

## Liebert - iCOM\_PA - BACnet Mapping FDM Version #36

### Binary Data

#### Air - Supply Air

Data Label	Object Type	Instance	Object Name	Access	Notes
Supply Air Over Temperature	Binary_Value	1	5015	RD	
Supply Air Under Temperature	Binary_Value	2	5019	RD	
Supply Air Sensor Issue	Binary_Value	3	5026	RD	

#### Air - Return Air

Data Label	Object Type	Instance	Object Name	Access	Notes
Return Air Over Temperature	Binary_Value	14	5023	RD	
Return Air Under Temperature	Binary_Value	15	5335	RD	
Return Air Sensor Issue	Binary_Value	16	5147	RD	

#### Air - External Sensors

Data Label	Object Type	Instance	Object Name	Access	Notes
Ext Air Sensor A Over Temperature	Binary_Value	27	4601	RD	
Ext Air Sensor A Under Temperature	Binary_Value	28	4608	RD	
Ext Air Sensor A Issue	Binary_Value	29	4618	RD	
Ambient Air Sensor Issue	Binary_Value	30	5060	RD	

#### Humidity

Data Label	Object Type	Instance	Object Name	Access	Notes
High Return Humidity	Binary_Value	41	5034	RD	
Low Return Humidity	Binary_Value	42	5036	RD	

#### Humidity - External Sensors

Data Label	Object Type	Instance	Object Name	Access	Notes
Ext Air Sensor A High Humidity	Binary_Value	53	5349	RD	
Ext Air Sensor A Low Humidity	Binary_Value	54	5351	RD	

#### Compressors

Data Label	Object Type	Instance	Object Name	Access	Notes
Ext Compressor Lockout	Binary_Value	65	5067	RD	
Compressor Capacity Reduced	Binary_Value	66	5513	RD	

### Compressors - Compressor 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Compressor Hours Exceeded	Binary_Value	77	5269_1	RD	
Compressor High Head Pressure	Binary_Value	78	5270_1	RD	
Compressor Low Suction Pressure	Binary_Value	79	5271_1	RD	
Compressor Short Cycle	Binary_Value	80	5352_1	RD	
Compressor Pump Down Issue	Binary_Value	81	5146_1	RD	
Compressor Thermal Overload	Binary_Value	82	5272_1	RD	
Dig Scroll Comp Discharge Temp Sensor Issue	Binary_Value	83	5354_1	RD	
Dig Scroll Comp Over Temp	Binary_Value	84	5355_1	RD	
Compressor Low Pressure Transducer Issue	Binary_Value	85	5514_1	RD	
Compressor High Pressure Transducer Issue	Binary_Value	86	5148_1	RD	

### Compressors - Compressor 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Compressor Hours Exceeded	Binary_Value	97	5269_2	RD	
Compressor High Head Pressure	Binary_Value	98	5270_2	RD	
Compressor Low Suction Pressure	Binary_Value	99	5271_2	RD	
Compressor Short Cycle	Binary_Value	100	5352_2	RD	
Compressor Pump Down Issue	Binary_Value	101	5146_2	RD	
Compressor Thermal Overload	Binary_Value	102	5272_2	RD	
Dig Scroll Comp Discharge Temp Sensor Issue	Binary_Value	103	5354_2	RD	
Dig Scroll Comp Over Temp	Binary_Value	104	5355_2	RD	
Compressor Low Pressure Transducer Issue	Binary_Value	105	5514_2	RD	
Compressor High Pressure Transducer Issue	Binary_Value	106	5148_2	RD	

### Free Cooling

Data Label	Object Type	Instance	Object Name	Access	Notes
Free Cooling Valve Hours Exceeded	Binary_Value	117	5306	RD	
Ext Free Cooling Lockout	Binary_Value	118	5361	RD	
Free Cooling Temp Sensor Issue	Binary_Value	119	5362	RD	

### Reheat

Data Label	Object Type	Instance	Object Name	Access	Notes
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Hot Water / Hot Gas Valve Hours Exceeded	Binary_Value	130	5365	RD	
Reheater Over Temperature	Binary_Value	131	5068	RD	
Ext Reheat Lockout	Binary_Value	132	5070	RD	

#### Reheat - Electric Reheater 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Electric Reheater Hours Exceeded	Binary_Value	143	5368_1	RD	

#### Reheat - Electric Reheater 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Electric Reheater Hours Exceeded	Binary_Value	154	5368_2	RD	

#### Reheat - Electric Reheater 3

Data Label	Object Type	Instance	Object Name	Access	Notes
Electric Reheater Hours Exceeded	Binary_Value	165	5368_3	RD	

#### Humidifier

Data Label	Object Type	Instance	Object Name	Access	Notes
Humidifier Hours Exceeded	Binary_Value	176	5037	RD	
Ext Humidifier Lockout	Binary_Value	177	5044	RD	
Humidifier Control Board Not Detected	Binary_Value	178	5045	RD	
Humidifier Cylinder Worn	Binary_Value	179	5042	RD	
Humidifier Issue	Binary_Value	180	5043	RD	
Humidifier Low Water	Binary_Value	181	5041	RD	
Humidifier Over Current	Binary_Value	182	5040	RD	
Humidifier Under Current	Binary_Value	183	5039	RD	

#### Dehumidifier

Data Label	Object Type	Instance	Object Name	Access	Notes
Dehumidifier Hours Exceeded	Binary_Value	194	5038	RD	

#### Fan

Data Label	Object Type	Instance	Object Name	Access	Notes
Fan Hours Exceeded	Binary_Value	205	5054	RD	
Main Fan Overload	Binary_Value	206	5376	RD	
Fan Issue	Binary_Value	207	4729	RD	

#### Condensers

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser TVSS Issue	Binary_Value	218	5073	RD	
Condenser VFD Issue	Binary_Value	219	5072	RD	
Ext Condenser Pump High Water	Binary_Value	220	5106	RD	

