ADF	122	29728	Read/Write	68	46	99	°F		8	37	°C	
CV Unoccupied Heating Setpoint	CVHtgUnocc-Sp	AV	13	7024	43	ADF	123	29729	Read/Write	60	45	98	°F		7	36	°C	
CV Operating Heating Setpoint	CVOprHtg-Sp	AV	13	7025	251	ADF	124	29730	Read Only	68			°F				°C	
Main Valve No Proof Fault	N/A	MV	13	7026					Read Only									Normal/Alarm
Gas Valve 2 No Proof Fault	N/A	MV	13	7027					Read Only									Normal/Alarm
Gas Valve 3 No Proof Fault	N/A	MV	13	7028					Read Only									Normal/Alarm
Main Valve On When Shouldn't Fault	N/A	MV	13	7029					Read Only									Normal/Alarm
Gas Valve 2 On When Shouldn't Fault	N/A	MV	13	7030					Read Only									Normal/Alarm
Gas Valve 3 On When Shouldn't Fault	N/A	MV	13	7031					Read Only									Normal/Alarm
Heating Lockout due to High Outdoor Air Temp	N/A	MV	13	7032					Read Only									Normal/Alarm
Excessive Supply Air Heating Fault	N/A	MV	13	7033					Read Only									0=Normal/1=Drop Stage/2=Wait/3=SAT Unreliable
Morning Cooldown Enabled	MornC-En	MV	13	7034	110	ADI	74	29891	Read/Write									No/Yes
Morning Cooldown/Return Air Temp Setpoint	MornCRAT-Sp	AV	13	7035	44	ADF	125	29892	Read/Write	74	50	85	°F		10	30	°C	
Optimal Start Enabled	OptStrt-En	MV	13	7036	111	ADI	75	29893	Read/Write									No/Yes
Occupancy BI Enabled	OccBI-En	MV	13	7037	112	ADI	76	29894	Read/Write									No/Yes
Early Start Period	EarlyStrtPeriod	AV	13	7038	45	ADF	126	29895	Read/Write	60	0	120	minutes		0	120	minutes	
Number of Gas Valves Installed	#GasVlvs	AV	13	7039					Read/Write	0	0	3			0	3		
Heating Manual Tuning	HtgManualTune	MV	13	7040					Read/Write									No/Yes
Heating Adaptive Tuning Enable	HtgAdapTunEn	MV	13	7041	114	ADI	78	29881	Read/Write	No								No/Yes
Number of Limit Switches	#LimSwtchs	AV	13	7042	47	ADF	128		Read Only									
DAT Max Heating SP	DATMaxHtgSP	AV	13	7043	75	ADF	161	29905	Read/Write	105	80	110	°F		26.6	43.4	°C	
DAT Satisfied SP	DATSatSP	AV	13	7044	76	ADF	162	29906	Read/Write	70	65	75	°F		18.3	23.9	°C	
Staged Heating Command	StgHtgCmd	AV	13	7045	264	ADF	166	29923	Read Only				%				%	
Proportional Heating Command	PropHtgCmd	AV	13	7046				29924	Read Only				%				%	
SZ VAV Occupied Heating Setpoint	SZVAVHtgOcc-Sp	AV	13	7047	840	ADF	172	29929	Read/Write	68	46	99	°F		8	37	°C	
SZ VAV Unoccupied Heating Setpoint	SZVAVHtgUnocc-Sp	AV	13	7048	841	ADF	173	29930	Read/Write	60	45	98	°F		7	36	°C	
SZ VAV Operating Heating Setpoint	OprSZVAVHtg-Sp	AV	13	7049	842	ADF	174	29931	Read Only	68			°F				°C	
SZ VAV Heating Load	SZVAVHtgLd	AV	13	7050	437	ADF	187	29936	Read Only				%				%	
Operational Error Sigma	HtgManualTune	AV	13	7051					Read/Write	1.399999976	1	2.5	delta °F		0.6	1.5	delta °C	
Low Limit Enable	LL_Enable	MV	13	7052					Read/Write									Disable/Enable
Low Limit Upper SAT Setpoint	LL_UpSAT_SP	AV	13	7053					Read/Write	80	65	85	°F		18	30	°C	
Low Limit Lower SAT Setpoint	LL_LowSAT_SP	AV	13	7054					Read/Write	65	60	80	°F		15	27	°C	
COBP Occupied Heating Enabled	HtgOcc-En	MV	13	7055					Read/Write	Yes								No/Yes
Number of Heating Stages Installed	#HtgStgs	AV	14	7000	430	ADI	141	29731	Read/Write	0	0	3			0	3		
Heating Stage Command 1	H1	MV	15	7000	359	BO	10	29732	Read Only									Off/On
Heating Stage 1 Status	H1-S	MV	15	7001	360	BI	36	29735	Read Only									0=Off-Idle/1=On-Minimum Runtime Timer/2=On-Normal Command/3=Off-Heating Is Disabled/4=Off-Gas Valve Lost Proof/5=Off-Gas Valve False Proof/6=Off-Heating Limit Lockout/7=Off-Anti-Short Cycle Timer/8=Off-Heating Stage Is Disabled
Heating Stage 1 Min On Time Remaining	H1OnTmr	AV	15	7003					Read Only	180			seconds				seconds	
Heating Stage 1 Anti-Short Cycle Delay Time Remaining	H1ASCDTmr	AV	15	7004					Read Only	300			seconds				seconds	
Heating Stage 1 Accumulated Runtime	H1RunTim	AV	15	7006	48	ADF	129	29738	Read/Write		0	10000	hours		0	10000	hours	
Heat Stage 1 Number of Times On	N/A	AV	15	7007					Read/Write		0	2000000			0	2000000		
Heating Stage Command 2	H2	MV	16	7000	361	BO	11	29733	Read Only									Off/On
Heating Stage 2 Status	H2-S	MV	16	7001	362	BI	37	29736	Read Only									0=Off-Idle/1=On-Minimum Runtime Timer/2=On-Normal Command/3=Off-Heating Is Disabled/4=Off-Gas Valve Lost Proof/5=Off-Gas Valve False Proof/6=Off-Heating Limit Lockout/7=Off-Anti-Short Cycle Timer/8=Off-Heating Stage Is Disabled
Heating Stage 2 Min On Time Remaining	H2OnTmr	AV	16	7003					Read Only	180			seconds				seconds	
Heating Stage 2 Anti-Short Cycle Delay Time Remaining	H2ASCDTmr	AV	16	7004					Read Only	300			seconds				seconds	
Heating Stage 2 Accumulated Runtime	H2RunTim	AV	16	7006	49	ADF	130	29739	Read/Write		0	10000	hours		0	10000	hours	
Heat Stage 2 Number of Times On	N/A	AV	16	7007					Read/Write		0	2000000			0	2000000		
Heating Stage Command 3	H3	MV	17	7000	363	BO	12	29734	Read Only									Off/On
Heating Stage 3 Status	H3-S	MV	17	7001	364	BI	38	29737	Read Only									0=Off-Idle/1=On-Minimum Runtime Timer/2=On-Normal Command/3=Off-Heating Is Disabled/4=Off-Gas Valve Lost Proof/5=Off-Gas Valve False Proof/6=Off-Heating Limit Lockout/7=Off-Anti-Short Cycle Timer/8=Off-Heating Stage Is Disabled
Heating Stage 3 Min On Time Remaining	H3OnTmr	AV	17	7003					Read Only	180			seconds				seconds	
Heating Stage 3 Anti-Short Cycle Delay Time Remaining	H3ASCDTmr	AV	17	7004					Read Only	300			seconds				seconds	
Heating Stage 3 Accumulated Runtime	H3RunTim	AV	17	7006	50	ADF	131	29740	Read/Write		0	10000	hours		0	10000	hours	