### Condensers - Condenser 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Issue	Binary_Value	231	5377_1	RD	

### Condensers - Condenser 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Issue	Binary_Value	242	5377_2	RD	

### System Events

Data Label	Object Type	Instance	Object Name	Access	Notes
Customer Input 1	Binary_Value	253	4270	RD	
Customer Input 2	Binary_Value	254	4271	RD	
Customer Input 3	Binary_Value	255	4272	RD	
Customer Input 4	Binary_Value	256	4273	RD	
Ext Loss of Air Blower	Binary_Value	257	5415	RD	
Ext Loss of Flow	Binary_Value	258	5105	RD	
Ext Standby Glycol Pump On	Binary_Value	259	5107	RD	
BMS Communications Timeout	Binary_Value	260	5115	RD	
Ext Standby Unit On	Binary_Value	261	5416	RD	
Clogged Air Filter	Binary_Value	262	5118	RD	
Loss of Air Flow	Binary_Value	263	5053	RD	
Service Required	Binary_Value	264	4726	RD	
Master Unit Communication Lost	Binary_Value	265	5120	RD	
RAM Battery Issue	Binary_Value	266	5119	RD	
Shutdown - Loss Of Power	Binary_Value	267	4714	RD	
High Power Shutdown	Binary_Value	268	5121	RD	
Smoke Detected	Binary_Value	269	4720	RD	
Supply Chilled Water Loss of Flow	Binary_Value	270	4980	RD	
Supply Chilled Water Over Temp	Binary_Value	271	4626	RD	
Unit Code Missing	Binary_Value	272	5418	RD	
Unit Communication Lost	Binary_Value	273	5419	RD	
Water Leakage Detector Sensor Issue	Binary_Value	274	5114	RD	
Water Under Floor	Binary_Value	275	4723	RD	

Ext Over Temperature	Binary_Value	276	5104	RD	
External Fire Detected	Binary_Value	277	5108	RD	
Condenser Communication Lost	Binary_Value	278	5531	RD	

### System Events - Messages

Data Label	Object Type	Instance	Object Name	Access	Notes
Unit Off	Binary_Value	289	5110	RD	
Unit On	Binary_Value	290	5109	RD	
Unit Partial Shutdown	Binary_Value	291	5112	RD	
Unit Shutdown	Binary_Value	292	5113	RD	
Unit Standby	Binary_Value	293	5111	RD	
Maintenance Due	Binary_Value	294	5116	RD	
Maintenance Completed	Binary_Value	295	5117	RD	

### System Events - Chilled Water Valve 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Chilled Water Control Valve Position	Binary_Value	306	4703_1	RD	

### System Events - Chilled Water Valve 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Chilled Water Control Valve Position	Binary_Value	317	4703_2	RD	

### System Events - iCOM DO Board 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Digital Output Board Not Detected	Binary_Value	328	5417_1	RD	

### System Events - iCOM DO Board 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Digital Output Board Not Detected	Binary_Value	339	5417_2	RD	

### System Events - iCOM DO Board 3

Data Label	Object Type	Instance	Object Name	Access	Notes
Digital Output Board Not Detected	Binary_Value	350	5417_3	RD	

### Global Condenser

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Outside Air Temp Sensor Issue	Binary_Value	361	5535	RD	

Condenser Outside Air Temp Out of Operating Range	Binary_Value	362	5536	RD	
Condenser Control Board Issue	Binary_Value	363	5537	RD	

### Global Condenser - Circuit 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Refrigerant Pressure Over Threshold	Binary_Value	374	5539_1	RD	
Condenser Refrigerant Pressure Under Threshold	Binary_Value	375	5540_1	RD	
Condenser Refrigerant Pressure Sensor Issue	Binary_Value	376	5541_1	RD	
Condenser Supply Refrigerant Over Temp	Binary_Value	377	5542_1	RD	
Condenser Supply Refrigerant Under Temp	Binary_Value	378	5543_1	RD	
Condenser Supply Refrigerant Temp Sensor Issue	Binary_Value	379	5544_1	RD	
Condenser Max Fan Speed Override	Binary_Value	380	5545_1	RD	

### Global Condenser - Circuit 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Refrigerant Pressure Over Threshold	Binary_Value	391	5539_2	RD	
Condenser Refrigerant Pressure Under Threshold	Binary_Value	392	5540_2	RD	
Condenser Refrigerant Pressure Sensor Issue	Binary_Value	393	5541_2	RD	
Condenser Supply Refrigerant Over Temp	Binary_Value	394	5542_2	RD	
Condenser Supply Refrigerant Under Temp	Binary_Value	395	5543_2	RD	
Condenser Supply Refrigerant Temp Sensor Issue	Binary_Value	396	5544_2	RD	
Condenser Max Fan Speed Override	Binary_Value	397	5545_2	RD	

### Global Condenser - Fan 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Fan Issue	Binary_Value	408	5277_1	RD	

### Global Condenser - Fan 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Fan Issue	Binary_Value	419	5277_2	RD	

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### Global Condenser - Fan 4

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Fan Issue	Binary_Value	441	5277_4	RD	

## Analog Data

### Air

Data Label	Object Type	Instance	Object Name	Access	Notes
Air Temperature Set Point	Analog_Value	1	5008	RW	
Air Temperature Proportional Band	Analog_Value	2	5325	RW	
Air Temperature Dead Band	Analog_Value	3	5011	RW	
Air Temperature Control Integration Time	Analog_Value	4	5326	RW	
Today's High Air Temperature	Analog_Value	5	5327	RD	
Today's High Air Temperature Time	Analog_Value	6	5328	RD	
Today's Low Air Temperature	Analog_Value	7	5329	RD	
Today's Low Air Temperature Time	Analog_Value	8	5330	RD	

### Air - Supply Air

Data Label	Object Type	Instance	Object Name	Access	Notes
Supply Air Temperature	Analog_Value	19	5002	RD	
Supply Air Temperature Set Point	Analog_Value	20	5331	RW	

### Air - Return Air

Data Label	Object Type	Instance	Object Name	Access	Notes
Return Air Temperature	Analog_Value	31	4291	RD	
Return Air Temperature Set Point	Analog_Value	32	5333	RW	
Return Air Over Temp Threshold	Analog_Value	33	5022	RW	
Return Air Under Temp Threshold	Analog_Value	34	5334	RW	

### Air - External Sensors

Data Label	Object Type	Instance	Object Name	Access	Notes
Ext Air Sensor A Temperature	Analog_Value	45	4594	RD	
Ext Air Sensor B Temperature	Analog_Value	46	4597	RD	
Ext Air Sensor C Temperature	Analog_Value	47	5336	RD	
Ext Air Sensor A Over Temp Threshold	Analog_Value	48	5337	RW	

Ext Air Sensor A Under Temp Threshold	Analog_Value	49	5338	RW	
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### Humidity

Data Label	Object Type	Instance	Object Name	Access	Notes
Return Humidity	Analog_Value	60	5028	RD	
Humidity Set Point	Analog_Value	61	5029	RW	
Return Humidity Set Point	Analog_Value	62	5339	RW	
Humidity Proportional Band	Analog_Value	63	5341	RW	
Humidity Dead Band	Analog_Value	64	5032	RW	
Humidity Proportional Control Integration Time	Analog_Value	65	5342	RW	
High Return Humidity Threshold	Analog_Value	66	5033	RW	
Low Return Humidity Threshold	Analog_Value	67	5035	RW	
Today's High Humidity	Analog_Value	68	5343	RD	
Today's High Humidity Time	Analog_Value	69	5344	RD	
Today's Low Humidity	Analog_Value	70	5345	RD	
Today's Low Humidity Time	Analog_Value	71	5346	RD	

### Humidity - External Sensors

Data Label	Object Type	Instance	Object Name	Access	Notes
Ext Air Sensor A Humidity	Analog_Value	82	4595	RD	
Ext Air Sensor B Humidity	Analog_Value	83	4598	RD	
Ext Air Sensor C Humidity	Analog_Value	84	5347	RD	
Ext Air Sensor A High Humidity Threshold	Analog_Value	85	5348	RW	
Ext Air Sensor A Low Humidity Threshold	Analog_Value	86	5350	RW	

### Compressors - Compressor 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Compressor Hours	Analog_Value	97	5267_1	RW	
Compressor Hours Threshold	Analog_Value	98	5268_1	RW	
Dig Scroll Comp Discharge Temp	Analog_Value	99	5353_1	RD	

### Compressors - Compressor 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Compressor Hours	Analog_Value	110	5267_2	RW	
Compressor Hours Threshold	Analog_Value	111	5268_2	RW	
Dig Scroll Comp Discharge Temp	Analog_Value	112	5353_2	RD	



### Free Cooling

Data Label	Object Type	Instance	Object Name	Access	Notes
Free Cooling Internal Temperature Delta	Analog_Value	123	5356	RW	
Free Cooling Fluid Temperature	Analog_Value	124	5358	RD	
Minimum Chilled Water Temp Set Point	Analog_Value	125	5360	RW	
Free Cooling Valve Hours	Analog_Value	126	5304	RW	
Free Cooling Valve Hours Threshold	Analog_Value	127	5305	RW	

### Reheat

Data Label	Object Type	Instance	Object Name	Access	Notes
Hot Water / Hot Gas Valve Hours	Analog_Value	138	5363	RW	
Hot Water / Hot Gas Valve Hours Threshold	Analog_Value	139	5364	RW	

### Reheat - Electric Reheater 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Electric Reheater Hours	Analog_Value	150	5366_1	RW	
Electric Reheater Hours Threshold	Analog_Value	151	5367_1	RW	

### Reheat - Electric Reheater 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Electric Reheater Hours	Analog_Value	162	5366_2	RW	
Electric Reheater Hours Threshold	Analog_Value	163	5367_2	RW	

### Reheat - Electric Reheater 3

Data Label	Object Type	Instance	Object Name	Access	Notes
Electric Reheater Hours	Analog_Value	174	5366_3	RW	
Electric Reheater Hours Threshold	Analog_Value	175	5367_3	RW	

### Humidifier

Data Label	Object Type	Instance	Object Name	Access	Notes
Humidifier Hours	Analog_Value	186	5369	RW	
Humidifier Hours Threshold	Analog_Value	187	5370	RW	
Infrared Humidifier Flush Rate	Analog_Value	188	5445	RW	

### Dehumidifier

Data Label	Object Type	Instance	Object Name	Access	Notes
Dehumidifier Hours	Analog_Value	199	5371	RW	
Dehumidifier Hours Threshold	Analog_Value	200	5372	RW	

## Fan

Data Label	Object Type	Instance	Object Name	Access	Notes
Fan Speed Maximum Set Point	Analog_Value	211	5050	RW	
Fan Hours	Analog_Value	212	5374	RW	
Fan Hours Threshold	Analog_Value	213	5375	RW	

## Analog Inputs 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Analog Input Reading	Analog_Value	224	5378_1	RD	

## Analog Inputs 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Analog Input Reading	Analog_Value	235	5378_2	RD	

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## Analog Inputs 4

Data Label	Object Type	Instance	Object Name	Access	Notes
Analog Input Reading	Analog_Value	257	5378_4	RD	

## System Info

Data Label	Object Type	Instance	Object Name	Access	Notes
BMS Timeout Period	Analog_Value	268	5075	RW	
Auto Restart Delay	Analog_Value	269	4710	RW	

## System Operations

Data Label	Object Type	Instance	Object Name	Access	Notes
Fan Speed	Analog_Value	280	5077	RD	
Compressor Utilization	Analog_Value	281	5078	RD	
Free Cooling Valve Open Position	Analog_Value	282	5379	RD	
Maintenance Ramp	Analog_Value	283	4870	RD	
Calculated Next Maintenance Month	Analog_Value	284	4868	RD	
Calculated Next Maintenance Year	Analog_Value	285	4869	RD	