Heat Stage 3 Number of Times On	N/A	AV	17	7007					Read/Write		0	2000000			0	2000000		
Hydronic Heat Valve % Command	HWV	AV	18	7000	252	AO	2	29741	Read Only				%				%	
Hydronic Heat Valve Reverse Acting	HydReverse	MV	18	7001	115	ADI	79	29742	Read/Write	No								No/Yes
Hydronic Heating Stage #1 Supply Air Setpoint	HydH1SA-Sp	AV	18	7002	51	ADF	132	29743	Read/Write	120	80	180	°F		27	82	°C	
Hydronic Heating Stage #2 Supply Air Setpoint	HydH2SA-Sp	AV	18	7003	52	ADF	133	29744	Read/Write	150	80	180	°F		27	82	°C	
Hydronic Heat SAT Tempering Enabled	SATTempHydHt-En	MV	18	7004	116	ADI	80	29745	Read/Write	No								No/Yes
Hydronic Heat SAT Tempering Setpoint	SATTempHydHt-Sp	AV	18	7005	53	ADF	134	29746	Read/Write	40	40	60	°F		4	15	°C	
Hydronic Heat On due to Freeze Stat	N/A	MV	18	7006					Read Only									No/Yes
Hot Water Freeze Stat Opened When It Should Not	N/A	MV	18	7007					Read Only									Normal/Alarm
Economizer Enabled For Operation	Econ-En	MV	19	7000	118	ADI	84	29747	Read/Write	Yes								No/Yes
Economizer Damper % Command	Econ	AV	19	7001	253	AO	3	29748	Read Only				%				%	

Econ Free Cooling Available	Econ-Free	MV	19	7002	369	ADI	85	29749	Read Only									No/Yes
Economizer Status	Econ-S	MV	19	7003	370	ADI	86	29750	Read Only									0=Disabled/1=Damper Not Functional/2=Purge/3=Unavailable-Sensor Fault/4=Econ Loading/5=SA-T High Limit/6=Mixed Air Low Limit Cycle/7=Demand Ventilation Air Quality/8=Outdoor Airflow Control/9=Free Cooling is Active/10=Minimum Position/11=Test/12=Comfort Ventilation/13=Low OA Ambient
Free Cooling Current Mode	FreeClg-Mode	MV	19	7004	371	ADI	87	29751	Read Only	Dry Bulb Temperature								0=Dry Bulb Temperature/1=Single Enthalpy/2=Dual Enthalpy/3=Unreliable
Free Cooling Selection	FreeClg-Sel	MV	19	7005	119	ADI	88	29752	Read/Write	Auto								0=Dry Bulb Temperature/1=Differential Dry Bulb/2=Single Enthalpy/3=Dual Enthalpy/4=Auto
Economizer Outdoor Air Temp Enable Setpoint	EconOAT-SpEn	AV	19	7006	55	ADF	136	29753	Read/Write	55	0	80	°F		-17.8	27	°C	
Economizer Outdoor Air Enthalpy Setpoint	EconOAEnth-Sp	AV	19	7007	56	ADF	137	29754	Read/Write	27	10	50	Btu/lb dry air		23	116	J/kg	
Low Ambient Economizer Setpoint	LowAmb-Sp	AV	19	7008	57	ADF	138	29755	Read/Write		0	60	°F		-18	15	°C	
Low Ambient Economizer Minimum Position	LowAmb-MinPos	AV	19	7009	58	ADF	139	29756	Read/Write	10	0	100	%	10	0	100	%	
Economizer Damper Position	EconDampPos	AV	19	7011	254	ADF	141	29824	Read Only				% open				% open	
Mixed Air Temperature	MAT	AV	19	7012	255	AI	29	29760	Read Only				°F				°C	
Supply Air Humidity	SAH	AV	19	7014	256	AI	30	29762	Read Only				%RH				%RH	
Return Air Enthalpy	RA-Enth	AV	19	7015	257	ADF	142	29763	Read Only				Btu/lb dry air				kJ/kg	
Economizer Minimum Position Setpoint	Econ-MinPos	AV	19	7017	77	ADF	163	29759	Read/Write		0	100	%		0	100	%	
Excess Outdoor Air	ExcessOutAirFlt	MV	19	7018	372	ADI	89	29809	Read Only									Normal/Alarm
Not Economizing When Should	NotEconFlt	MV	19	7019	373	ADI	90	29810	Read Only									Normal/Alarm
Damper Not Modulating	EconDampFlt	MV	19	7020	374	ADI	91	29811	Read Only									Normal/Alarm
Economizing When Should Not	EconWhenShouldNotFlt	MV	19	7021	375	ADI	92	29812	Read Only									Normal/Alarm
Mixed Air Temperature Sensor Fault	N/A	MV	19	7022					Read Only									Normal/Alarm
Supply Air Humidity Sensor Fault	N/A	MV	19	7023					Read Only									Normal/Alarm
Economizer Damper Minimum Position Low Speed Fan	LowSpeedFan-MinPos	AV	19	7025	54	ADF	135	29808	Read/Write	15	0	100	%		0	100	%	
Not Economizing - No Supply Air Sensor	N/A	MV	19	7026					Read Only									Normal/Alarm
EconMech Setup	EconMechStp	MV	19	7027	409	ADI	126	29912	Read/Write	Option B								Option A/Option B
Economizer Fault Detection Enable	EconFltDetectEn	MV	19	7028	132	ADI	115	29915	Read/Write									Disable/Enable
FDD Economizer Alarm Delay	EconAlrmDly	AV	19	7029	431	ADF	182	29916	Read/Write		0	3600	seconds		0	3600	seconds	
FDD Economizer Damper Allowed Error	EconPosErr	AV	19	7030	432	ADF	183	29917	Read/Write		0	100	%		0	100	%	
FDD Damper Min Position Tolerance	EconMinErr	AV	19	7031	433	ADF	184	29918	Read/Write		0	100	%		0	100	%	
Calibration Fault Detect Enable	CalFaultDetectEn	MV	19	7032				30067	Read/Write									0=Disable/1=Enable
Econ Sensor Fault Indications	EconSensorFaults	MV	19	7033	849	ADI	191	30078	Read/Write	Enable								0=Disable/1=Enable
Hot Gas Reheat Enabled For Operation	HGR-En	MV	20	7000	123	ADI	96	29789	Read/Write	No								No/Yes
Hot Gas Reheat Command	HGR	MV	20	7001	379	BO	16	29790	Read Only									0=Off /1=On
Hot Gas Reheat Status	HGR-S	MV	20	7002	380	BI	41	29791	Read Only									0=Off-Idle / 1=On-Normal Command / 2=On-Alternate Operation Command / 3=Off-Disabled
Hot Gas Reheat Humidity Setpoint	HGRHum-Sp	AV	20	7003	68	ADF	153	29792	Read/Write	50	0	100	%RH		0	100	%RH	
Hot Gas Reheat Alternate Operation Enabled	HGRAlt-En	MV	20	7004	124	ADI	97	29793	Read/Write	No								No/Yes
Hot Gas Reheat Alternate Operation Writeable	HGRAltWrite	MV	20	7005	410	ADI	127	29794	Read/Write	No								No/Yes
HGR Unoccupied Humidity Setpoint	HGRUnoccHum-SP	AV	20	7006	78	ADF	164	29903	Read/Write	70	0	100	%		0	100	%	
HGR Enabled for Unoccupied Operation	HGRUnocc-En	MV	20	7007	133	ADI	116	29904	Read/Write	Yes								No/Yes