Hot Water / Hot Gas Valve Open Position	Analog_Value	286	5380	RD	
Reheat Utilization	Analog_Value	287	5080	RD	
Humidifier Utilization	Analog_Value	288	5081	RD	
Dehumidifier Utilization	Analog_Value	289	5079	RD	

### Time

Data Label	Object Type	Instance	Object Name	Access	Notes
System Date and Time	Analog_Value	300	4293	RW	

### Global Condenser

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Outside Air Temperature	Analog_Value	311	5534	RD	

### Global Condenser - Low Noise Mode

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Low Noise Mode Max Fan Speed	Analog_Value	322	5548	RW	
Condenser Normal Mode Max Fan Speed	Analog_Value	323	5549	RW	
Condenser Low Noise Mode - Interval Days	Analog_Value	324	5550	RW	1 = Monday 2 = Tuesday 4 = Wednesday 8 = Thursday 16 = Friday 32 = Saturday 64 = Sunday
Condenser Low Noise Mode - Full Days	Analog_Value	325	5551	RW	1 = Monday 2 = Tuesday 4 = Wednesday 8 = Thursday 16 = Friday 32 = Saturday 64 = Sunday
Condenser Low Noise Mode Start Time	Analog_Value	326	5552	RW	
Condenser Low Noise Mode Stop Time	Analog_Value	327	5553	RW	

### Global Condenser - Fan 1

Data Label	Object Type	Instance	Object Name	Access	Notes
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Condenser Fan Speed	Analog_Value	338	5276_1	RD	
Condenser Fan Power	Analog_Value	339	5538_1	RD	

#### Global Condenser - Fan 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Fan Speed	Analog_Value	350	5276_2	RD	
Condenser Fan Power	Analog_Value	351	5538_2	RD	

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#### Global Condenser - Fan 4

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Fan Speed	Analog_Value	374	5276_4	RD	
Condenser Fan Power	Analog_Value	375	5538_4	RD	

### Multistate Data

#### Protocol

Data Label	Object Type	Instance	Object Name	Access	Notes
Server Class	MultiState_Value	1	4553	RD	1 = UPS 2 = AIR 3 = PMP 4 = PDU

#### Air

Data Label	Object Type	Instance	Object Name	Access	Notes
Air Temperature Control Type	MultiState_Value	12	5324	RW	1 = Proportional 2 = Prop+Integral 3 = Intelligent

#### Air - Supply Air

Data Label	Object Type	Instance	Object Name	Access	Notes
Supply Air Temperature Sensor Control	MultiState_Value	23	5332	RW	1 = Disabled 2 = Limit 3 = Control 4 = Temp Only

#### Humidity

Data Label	Object Type	Instance	Object Name	Access	Notes
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Humidity Proportional Control Type	MultiState_Value	34	5340	RW	1 = Relative 2 = Compensated 3 = Predictive
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### Compressors - Compressor 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Compressor State	MultiState_Value	45	5264_1	RD	1 = off 2 = on
Compressor Capacity Control State	MultiState_Value	46	5265_1	RD	1 = off 2 = on

### Compressors - Compressor 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Compressor State	MultiState_Value	57	5264_2	RD	1 = off 2 = on
Compressor Capacity Control State	MultiState_Value	58	5265_2	RD	1 = off 2 = on

### Free Cooling

Data Label	Object Type	Instance	Object Name	Access	Notes
Free Cooling Status	MultiState_Value	69	5302	RD	1 = off 2 = on 3 = No Support
Free Cooling Internal Control Mode	MultiState_Value	70	5357	RW	1 = Disabled 2 = Contact 3 = Value
Minimum Chilled Water Temp Set Point Enable	MultiState_Value	71	5359	RW	1 = disabled 2 = enabled

### Fan

Data Label	Object Type	Instance	Object Name	Access	Notes
Fan Control Mode	MultiState_Value	82	5373	RW	1 = Auto 2 = Manual 3 = Economy 4 = Delta

### System Info

Data Label	Object Type	Instance	Object Name	Access	Notes
System Status	MultiState_Value	93	4123	RD	1 = Normal Operation

					2 = StartUp 3 = Normal with Warning 4 = Normal with Alarm 5 = Abnormal Operation
System Operating State	MultiState_Value	94	4706	RD	1 = off 2 = on 3 = standby
System Control Mode	MultiState_Value	95	4707	RD	1 = Internal (Auto) 2 = External (Manual)
System Operating State Reason	MultiState_Value	96	5074	RD	1 = Reason Unknown 2 = Network Display 3 = Alarm 4 = Schedule 5 = Remote System 6 = External Input 7 = Local Display

### System Operations

Data Label	Object Type	Instance	Object Name	Access	Notes
Fan State	MultiState_Value	107	5381	RD	1 = off 2 = on
Cooling State	MultiState_Value	108	5382	RD	1 = off 2 = on
Free Cooling State	MultiState_Value	109	5383	RD	1 = off 2 = on
Maintenance Tracking State	MultiState_Value	110	5384	RD	1 = off 2 = on
Hot Water / Hot Gas State	MultiState_Value	111	5385	RD	1 = off 2 = on
Electric Reheat State	MultiState_Value	112	5386	RD	1 = off 2 = on
Dehumidifier State	MultiState_Value	113	5387	RD	1 = off 2 = on
Humidifier State	MultiState_Value	114	5388	RD	1 = off 2 = on
System On/Off Control	MultiState_Value	115	5143	RW	1 = off 2 = on

### System Event Configuration

Data Label	Object Type	Instance	Object Name	Access	Notes
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Customer Input 1 - Event Control	MultiState_Value	126	4718	RW	1 = disabled 2 = enabled
Customer Input 1 - Event Type	MultiState_Value	127	4719	RW	1 = Message 2 = Warning 3 = Alarm
Customer Input 2 - Event Control	MultiState_Value	128	5098	RW	1 = disabled 2 = enabled
Customer Input 2 - Event Type	MultiState_Value	129	5099	RW	1 = Message 2 = Warning 3 = Alarm
Customer Input 3 - Event Control	MultiState_Value	130	5100	RW	1 = disabled 2 = enabled
Customer Input 3 - Event Type	MultiState_Value	131	5101	RW	1 = Message 2 = Warning 3 = Alarm
Customer Input 4 - Event Control	MultiState_Value	132	5102	RW	1 = disabled 2 = enabled
Customer Input 4 - Event Type	MultiState_Value	133	5103	RW	1 = Message 2 = Warning 3 = Alarm
Ext Free Cooling Lockout - Event Control	MultiState_Value	134	5389	RW	1 = disabled 2 = enabled
Ext Free Cooling Lockout - Event Type	MultiState_Value	135	5390	RW	1 = Message 2 = Warning 3 = Alarm
Ext Condenser Pump High Water - Event Control	MultiState_Value	136	5122	RW	1 = disabled 2 = enabled
Ext Condenser Pump High Water - Event Type	MultiState_Value	137	5123	RW	1 = Message 2 = Warning 3 = Alarm
Ext Standby Glycol Pump On - Event Control	MultiState_Value	138	5129	RW	1 = disabled 2 = enabled
Ext Standby Glycol Pump On - Event Type	MultiState_Value	139	5130	RW	1 = Message 2 = Warning 3 = Alarm
Ext Standby Unit On - Event Control	MultiState_Value	140	5391	RW	1 = disabled 2 = enabled
Ext Standby Unit On - Event Type	MultiState_Value	141	5392	RW	1 = Message 2 = Warning 3 = Alarm
Ext Humidifier Lockout - Event Control	MultiState_Value	142	5086	RW	1 = disabled 2 = enabled

Ext Humidifier Lockout - Event Type	MultiState_Value	143	5087	RW	1 = Message 2 = Warning 3 = Alarm
Ext Loss of Flow - Event Control	MultiState_Value	144	5082	RW	1 = disabled 2 = enabled
Ext Loss of Flow - Event Type	MultiState_Value	145	5083	RW	1 = Message 2 = Warning 3 = Alarm
Ext Over Temperature - Event Control	MultiState_Value	146	5090	RW	1 = disabled 2 = enabled
Ext Over Temperature - Event Type	MultiState_Value	147	5091	RW	1 = Message 2 = Warning 3 = Alarm
Ext Reheat Lockout - Event Control	MultiState_Value	148	5084	RW	1 = disabled 2 = enabled
Ext Reheat Lockout - Event Type	MultiState_Value	149	5085	RW	1 = Message 2 = Warning 3 = Alarm
High Power Shutdown - Event Control	MultiState_Value	150	5141	RW	1 = disabled 2 = enabled
High Power Shutdown - Event Type	MultiState_Value	151	5142	RW	1 = Message 2 = Warning 3 = Alarm
Humidifier Issue - Event Control	MultiState_Value	152	5131	RW	1 = disabled 2 = enabled
Humidifier Issue - Event Type	MultiState_Value	153	5132	RW	1 = Message 2 = Warning 3 = Alarm
Master Unit Communication Lost - Event Control	MultiState_Value	154	5133	RW	1 = disabled 2 = enabled
Master Unit Communication Lost - Event Type	MultiState_Value	155	5134	RD	1 = Message 2 = Warning 3 = Alarm
Service Required - Event Control	MultiState_Value	156	4727	RW	1 = disabled 2 = enabled
Service Required - Event Type	MultiState_Value	157	4728	RW	1 = Message 2 = Warning 3 = Alarm
Shutdown - Loss Of Power - Event Control	MultiState_Value	158	4715	RD	1 = disabled 2 = enabled
Shutdown - Loss Of Power - Event Type	MultiState_Value	159	4716	RW	1 = Message 2 = Warning



					3 = Alarm
Smoke Detected - Event Control	MultiState_Value	160	4721	RW	1 = disabled 2 = enabled
Smoke Detected - Event Type	MultiState_Value	161	4722	RW	1 = Message 2 = Warning 3 = Alarm
Water Under Floor - Event Control	MultiState_Value	162	4724	RW	1 = disabled 2 = enabled
Water Under Floor - Event Type	MultiState_Value	163	4725	RW	1 = Message 2 = Warning 3 = Alarm
Ext Compressor Lockout - Event Control	MultiState_Value	164	5088	RW	1 = disabled 2 = enabled
Ext Compressor Lockout - Event Type	MultiState_Value	165	5089	RW	1 = Message 2 = Warning 3 = Alarm
Clogged Air Filter - Event Control	MultiState_Value	166	5135	RW	1 = disabled 2 = enabled
Clogged Air Filter - Event Type	MultiState_Value	167	5136	RW	1 = Message 2 = Warning 3 = Alarm
Ext Loss of Air Blower - Event Control	MultiState_Value	168	5393	RW	1 = disabled 2 = enabled
Ext Loss of Air Blower - Event Type	MultiState_Value	169	5394	RW	1 = Message 2 = Warning 3 = Alarm

#### System Event Configuration - Fan

Data Label	Object Type	Instance	Object Name	Access	Notes
Fan Hours Exceeded - Event Control	MultiState_Value	180	5409	RW	1 = disabled 2 = enabled
Fan Hours Exceeded - Event Type	MultiState_Value	181	5410	RD	1 = Message 2 = Warning 3 = Alarm
Fan Issue - Event Control	MultiState_Value	182	4730	RW	1 = disabled 2 = enabled
Fan Issue - Event Type	MultiState_Value	183	4731	RW	1 = Message 2 = Warning 3 = Alarm
Main Fan Overload - Event Control	MultiState_Value	184	5411	RW	1 = disabled 2 = enabled
Main Fan Overload - Event Type	MultiState_Value	185	5412	RW	1 = Message

					2 = Warning 3 = Alarm
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### System Event Configuration - Air