HGR Humidity Setpoint Differential	HGR-Diff	AV	20	7008				29937	Read/Write	3	1	10	%		1	10	%	
Aux Mode	Mode	MV	20	7009					Read/Write									Off/On
Use DFS For Dehum	Use DFS For Dehum	MV	20	7010					Read/Write									No/Yes
Dehumidification % Command	Dehum%Cmd	AV	20	7011					Read/Write		0	100	%		0	100	%	
Dehumidify in Satisfied	SatisfiedDehum	MV	20	7012	875	ADI	726	30099	Read/Write	1								0=False / 1=True
Max Heating Setpoint	Proportional Max Out Value	AV	20	7013					Read/Write	80	0	100	%		0	100	%	
Min Heating Setpoint	Proportional Min Out Value	AV	20	7014					Read/Write	20	0	100	%		0	100	%	
Operational Evap Temperature Sp	OprEvapTempSp	AV	20	7015	872	ADF	729	30095	Read Only		0	100	°F		0	100	°C	
Operational HGR Temperature Sp	OprHGRTempSp	AV	20	7016	873	ADF	730	30096	Read Only		0	100	°F		0	100	°C	
Setpoint Lower Limit		AV	20	7017					Read Only		40	79	°F		4	26	°C	
Dehum Evap Low Setpoint	DehumEvapLowSp	AV	20	7018	874	ADF	725	30097	Read/Write	40	40	52	°F		4		°C	
VAV Cooling Supply Air Temp Upper Setpoint	SATUp-Sp	AV	20	7019					Read/Write	60	41	70	°F		5	21	°C	
VAV Cooling Supply Air Temp Lower Setpoint	SATLo-Sp	AV	20	7020					Read/Write	55	40	69	°F		4	20	°C	
VAV Supply Air Temp Reset Setpoint	SATRst-Sp	AV	20	7021					Read/Write	72	40	85	°F		4	30	°C	
Occupied Cooling Setpoint	ClgOcc-Sp	AV	20	7022					Read/Write	72	45	98	°F		7	36	°C	
Condenser Fan 2 OAT Cutout Setpoint	CondFan2OATCutoutSP	AV	20	7023	877	ADF	732	30101	Read/Write	75	50	80	°F		10	27	°C	
Modulating HGR Valve Full Open Allowed	ModHGRFullOpenAllowed	MV	20	7024	876	ADI	728	30100	Read/Write	0								0=No / 1=Yes
HGR-Inst		AV	20	7025					Read Only		0	4						
Evaporator Coil Temp	Evaporator Coil Temp	AV	20	7026	854	ADF	196	30074	Read Only				°F				°C	
Hot Gas Reheat Command	HGR	AV	20	7027	389	AO	6	29949	Read Only				%				%	
Supply Air Temperature	SAT	AV	20	7028	855	BO	17	30075	Read Only				°F				°C	
Hot Gas Reheat Bleed Valve Command	Hot Gas Reheat Bleed Valve Command	MV	20	7029					Read Only									Close/Open
Exhaust Fan Command	ExFan	MV	21	7001	376	BO	15	29775	Read Only									Off/On
Exhaust Fan VFD % Command	ExFanVFD	AV	21	7002	258	AO	4	29776	Read Only				%				%	
Exhaust Fan Status	ExF-S	MV	21	7003	377	BI	39	29777	Read Only									0=Off-Idle/1=On-Normal Command/2=Off-Disabled/3=Off-VFD Fault/4=Off-Low Building Static Pressure/5=Off-Economizer Damper Position
Exhaust Fan VFD Fault	ExFanVFDFlt	MV	21	7004	378	BI	40	29778	Read Only									Normal/Alarm
Exhaust Fan Accumulated Runtime	ExF-RunTim	AV	21	7005	259	ADF	146	29779	Read Only				hours				hours	
Building Pressure Setpoint	Bldg-Sp	AV	21	7006	63	ADF	147	29780	Read/Write	0.1	-0.25	0.25	in wc		-0.07	0.07	kPa	
Building Static Pressure	BldgPres	AV	21	7007	260	AI	33	29781	Read Only				in wc				kPa	
Exhaust Damper % Command	EAD-O	AV	21	7008	261	AO	5	29782	Read Only				%				%	
Exhaust Damper Position for Exhaust Fan to Turn On	ExDmpPosFanOn	AV	21	7009	64	ADF	149	29783	Read/Write		20	99	%		20	99	%	
Exhaust Damper Position for Exhaust Fan to Turn Off	ExDmpPosFanOff	AV	21	7010	65	ADF	150	29784	Read/Write		10	89	%		10	89	%	
Economizer Damper Position for Exhaust Fan to Turn On	EconDmpPosFanOn	AV	21	7011	66	ADF	151	29785	Read/Write		20	99	%		20	99	%	
Economizer Damper Position for Exhaust Fan to Turn Off	EconDmpPosFanOff	AV	21	7012	67	ADF	152	29786	Read/Write		10	89	%		10	89	%	
ERV Enabled	ERV-En	MV	21	7013	121	ADI	94	29787	Read/Write									No/Yes
ERV Unoccupied Fan Enabled	ERVUnoccFan-En	MV	21	7014	122	ADI	95	29788	Read/Write									No/Yes
Building Static Pressure Sensor Fault	N/A	MV	21	7015					Read Only									Normal/Alarm

Comfort Ventilation Status	CVent-S	MV	22	7000				29769	Read Only									State 0/State 1/State 2/State 3/State 4/State 5/State 6/State 7/State 8/State 9/State 10/State 11/State 12/State 13/State 14/State 15/State 16/State 17/State 18/State 19/State 20/State 21/State 22/State 23/State 24/State 25/State 26/State 27/State 28/State 29/State 30/State 31
Comfort Ventilation for Cooling Enabled	CVentCLG-En	MV	22	7001				29770	Read/Write									No/Yes
Comfort Ventilation for Heating Enabled	CVentHtg-En	MV	22	7002				29771	Read/Write									No/Yes
Comfort Ventilation Upper Setpoint	CVentUp-Sp	AV	22	7003				29772	Read/Write		60	85	°F		15	30	°C	
Comfort Ventilation Lower Setpoint	CVentLow-Sp	AV	22	7004				29773	Read/Write		60	85	°F		15	30	°C	
Demand Ventilation Mode of Operation	DVent-Mode	MV	23	7000	120	ADI	93	29765	Read/Write	Disabled								Disabled/Controlled by IAQ/Diff between IAQ and OAQ
Demand Ventilation Maximum Economizer Position	DVentMaxEconPos	AV	23	7001	60	ADF	143	29766	Read/Write		0	100	%		0	100	%	
Demand Ventilation Indoor Air Quality Setpoint	DVentIAQ-Sp	AV	23	7002	61	ADF	144	29767	Read/Write		0	5000	ppm		0	5000	ppm	
Demand Ventilation Differential Setpoint	DVentDiff-Sp	AV	23	7003	62	ADF	145	29768	Read/Write	600	0	5000	ppm		0	5000	ppm	
No Air Quality Control Bad IAQ sensor Fault	N/A	MV	23	7004					Read Only									Normal/Alarm
Fresh Air Intake Setpoint	MOAFlow-Sp	AV	24	7000	69	ADF	154	29795	Read/Write		0	50000	cfm		0	25000	L/s	
Fresh Air Intake Value	Fr Air	AV	24	7001	262	ADF	155	29796	Read Only				cfm				L/s	
Fresh Air Intake Max Sensor Range	MOA-Range	AV	24	7002	70	ADF	156	29797	Read/Write		0	50000	cfm		0	25000	L/s	
Fresh Air Intake Sensor Fault	N/A	MV	24	7003					Read Only									Normal/Alarm
Fresh Air Intake Enable	FrAir-En	MV	24	7004	134	ADI	117	29933	Read/Write									Disable/Enable
Fresh Air Range	Control	AV	24	7005					Read/Write		0	5000	cfm		0	2500	L/s	
Occupancy Input Source	OccSrc	MV	25	7000	290	ADI	3	29515	Read Only									0=Local Input/1=Local Network Sensor/2=BAS Network Request/3=Local Schedule/4=Temporary Occupancy
Operational Occupancy	OprOcc	MV	25	7001	292	ADI	5	29517	Read Only	UnOccupied								0=Occupied/1=UnOccupied/2=Bypass/3=Standby
Occupancy Mode	OccMode	MV	25	7002	82	ADI	6	29518	Read/Write	External								Schedule/External
Network Temporary Occupancy Request	NetTempOcc	MV	25	7003	83	ADI	7	29519	Read/Write	FALSE								False/True
Network Occupancy Request	NetOcc	MV	25	7004	84	ADI	8	29520	Read/Write	Not Set								0=Occupied/1=UnOccupied/2=Not Set
Temporary Occupancy Timeout	TempOccTimeout	AV	25	7005	85	ADI	9	29521	Read/Write	120	30	480	minutes		30	480	minutes	
Operational Space Temperature	OprST	AV	25	7006	135	AI	31	29522	Read Only	70			°F				°C	
Space Temperature Source	STSrc	MV	25	7007	293	ADI	10	29523	Read Only	Unreliable								0=Unreliable/1=Return Air Temp/2=Local Input/3=Network Sensor/4=BAS Override/5=Not Available
Space Temperature Alarm Setpoint Offset	STAlarmOffset	AV	25	7008	274	ADF	2	29524	Read/Write	5	0	25	°F		0	14	°C	
Space Temperature Alarm Time Delay	STAlarmDelay	AV	25	7009	86	ADI	11	29525	Read/Write	60	0	120	minutes		0	120	minutes	
Space Temperature Input	ST	AV	25	7010					Read Only				°F				°C	
Network Override Space Temperature	NetST	AV	25	7011	1	ADF	3	29526	Read/Write		0	100	°F		4	38	°C	
Operational Indoor Air Quality	OprIAQ	AV	25	7012	136	ADF	4	29527	Read Only				ppm				ppm	
Indoor Air Quality Source	IAQSrc	MV	25	7013	294	ADI	12	29528	Read Only									0=Unreliable/1=Local Input/2=Network Sensor/3=High Priority/4=BAS Override/5=Input Not Available
Indoor Air Quality	IAQ	AV	25	7014					Read Only				ppm				ppm	
Indoor Air Quality Sensor Range	IAQRange	AV	25	7015	2	ADF	5	29529	Read/Write		0	5000	ppm		0	5000	ppm	
Network Override Indoor Air Quality	NetIAQ	AV	25	7016	3	ADF	6	29530	Read/Write		0	5000	ppm		0	5000	ppm	
Operational Space Humidity	OprSH	AV	25	7017	137	AI	32	29531	Read Only	0			%RH				%RH	
Space Humidity Source	SHSrc	MV	25	7018	295	ADI	13	29532	Read Only	Unreliable								0=Unreliable/1=Local Input/2=Network Sensor/3=High Priority/4=BAS Override/5=Input Not Available
Space Humidity RAH Input	RAH	AV	25	7019	138	AI	1	29828	Read Only				%RH				%RH	
Network Override Zone Humidity	NetSH	AV	25	7020	4	ADF	8	29533	Read/Write		0	100	%RH		0	100	%RH	
Operating Fan Request	OprFanReq	MV	25	7021	296	ADI	14	29534	Read Only	Off								Off/On
Fan Request Source	FanReqSrc	MV	25	7022	297	ADI	15	29535	Read Only	Unreliable								0=Unreliable/1=Local Input/2=Network Sensor/3=High Priority/4=BAS Override/5=Input Not Available
Network Override Fan Request	NetFanReq	MV	25	7023	87	ADI	16	29536	Read/Write									Off/On
Operational Space Temperature Setpoint Offset	OprSSO	AV	25	7024	140	ADF	9	29537	Read Only	0			delta °F				delta °K	
Space Temperature Setpoint Offset Source	SSOSrc	MV	25	7025	298	ADI	17	29538	Read Only	Unreliable								0=Unreliable/1=Local Input/2=Network Sensor/3=High Priority/4=BAS Override/5=Input Not Available
Space Temp Setpoint Offset Input	SSO	AV	25	7026	141	ADF	10	29539	Read Only				delta °F				delta °K	
Network Override Space Setpoint Offset	NetSSO	AV	25	7027	5	ADF	11	29540	Read/Write		-5	5	delta °F		-3	3	delta °K	
Space Temperature Offset Range	SSORange	AV	25	7028	871	ADF	50	30094	Read/Write				delta deg				delta deg	
Space Temperature Setpoint Offset Range	SSORange	AV	25	7028					Read/Write	3	0	5	delta °F		0	3	delta °K	
Number of Network Sensors Online	#NetSensors	AV	25	7029					Read Only									
Occupancy Input	OCC	MV	25	7030	291	BI	9	29516	Read Only									0=Occupied/1=Unoccupied
Space Temperature Sensor Fault	N/A	MV	25	7031					Read Only									Normal/Alarm
Space Temperature Setpoint Offset Fault	N/A	MV	25	7032					Read Only									Normal/Alarm
Indoor Air Quality Sensor Fault	N/A	MV	25	7033					Read Only									Normal/Alarm
Space Humidity Sensor Fault	N/A	MV	25	7034					Read Only									Normal/Alarm
Netsensor Battery Fault	N/A	MV	25	7035					Read Only									Normal/Alarm
Netsensor Signal Strength Fault	N/A	MV	25	7036					Read Only	Normal								Normal/Alarm
Scheduled Occupancy	N/A	MV	25	7037					Read/Write	Unoccupied								Occupied/Unoccupied
Return Air Temperature	RAT	AV	25	7038	139	AI	2	29764	Read Only				°F				°C	
Return Air Temperature Sensor Fault	N/A	MV	25	7039					Read Only									Normal/Alarm
Temporary Occupancy Input	TempOCC	MV	25	7040	81	ADI	4	29825	Read/Write									Disable/Enable
Space Temperature Cooling Alarm	N/A	MV	25	7041					Read Only									Normal/Alarm
Space Temperature Heating Alarm	N/A	MV	25	7042					Read Only									Normal/Alarm
Load Shed Active	LoadShedEnable	MV	25	7043	127	ADI	110	29883	Read/Write									No/Yes
Load Shed Rate Limit	LoadShedRateLim	AV	25	7044	71	ADF	157	29884	Read/Write	0.066	0	1	°F/min		0	1	°C/min	
Load Shed Adjust	LoadShedAdjust	AV	25	7045	72	ADF	158	29885	Read/Write	4	0	8	delta °F		0	4.4	delta °K	
Time to Next Occupancy Period	TimeToNextOcc	AV	25	7046	142	ADF	12	29837	Read Only				minutes				minutes	
Operating Mode	OprMode	MV	25	7047	299	ADI	18	29838	Read Only									0=Normal/1=Warmup/2=Cooldown/3=Coast