Data Label	Object Type	Instance	Object Name	Access	Notes
Ext Air Sensor A Event Control	MultiState_Value	196	5401	RW	1 = disabled 2 = enabled
Return Air Sensor Event Control	MultiState_Value	197	5402	RW	1 = disabled 2 = enabled
Ext Air Sensor A High Humidity - Event Control	MultiState_Value	198	5403	RW	1 = disabled 2 = enabled
Ext Air Sensor A High Humidity - Event Type	MultiState_Value	199	5404	RD	1 = Message 2 = Warning 3 = Alarm
Ext Air Sensor A Low Humidity - Event Control	MultiState_Value	200	5405	RW	1 = disabled 2 = enabled
Ext Air Sensor A Low Humidity - Event Type	MultiState_Value	201	5406	RD	1 = Message 2 = Warning 3 = Alarm
Ext Air Sensor A Over Temp - Event Control	MultiState_Value	202	4602	RW	1 = disabled 2 = enabled
Ext Air Sensor A Over Temp - Event Type	MultiState_Value	203	4603	RD	1 = Message 2 = Warning 3 = Alarm
Ext Air Sensor A Under Temp - Event Control	MultiState_Value	204	4609	RW	1 = disabled 2 = enabled
Ext Air Sensor A Under Temp - Event Type	MultiState_Value	205	4610	RD	1 = Message 2 = Warning 3 = Alarm
High Return Humidity - Event Control	MultiState_Value	206	5137	RW	1 = disabled 2 = enabled
High Return Humidity - Event Type	MultiState_Value	207	5138	RD	1 = Message 2 = Warning 3 = Alarm
Low Return Humidity - Event Control	MultiState_Value	208	5139	RW	1 = disabled 2 = enabled
Low Return Humidity - Event Type	MultiState_Value	209	5140	RD	1 = Message 2 = Warning 3 = Alarm
Return Air Over Temp - Event Control	MultiState_Value	210	5024	RW	1 = disabled 2 = enabled
Return Air Over Temp - Event Type	MultiState_Value	211	5025	RD	1 = Message

					2 = Warning 3 = Alarm
Return Air Under Temp - Event Control	MultiState_Value	212	5407	RW	1 = disabled 2 = enabled
Return Air Under Temp - Event Type	MultiState_Value	213	5408	RD	1 = Message 2 = Warning 3 = Alarm

### System Event Configuration - Compressor 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Compressor High Head Pressure - Event Control	MultiState_Value	224	5316_1	RW	1 = disabled 2 = enabled
Compressor High Head Pressure - Event Type	MultiState_Value	225	5317_1	RW	1 = Message 2 = Warning 3 = Alarm
Compressor Low Suction Pressure - Event Control	MultiState_Value	226	5318_1	RW	1 = disabled 2 = enabled
Compressor Low Suction Pressure - Event Type	MultiState_Value	227	5319_1	RW	1 = Message 2 = Warning 3 = Alarm
Compressor Pump Down Issue - Event Control	MultiState_Value	228	5395_1	RW	1 = disabled 2 = enabled
Compressor Pump Down Issue - Event Type	MultiState_Value	229	5396_1	RW	1 = Message 2 = Warning 3 = Alarm
Compressor Short Cycle - Event Control	MultiState_Value	230	5397_1	RW	1 = disabled 2 = enabled
Compressor Short Cycle - Event Type	MultiState_Value	231	5398_1	RW	1 = Message 2 = Warning 3 = Alarm
Compressor Thermal Overload - Event Control	MultiState_Value	232	5320_1	RW	1 = disabled 2 = enabled
Compressor Thermal Overload - Event Type	MultiState_Value	233	5321_1	RW	1 = Message 2 = Warning 3 = Alarm
Dig Scroll Comp Discharge Over Temp - Event Ctrl	MultiState_Value	234	5399_1	RW	1 = disabled 2 = enabled
Dig Scroll Comp Discharge Over Temp - Event Type	MultiState_Value	235	5400_1	RW	1 = Message 2 = Warning 3 = Alarm

### System Event Configuration - Compressor 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Compressor High Head Pressure - Event Control	MultiState_Value	246	5316_2	RW	1 = disabled 2 = enabled
Compressor High Head Pressure - Event Type	MultiState_Value	247	5317_2	RW	1 = Message 2 = Warning 3 = Alarm
Compressor Low Suction Pressure - Event Control	MultiState_Value	248	5318_2	RW	1 = disabled 2 = enabled
Compressor Low Suction Pressure - Event Type	MultiState_Value	249	5319_2	RW	1 = Message 2 = Warning 3 = Alarm
Compressor Pump Down Issue - Event Control	MultiState_Value	250	5395_2	RW	1 = disabled 2 = enabled
Compressor Pump Down Issue - Event Type	MultiState_Value	251	5396_2	RW	1 = Message 2 = Warning 3 = Alarm
Compressor Short Cycle - Event Control	MultiState_Value	252	5397_2	RW	1 = disabled 2 = enabled
Compressor Short Cycle - Event Type	MultiState_Value	253	5398_2	RW	1 = Message 2 = Warning 3 = Alarm
Compressor Thermal Overload - Event Control	MultiState_Value	254	5320_2	RW	1 = disabled 2 = enabled
Compressor Thermal Overload - Event Type	MultiState_Value	255	5321_2	RW	1 = Message 2 = Warning 3 = Alarm
Dig Scroll Comp Discharge Over Temp - Event Ctrl	MultiState_Value	256	5399_2	RW	1 = disabled 2 = enabled
Dig Scroll Comp Discharge Over Temp - Event Type	MultiState_Value	257	5400_2	RW	1 = Message 2 = Warning 3 = Alarm

#### System Event Configuration - Condenser 1

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Issue - Event Control	MultiState_Value	268	5413_1	RW	1 = disabled 2 = enabled
Condenser Issue - Event Type	MultiState_Value	269	5414_1	RW	1 = Message 2 = Warning 3 = Alarm

#### System Event Configuration - Condenser 2

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Issue - Event Control	MultiState_Value	280	5413_2	RW	1 = disabled 2 = enabled
Condenser Issue - Event Type	MultiState_Value	281	5414_2	RW	1 = Message 2 = Warning 3 = Alarm