Cooling Weighting Parameter 1	ClgWeight1	AV	25	7048	143	ADF	13	29839	Read Only									
Cooling Weighting Parameter 2	ClgWeight2	AV	25	7049	144	ADF	14	29840	Read Only									
Heating Weighting Parameter 1	HtgWeight1	AV	25	7050	145	ADF	15	29841	Read Only									
Heating Weighting Parameter 2	HtgWeight2	AV	25	7051	146	ADF	16	29842	Read Only									
EWMA Cooling Demand	EWMAClgDmd	AV	25	7052	147	ADF	17	29843	Read Only									
EWMA Heating Demand	EWMAHtgDmd	AV	25	7053	148	ADF	18	29844	Read Only									
Corrected Return Time	CorrRetTime	AV	25	7054	149	ADF	19	29845	Read Only				minutes				minutes	
Uncorrected Return Time	UncorrRetTime	AV	25	7055	150	ADF	20	29846	Read Only				minutes				minutes	

Warmup Cooldown Start Time	WarmCoolStrtTime	AV	25	7056	151	ADF	21	29847	Read Only				minutes				minutes	
Warmup Cooldown Start Temperature	WarmCoolStrtTemp	AV	25	7057	152	ADF	22	29848	Read Only									
RAT Instead of Space-T	N/A	MV	25	7058					Read Only									No/Yes
Off During Unoccupied	OffDurUnocc	MV	25	7059	88	ADI	19	29914	Read/Write	No								No/Yes
Use Occupancy Schedule	UseOccSched	MV	25	7060		ADI	20		Read/Write	Yes								No/Yes
Direct Loadshed	DirLoadshd	MV	25	7061	128	ADI	111	29910	Read/Write	No								No/Yes
Redline	Redline	MV	25	7062	129	ADI	112	29911	Read/Write	No								No/Yes
PID Tuning Reset	PIDTunRst	MV	25	7063	130	ADI	113	29919	Read/Write									False/True
Adaptive Tuning Enable	N/A	MV	25	7064					Read/Write									Disable/Enable
Pre Occupancy Purge Enable	PreOccPurgeEna	MV	25	7065					Read/Write									Disable/Enable
Pre Occupancy Purge Time	PreOccPurgeTime	AV	25	7066					Read/Write	60	1	120	minutes		1	120	minutes	
Pre Occupancy Purge Upper SAT Setpoint	PreOccUpSAT_SP	AV	25	7067					Read/Write	90	80	100	°F		26	38	°C	
Pre Occupancy Purge Lower SAT Setpoint	PreOccLowSAT_SP	AV	25	7068					Read/Write	45	35	55	°F		1	13	°C	
Unreliable Sensor Text	N/A	MV	25	7069					Read Only									No/Yes
No Reliable Zone Temp Alarm	N/A	MV	25	7070					Read Only									Normal/Alarm
Network Occupancy Timeout Enable	NetOccTimeoutEn	MV	25	7071					Read/Write									Disable/Enable
Network Occupancy Timeout Time	NetOccTimeoutTime	AV	25	7072					Read/Write		5	60	minutes					
Network Occupancy Request Time	N/A	AV	25	7073					Read Only				minutes					
Common Setpoint	Common-SP	AV	25	7074	853	ADF	189	30065	Read/Write		45	98	°F		8	36	°C	
Heat Cool Setpoint Mode	HtgClgSP-Mode	MV	25	7075	852	ADI	188	30066	Read/Write									0=Common Setpoint/1=individual setpoints
Auto Changeover	N/A	AV	25	7076						3	2	5	delta °F		1.1	2.8	delta °C	
Operational Outdoor Air Temperature	OprOAT	AV	26	7000	153	ADF	23	29541	Read Only	0			°F				°C	
Outdoor Air Temperature Source	OATSrc	MV	26	7001	300	ADI	21	29542	Read Only	Unreliable								0=Unreliable/1=Local Input/2=Network Sensor/3=High Priority/4=BAS Override/5=Input Not Available
Outdoor Air Temperature Input	OAT	AV	26	7002					Read Only				°F				°C	
Network Override Outdoor Air Temperature	NetOAT	AV	26	7003	6	ADF	24	29543	Read/Write		-50	125	°F		-18	52	°C	
Operational Outdoor Air Humidity	OprOAH	AV	26	7004	154	ADF	25	29544	Read Only				%RH				%RH	
Outdoor Air Enthalpy	OA-Enth	AV	26	7005	155	ADF	26	29545	Read Only				Btu/lb				kJ/kg	
Outdoor Air Humidity Source	OAHSrc	MV	26	7006					Read Only									0=Unreliable/1=Local Input/2=Network Sensor/3=High Priority/4=BAS Override/5=Input Not Available
Outdoor Air Humidity Input	OAH	AV	26	7007					Read Only				%RH				%RH	
Network Override Outdoor Air Humidity	NetOAH	AV	26	7008	7	ADF	27	29546	Read/Write		0	100	%RH		0	100	%RH	
Operational Outdoor Air Quality	OprOAQ	AV	26	7009	156	ADF	28	29547	Read Only				ppm				ppm	
Outdoor Air Quality Source	OAQSrc	MV	26	7010	301	ADI	22	29548	Read Only									0=Unreliable/1=Local Input/2=Network Sensor/3=High Priority/4=BAS Override/5=Input Not Available
Outdoor Air Quality Input	OAQ	AV	26	7011					Read Only				ppm				ppm	
Outdoor Air Quality Sensor Range	OAQRange	AV	26	7012					Read/Write		0	5000	ppm		0	5000	ppm	
Network Override Outdoor Air Quality	NetOAQ	AV	26	7013	8	ADF	29	29549	Read/Write		0	5000	ppm		0	5000	ppm	
Outdoor Air Temperature Sensor Fault	N/A	MV	26	7014					Read Only									Normal/Alarm
Outdoor Air Humidity Sensor Fault	N/A	MV	26	7015					Read Only									Normal/Alarm
Outdoor Air Quality Sensor Fault	N/A	MV	26	7016					Read Only									Normal/Alarm
Operating Purge Command	OprPurgeCmd	MV	27	7000	381	ADI	98	29798	Read Only									False/True
Purge Command Source	PurgeCmdSrc	MV	27	7001	382	ADI	99	29799	Read Only									0=Unreliable/1=Local Input/2=Network Sensor/3=High Priority/4=BAS Override/5=Input Not Available
Local Purge Command Input	Purge	MV	27	7002	383	ADI	100	29800	Read Only									False/True
Network Override Purge Command	NetPurge	MV	27	7003	125	ADI	101	29801	Read/Write									False/True
Shutdown Input/Smoke Detector	SD	MV	27	7004	384	ADI	102	29802	Read Only									Normal/Alarm
Pressurize Instead of Purge	PressurizeNotPurge	MV	27	7005	844	ADI	192	30068	Read/Write									0=No/1=Yes
Self Test Command	N/A	MV	28	7000					Read/Write									State 0/State 1/State 2/State 3/State 4/State 5/State 6/State 7/State 8/State 9/State 10/State 11/State 12/State 13/State 14/State 15/State 16/State 17/State 18/State 19/State 20/State 21/State 22/State 23/State 24/State 25/State 26/State 27/State 28/State 29/State 30/State 31
Self Test Status	N/A	MV	28	7001					Read Only									State 0/State 1/State 2/State 3/State 4/State 5/State 6/State 7/State 8/State 9/State 10/State 11/State 12/State 13/State 14/State 15/State 16/State 17/State 18/State 19/State 20/State 21/State 22/State 23/State 24/State 25/State 26/State 27/State 28/State 29/State 30/State 31
Current Test	N/A	MV	28	7002					Read/Write									State 0/State 1/State 2/State 3/State 4/State 5/State 6/State 7/State 8/State 9/State 10/State 11/State 12/State 13/State 14/State 15/State 16/State 17/State 18/State 19/State 20/State 21/State 22/State 23/State 24/State 25/State 26/State 27/State 28/State 29/State 30/State 31
Self Test Time Remaining	N/A	AV	28	7003					Read Only									
Fan To Test	N/A	MV	28	7004					Read/Write									No/Yes
C1 To Test	N/A	MV	28	7005					Read/Write									No/Yes
C2 To Test	N/A	MV	28	7006					Read/Write									No/Yes
C3 To Test	N/A	MV	28	7007					Read/Write									No/Yes
C4 To Test	N/A	MV	28	7008					Read/Write									No/Yes
H1 To Test	N/A	MV	28	7009					Read/Write									No/Yes
H2 To Test	N/A	MV	28	7010					Read/Write									No/Yes
H3 To Test	N/A	MV	28	7011					Read/Write									No/Yes
Econ To Test	N/A	MV	28	7012					Read/Write									No/Yes
Exhaust To Test	N/A	MV	28	7013					Read/Write									No/Yes
Reset	N/A	MV	28	7014					Read/Write									No/Yes
Self Test Pause	N/A	MV	28	7015					Read/Write									No/Yes
Econ Prompt	N/A	MV	28	7016					Read/Write									No/Yes
Fan Prompt	N/A	MV	28	7017					Read/Write									No/Yes
Econ Answer	N/A	MV	28	7018					Read/Write	Wait								No/Yes/Wait
Fan Answer	N/A	MV	28	7019					Read/Write	Wait								No/Yes/Wait
Abort	N/A	MV	28	7020					Read/Write									No/Yes
State	N/A	MV	28	7021					Read Only									Off/Test Fan/Test C1/Test C2/Test C3/Test C4/Test H1/Test H2/Test H3/Test Econ/Test Exhaust
Fan State	FanResult	MV	28	7022					Read Only	Available								Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable

C1 State	C1Result	MV	28	7023					Read Only	Not Run								Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable
C2 State	C2Result	MV	28	7024					Read Only	Not Run								Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable
C3 State	C3Result	MV	28	7025					Read Only	Not Run								Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable
C4 State	C4Result	MV	28	7026					Read Only	Not Run								Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable
H1 State	H1Result	MV	28	7027					Read Only	Not Run								Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable
H2 State	H2Result	MV	28	7028					Read Only	Not Run								Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable
H3 State	H3Result	MV	28	7029					Read Only	Not Run								Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable
Econ State	EconResult	MV	28	7030					Read Only	Available								Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable
Exhaust State	ExhResult	MV	28	7031					Read Only	Not Run								Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable
Current State Status	N/A	MV	28	7032					Read Only	Off								Off/Stabilizing Unit/Checking Fan/Checking C1/Checking C2/Checking C3/Checking C4/Checking H1/Checking H2/Checking H3/Checking Econ/Checking Exhaust/Fail - APS Off/Fail - Low Voltage/Fail - SAT Unreliable/Fail - VFD Fault/Fail - Fan Overload
Global Fault	N/A	MV	28	7033					Read Only									Stabilize/Wait/Check/Available/Not Run/Pass/Warning- Low DSP/Warning- SAT Not Dropped/Warning- SAT Not Increased/Warning- BSP Not Dropped/Warning/Fail- APS On Early/Fail- APS Off/Fail- Low Voltage/Fail- Low DSP/Fail- HPS/Fail- FRZ/Fail- LPS/Fail- LS/Fail- GV Off/Fail- Damper/Fail- SAT Unreliable/Fail- VFD Fault/Fail- Fan Overload/Fail/Fail- DSP Unreliable/Fail- BSP Unreliable
Language	Language	MV	29	7000					Read/Write									English/French/Spanish
Units	Units	MV	29	7001					Read/Write									IP/SI
Relearn System	Relearn	MV	29	7002					Read/Write									False/True
BAS Communication	BASCom	MV	29	7003					Read Only	BACnet								Not Installed/BACnet/N2/Modbus
Econ Controller	EconCntlr	MV	29	7004	385	ADI	103	29813	Read Only									Not Present/Offline/Online
4 Stage Controller	4StgCntlr	MV	29	7005	386	ADI	104	29814	Read Only									Not Present/Offline/Online
FDD Manager Controller	FDDMCntlr	MV	29	7006	387	ADI	105	29815	Read Only									Not Present/Offline/Online
FDD Subordinate Controller	FDDSCntlr	MV	29	7007	388	ADI	106	29816	Read Only									Not Present/Offline/Online
Stepped Heat Controller	StpHeatCntlr	MV	29	7008				29817	Read Only									Not Present/Offline/Online
Device Name	DevName	SV	29	7009				29818	Read/Write			30				30		
Description	Descrip	SV	29	7010					Read/Write			40				40		
Time	Time	Time	30	7000					Read Only									
Date	Date	Date	30	7001					Read Only									
Time Zone	TimeZone	MV	30	7007					Read/Write									Eastern/Central/Mountain/Pacific/Newfoundland/Atlantic/Alaska/Hawaii
Daylight Savings Enable	DaylightSav	MV	30	7008					Read/Write									No/Yes
Time Format	TimeFormat	MV	30	7009					Read/Write									State 0/State 1/State 2/State 3/State 4/State 5/State 6/State 7/State 8/State 9/State 10/State 11/State 12/State
Communication Status	Comm-S	MV	31	7000					Read Only									0=Not Configured/1=Active/2=Waiting For Poll For Master/3=Not Received Token For Long/4=Duplicate MAC Address/5=Forcing BAUD/6=Remote Trunk