### System Events

Data Label	Object Type	Instance	Object Name	Access	Notes
System Event Acknowledge/Reset	MultiState_Value	292	4717	WO	1 = Reset 2 = Acknowledge

### Global Condenser

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Refrigerant Type	MultiState_Value	303	5533	RD	1 = R22 2 = R407C 3 = R410A

### Global Condenser - Low Noise Mode

Data Label	Object Type	Instance	Object Name	Access	Notes
Condenser Low Noise Mode State	MultiState_Value	314	5546	RD	1 = Inactive 2 = Active (Interval) 3 = Active (Full Day)
Condenser Low Noise Mode Schedule Control	MultiState_Value	315	5547	RW	1 = disabled 2 = enabled

## Glossary

Data Label	Data Description
Air Temperature Control Integration Time	Time value used when system is under integral air temperature control.
Air Temperature Control Type	Type of algorithm used to control the system's output air temperature.
Air Temperature Dead Band	Value that is divided evenly to form a temperature range above and below [Air Temperature Set Point]. If measured air temperature is within this range, no heating or cooling will occur.
Air Temperature Proportional Band	Value that is divided evenly to form proportional temperature control bands above and below [Air Temperature Set Point].
Air Temperature Set Point	Desired air temperature.
Ambient Air Sensor Issue	Ambient air sensor is disconnected or the signal is out of range.
Analog Input Reading	Generic analog input reading (unitless).
Auto Restart Delay	If power is lost, the control will delay this amount of time after power is restored before restarting the unit.

BMS Communications Timeout	Building Management System (or external monitoring system) has not communicated with the system within the expected timeframe.
BMS Timeout Period	Timeframe within which the Building Management System (or external monitoring system) must communicate with the system to avoid a timeout.
Calculated Next Maintenance Month	Calculated month of the next scheduled maintenance. Used in conjunction with [Calculated Next Maintenance Year].
Calculated Next Maintenance Year	Calculated year of the next scheduled maintenance. Used in conjunction with [Calculated Next Maintenance Month].
Chilled Water Control Valve Position	Chilled water valve out of position. Chilled water control valve position does not match expected value.
Clogged Air Filter - Event Control	Enable/disable the activation of the [Clogged Air Filter] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Clogged Air Filter - Event Type	The event type for the [Clogged Air Filter] event.
Clogged Air Filter	Air filter is dirty and needs to be (cleaned or) replaced.
Compressor Capacity Control State	Compressor capacity control state. When 'ON', the cooling capacity of the compressor has been reduced.
Compressor Capacity Reduced	Compressor capacity has been reduced.
Compressor High Head Pressure - Event Control	Enable/disable the activation of the [Compressor High Head Pressure] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Compressor High Head Pressure - Event Type	The event type for the [Compressor High Head Pressure] event.
Compressor High Head Pressure	Compressor is shut down due to high head pressure.
Compressor High Pressure Transducer Issue	Compressor high pressure transducer is disconnected or the signal is out of range.
Compressor Hours Exceeded	[Compressor Hours] has exceeded [Compressor Hours Threshold].
Compressor Hours Threshold	Threshold value used in the [Compressor Hours Exceeded] event.
Compressor Hours	Operating hours for compressor since last reset of this value.
Compressor Low Pressure Transducer Issue	Compressor low pressure transducer is disconnected or the signal is out of range.
Compressor Low Suction Pressure - Event Control	Enable/disable the activation of the [Compressor Low Suction Pressure] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Compressor Low Suction Pressure - Event Type	The event type for the [Compressor Low Suction Pressure] event.
Compressor Low Suction Pressure	Compressor is shut down due to low suction pressure.
Compressor Pump Down Issue - Event Control	Enable/disable the activation of the [Compressor Pump Down Issue] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Compressor Pump Down Issue - Event Type	The event type for the [Compressor Pump Down Issue] event.
Compressor Pump Down Issue	Unable to pump down suction-side pressure during compressor shutdown.
Compressor Short Cycle - Event Control	Enable/disable the activation of the [Compressor Short Cycle] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Compressor Short Cycle - Event Type	The event type for the [Compressor Short Cycle] event.

Compressor Short Cycle	Compressor short cycle. A short cycle is defined as turning on and off a number of times over a set time period.
Compressor State	Compressor operational state.
Compressor Thermal Overload - Event Control	Enable/disable the activation of the [Compressor Thermal Overload] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Compressor Thermal Overload - Event Type	The event type for the [Compressor Thermal Overload] event.
Compressor Thermal Overload	Compressor is shut down due to thermal overload.
Compressor Utilization	Present compressor utilization expressed as a percentage of the maximum rated capacity.
Condenser Communication Lost	Communication with condenser unit has been lost.
Condenser Control Board Issue	The condenser control board is reporting an issue.
Condenser Fan Issue	Condenser fan is not operating within its operational parameters.
Condenser Fan Power	Condenser fan's measured input power.
Condenser Fan Speed	Condenser fan speed expressed as a percentage of the maximum rated speed.
Condenser Issue - Event Control	Enable/disable the activation of the [Condenser Issue] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Condenser Issue - Event Type	The event type for the [Condenser Issue] event.
Condenser Issue	Condenser is not operating within its operational parameters.
Condenser Low Noise Mode - Full Days	Days of the week selected for low noise mode full day scheduling.
Condenser Low Noise Mode - Interval Days	Days of the week selected for low noise mode interval scheduling.
Condenser Low Noise Mode Max Fan Speed	Maximum fan speed when condenser is placed in low noise mode.
Condenser Low Noise Mode Schedule Control	Enable/disable scheduled control of condenser low noise mode.
Condenser Low Noise Mode Start Time	The time of day at which the condenser will transition into low noise mode.
Condenser Low Noise Mode State	State of condenser low noise mode scheduler control.
Condenser Low Noise Mode Stop Time	The time of day at which the condenser will transition out of low noise mode.
Condenser Max Fan Speed Override	Fan speed exceeding the maximum set point in order to alleviate a high temperature or pressure condition.
Condenser Normal Mode Max Fan Speed	Maximum fan speed when condenser is not in low noise mode.
Condenser Outside Air Temp Out of Operating Range	[Condenser Outside Air Temperature] is either above an upper threshold or below a lower threshold.
Condenser Outside Air Temp Sensor Issue	Condenser outside air temperature sensor is disconnected or the signal is out of range.
Condenser Outside Air Temperature	Condenser ambient outside air temperature.
Condenser Refrigerant Pressure Over Threshold	Condenser refrigerant pressure has exceeded a threshold.
Condenser Refrigerant Pressure Sensor Issue	Condenser refrigerant pressure sensor is disconnected or the signal is out of range.