Address	Address	AV	31	7001	275				Read/Write		4	127			4	127		
Device OID	DeviceId	AV	31	7002				29897	Read/Write		0	4194302			0	4194302		
Operating Baud Rate	OprBaudRate	MV	31	7003					Read Only									Auto/1200/9600/19200/38400/76800
Baud Rate	BaudRate	MV	31	7004					Read/Write									Auto/1200/9600/19200/38400/76800
Number of Peer Devices	N/A	AV	31	7005					Read Only									
End of Line Switch On	EOL-On	MV	31	7006	390	ADI	108	29827	Read Only									No/Yes
FC Comm Mode	FcBusMode	MV	31	7007					Read Only									0=Wired Field Bus/1=Wireless Field Bus/2=N2 Slave Field Bus/3=Modbus Field Bus/4=Ethernet Field Bus/5=Indeterminate FC Bus Mode
BACnet Encoding Type	EncodeType	MV	31	7008				29934	Read/Write	1								0 = ISO 10646 (UCS-2) / 1 = ANSI X3.4 (US-ASCII)
Radio Code Version	N/A	SV	31	7009														
Active Channel	N/A	AV	31	7010														
Signal Strength	N/A	MV	31	7011														
Connection Status	N/A	MV	31	7012														
Network State	N/A	MV	31	7013														
IEEE Address	N/A	AS	31	7014														
Short Address	N/A	SV	31	7015														
Lost Coordinator Counter	N/A	AV	31	7016														
Low Memory Counter	N/A	AV	31	7017														

Dropped Message Counter	N/A	AV	31	7018														
Baud Rate	BaudRate	MV	31	7019														
Parity	Parity	MV	31	7020														
Stop Bits	StopBits	MV	31	7021														
Firmware Main Version	UCBMainVer	SV	32	7000					Read Only			30				30		
Application Version	UCBAppVer	SV	32	7001					Read Only			30				30		
Board Communication Status	N/A	MV	32	7002					Read Only									0=Not Present/1=Offline/2=Online
Hardware Version	UCBHardVer	SV	32	7003					Read Only			30				30		
Calibration Data Fault	N/A	MV	32	7004					Read Only									Yes/No
Firmware Failure	N/A	MV	32	7005					Read Only									No/Yes
Parameter Corruption	N/A	MV	32	7006					Read Only									No/Yes
Firmware Main Version	EconMainVer	SV	33	7000					Read Only			30				30		
Application Version	EconAppVer	SV	33	7001					Read Only			30				30		
Board Communication Status	N/A	MV	33	7002					Read Only									Not Present/Offline/Online
Hardware Version	EconHardVer	SV	33	7003					Read Only			30				30		
Calibration Data Fault	N/A	MV	33	7004					Read Only									Yes/No
Firmware Failure	N/A	MV	33	7005					Read Only									No/Yes
Parameter Corruption	N/A	MV	33	7006					Read Only									No/Yes
Firmware Main Version	4StgMainVer	SV	34	7000					Read Only			30				30		
Application Version	4StgAppVer	SV	34	7001					Read Only			30				30		
Board Communication Status	N/A	MV	34	7002					Read Only									Not Present/Offline/Online
Hardware Version	4StgHardVer	SV	34	7003					Read Only			30				30		
Calibration Data Fault	N/A	MV	34	7004					Read Only									Yes/No
Firmware Failure	N/A	MV	34	7005					Read Only									No/Yes
Parameter Corruption	N/A	MV	34	7006					Read Only									No/Yes
Firmware Main Version	FDDMMainVer	SV	35	7000					Read Only			30				30		
Application Version	FDDMAppVer	SV	35	7001					Read Only			30				30		
Board Communication Status	N/A	MV	35	7002					Read Only									Not Present/Offline/Online
Hardware Version	FDDMHardVer	SV	35	7003					Read Only			30				30		
Calibration Data Fault	N/A	MV	35	7004					Read Only									Yes/No
Firmware Failure	N/A	MV	35	7005					Read Only									No/Yes
Parameter Corruption	N/A	MV	35	7006					Read Only									No/Yes
Firmware Main Version	FDDSMainVer	SV	36	7000					Read Only			30				30		
Application Version	FDDSAppVer	SV	36	7001					Read Only			30				30		
Board Communication Status	N/A	MV	36	7002					Read Only									Not Present/Offline/Online
Hardware Version	FDDSHardVer	SV	36	7003					Read Only			30				30		
Calibration Data Fault	N/A	MV	36	7004					Read Only									Yes/No
Firmware Failure	N/A	MV	36	7005					Read Only									No/Yes
Parameter Corruption	N/A	MV	36	7006					Read Only									No/Yes
Firmware Main Version	N/A	SV	37	7000					Read Only			30				30		
Application Version	N/A	SV	37	7001					Read Only			30				30		
Board Communication Status	N/A	MV	37	7002					Read Only									Not Present/Offline/Online
Hardware Version	N/A	SV	37	7003					Read Only			30				30		
Calibration Data Fault	N/A	MV	37	7004					Read Only									Yes/No
Firmware Failure	N/A	MV	37	7005					Read Only									No/Yes
Parameter Corruption	N/A	MV	37	7006					Read Only									No/Yes
Number of Heat Pump Stages Installed	#HtPumpStgs	AV	38	7000	434	ADF	185	29898	Read/Write	0	0	2			0	2		
Defrost Enable	N/A	MV	38	7001					Read/Write									Disable/Enable
Test Defrost Enable	TestDefrostEnable	MV	38	7002					Read/Write									False/True
Compressor Delay Enable	CompDelayEnable	MV	38	7003					Read/Write									False/True
Defrost Curve Selection	DefrostCurveSel	MV	38	7004	117	ADI	81	29899	Read/Write	Curve 1								Curve 1/Curve 2/Curve 3/Curve 4/Curve 5/Curve 6
Defrost State	DefrostState	MV	38	7005				29920	Read Only									Defrost Off/Normal Defrost/Test Defrost/Comp Delay Exit Defrost/Comp Delay Enter Defrost/Rev Valve Off Delay/Rev Valve On Delay
Defrost Terminate Curve 6	N/A	AV	38	7006					Read/Write	50	30	80	°F		-1	27	°C	
Initiate Curve 6	N/A	AV	38	7007					Read/Write	0.856000006	0.25	1.5			0.25	1.5		
Initiate Curve Intercept 6	N/A	AV	38	7008					Read/Write	-5.592999935	-12	12			-12	12		
Defrost Inhibit Time 6	N/A	AV	38	7009					Read/Write	30	30	120	minutes		30	120	minutes	
Max Defrost Cycle Time 6	N/A	AV	38	7010					Read/Write	10	6	15	minutes		6	15	minutes	
Reversing Valve	RevVlv	MV	38	7011	366	BO	13	29900	Read Only									Off/On
Auxiliary Heat	AuxHtg	MV	38	7012	367	BO	14	29901	Read Only									Off/On
Mode	Mode	MV	38	7013	368	ADI	83	29902	Read Only									Heating/Cooling
Max Defrost Cycle Time 6	N/A	AV	38	7014					Read/Write	60	0	99	°F		-18	37	°C	
Outdoor Air Temp Permission	OATDefPerm	AV	38	7015						50	45	60	°F	10	7	16	°C	
Warmer/Cooler Adjust Enable	N/A	MV	39	7000					Read/Write									No/Yes
Heat Cool Mode	N/A	MV	39	7001					Read/Write	Off								Heat/Cool/Fan Only/Balancing/Satisfied/Off
Operating State	N/A	MV	39	7002					Read Only	Heat								Heat/Cool/Fan Only/Balancing/Satisfied/Off
Effective Y4 Call	N/A	MV	39	7003					Read/Write									No/Yes
Effective W3 Call	N/A	MV	39	7004					Read/Write									No/Yes
Emergency Heat Only	N/A	MV	39	7006					Read/Write									No/Yes
Active Mode	N/A	MV	39	7007					Read Only	Heating								Heating/Cooling
Control Mode	N/A	MV	39	7008					Read/Write	Auto								Heat/Cool/Fan Only/Auto/Off
Standby Cooling Setpoint	N/A	AV	39	7011					Read/Write	74	45	98	°F		7	36	°C	
Standby Heating Setpoint	N/A	AV	39	7012					Read/Write	66	45	98	°F		7	36	°C	
CCS Temp Occ Status	N/A	MV	39	7013					Read/Write									No/Yes
Fan Speed High	N/A	AV	39	7014					Read/Write		0	100	%		0	100	%	
Fan Speed Low	N/A	AV	39	7015					Read/Write		0	100	%		0	100	%	
Power Fail Restart Enable	N/A	MV	39	7016					Read/Write	Yes								No/Yes

VFD Econ Min Pos Reset	N/A	MV	39	7017					Read/Write									No/Yes
Plug and Play Occupancy Request	N/A	MV	39	7018					Read Only	Not Set								Occupied/UnOccupied/Not Set
CCS Fan Request	N/A	MV	39	7019					Read/Write	No								No/Yes
COBP Supply Air Temperature Setpoint	N/A	AV	39	7020					Read/Write	110	45	130			7	55		
Temperature Sensor 1	N/A	AV	40	7000					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 2	N/A	AV	40	7001					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 3	N/A	AV	40	7002					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 4	N/A	AV	40	7003					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 5	N/A	AV	40	7004					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 6	N/A	AV	40	7005					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 7	N/A	AV	40	7006					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 8	N/A	AV	40	7007					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 9	N/A	AV	40	7008					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 10	N/A	AV	40	7009					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 11	N/A	AV	40	7010					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 12	N/A	AV	40	7011					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 13	N/A	AV	40	7012					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 14	N/A	AV	40	7013					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 15	N/A	AV	40	7014					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 16	N/A	AV	40	7015					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 17	N/A	AV	40	7016					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 18	N/A	AV	40	7017					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 19	N/A	AV	40	7018					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 20	N/A	AV	40	7019					Read/Write		0	1000000	Custom		0	1000000	Custom	
Temperature Sensor 21	N/A		40	7020					Read/Write									
Temperature Sensor 22	N/A		40	7021					Read/Write									
Temperature Sensor 23	N/A		40	7022					Read/Write									
Temperature Sensor 24	N/A		40	7023					Read/Write									
Temperature Sensor 25	N/A		40	7024					Read/Write									
Temperature Sensor 26	N/A		40	7025					Read/Write									
Commissioning Mode	N/A	MV	41	7000					Read/Write									Disable/Enable
Commissioning Time Remaining	CommishTimeRemaining	AV	41	7001					Read Only				minutes					
Extend Commissioning Time	ExtendCommish Time	MV	41	7002					Read/Write									No/Yes
Unit Enable	UnitEn	MV	41	7003					Read/Write									Shutdown/Enable
Supply Fan Command	Fan	MV	41	7004					Read/Write									Off/On
Fan % Command	FanVFD	AV	41	7005					Read/Write				%					
Compressor Stage Command 1	C1	MV	41	7006					Read/Write									Off/On
Compressor Stage Command 2	C2	MV	41	7007					Read/Write									Off/On
Compressor Stage Command 3	C3	MV	41	7008					Read/Write									Off/On
Compressor Stage Command 4	C4	MV	41	7009					Read/Write									Off/On
Condenser Fan 1		MV	41	7010					Read/Write									Off/On
Condenser Fan 2	CF2	MV	41	7011					Read/Write									Off/On
Heating Stage Command 1	H1	MV	41	7012					Read/Write									Off/On
Heating Stage Command 2	H2	MV	41	7013					Read/Write									Off/On
Heating Stage Command 3	H3	MV	41	7014					Read/Write									Off/On
Hot Gas Reheat	HGR	MV	41	7015					Read/Write									Off/On
Economizer Damper % Command	Econ	AV	41	7016					Read/Write				%					
Exhaust Fan Command	ExFan	MV	41	7017					Read/Write									Off/On
Exhaust Fan VFD % Command	ExFanVFD	AV	41	7018					Read/Write				%					
Cancel ASCD Timers	Cancel ASCD Timers	MV	41	7019					Read/Write									No/Yes
Exhaust Damper % Command	EAD-O	AV	41	7020					Read/Write				%					
Hot Gas Reheat	HGR	AV	41	7021					Read/Write				%					
Hot Gas Reheat Bleed Valve Command	N/A	MV	41	7022					Read/Write									Close/Open