Condenser Refrigerant Pressure Under Threshold	Condenser refrigerant pressure has dropped below a threshold.
Condenser Refrigerant Type	Condenser refrigerant type.
Condenser Supply Refrigerant Over Temp	Condenser supply refrigerant temperature has exceeded a threshold.
Condenser Supply Refrigerant Temp Sensor Issue	Condenser supply refrigerant temperature sensor is disconnected or the signal is out of range.
Condenser Supply Refrigerant Under Temp	Condenser supply refrigerant temperature has dropped below a specified threshold.
Condenser TVSS Issue	The condenser Transient Voltage Surge Suppressor device has failed.
Condenser VFD Issue	The condenser fan Variable Frequency Drive is offline.
Cooling State	Cooling operational state.
Customer Input 1 - Event Control	Enable/disable the activation of the [Customer Input 1] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Customer Input 1 - Event Type	The event type for the [Customer Input 1] event.
Customer Input 1	Customer Input 1
Customer Input 2 - Event Control	Enable/disable the activation of the [Customer Input 2] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Customer Input 2 - Event Type	The event type for the [Customer Input 2] event.
Customer Input 2	Customer Input 2
Customer Input 3 - Event Control	Enable/disable the activation of the [Customer Input 3] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Customer Input 3 - Event Type	The event type for the [Customer Input 3] event.
Customer Input 3	Customer Input 3
Customer Input 4 - Event Control	Enable/disable the activation of the [Customer Input 4] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Customer Input 4 - Event Type	The event type for the [Customer Input 4] event.
Customer Input 4	Customer Input 4
Dehumidifier Hours Exceeded	Operating hours for the dehumidifier have exceeded the threshold.
Dehumidifier Hours Threshold	Threshold value used in the [Dehumidifier Hours Exceeded] event.
Dehumidifier Hours	Operating hours for dehumidifier since last reset of this value.
Dehumidifier State	Dehumidifier operational state.
Dehumidifier Utilization	Present dehumidifier utilization expressed as a percentage of the maximum rated capacity.
Dig Scroll Comp Discharge Over Temp - Event Ctrl	Enable/disable the activation of the [Dig Scroll Comp Discharge Over Temp] event.
Dig Scroll Comp Discharge Over Temp - Event Type	The event type for the [Dig Scroll Comp Discharge Over Temp] event.
Dig Scroll Comp Discharge Temp Sensor Issue	Digital scroll compressor discharge temperature sensor is disconnected or the signal is out of range.
Dig Scroll Comp Discharge Temp	Digital scroll compressor discharge temperature.
Dig Scroll Comp Over Temp	Digital scroll compressor is shut down due to head temperature exceeding an upper threshold.



Digital Output Board Not Detected	Digital output board is required to be connected, but no signal is detected.
Electric Reheat State	Electric reheater operational state.
Electric Reheater Hours Exceeded	[Electric Reheater Hours] has exceeded [Electric Reheaters Hours Threshold].
Electric Reheater Hours Threshold	Threshold value used in the [Electric Reheater Hours Exceeded] event.
Electric Reheater Hours	Operating hours for electric reheater since last reset of this value.
Ext Air Sensor A Event Control	Enable/disable the activation of events related to measurements by the external air sensor A.
Ext Air Sensor A High Humidity - Event Control	Enable/disable the activation of the [Ext Air Sensor A High Humidity] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Air Sensor A High Humidity - Event Type	The event type for the [Ext Air Sensor A High Humidity] event.
Ext Air Sensor A High Humidity Threshold	Threshold value used in the [External Air Sensor A High Humidity] event.
Ext Air Sensor A High Humidity	[Ext Air Sensor A Humidity] has exceeded [Ext Air Sensor A High Humidity Threshold].
Ext Air Sensor A Humidity	Relative humidity as measured by external air sensor A.
Ext Air Sensor A Issue	The external air sensor A is disconnected or the signal is out of range.
Ext Air Sensor A Low Humidity - Event Control	Enable/disable the activation of the [Ext Air Sensor A Low Humidity] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Air Sensor A Low Humidity - Event Type	The event type for the [Ext Air Sensor A Low Humidity] event.
Ext Air Sensor A Low Humidity Threshold	Threshold value used in the [External Air Sensor A Low Humidity] event.
Ext Air Sensor A Low Humidity	[Ext Air Sensor A Humidity] has dropped below [Ext Air Sensor A Low Humidity Threshold].
Ext Air Sensor A Over Temp - Event Control	Enable/disable the activation of the [External Air Sensor A Over Temperature] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Air Sensor A Over Temp - Event Type	The event type for the [External Air Sensor A Over Temperature] event.
Ext Air Sensor A Over Temp Threshold	Threshold value used in the [External Air Sensor A Over Temperature] event.
Ext Air Sensor A Over Temperature	[Ext Air Sensor A Temperature] has exceeded [External Air Sensor A Over Temp Threshold].
Ext Air Sensor A Temperature	Air temperature as measured by external air sensor A.
Ext Air Sensor A Under Temp - Event Control	Enable/disable the activation of the [Ext Air Sensor A Under Temperature] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Air Sensor A Under Temp - Event Type	The event type for the [Ext Air Sensor A Under Temperature] event.
Ext Air Sensor A Under Temp Threshold	Threshold value used in the [External Air Sensor A Under Temperature] event.
Ext Air Sensor A Under Temperature	[Ext Air Sensor A Temperature] has dropped below [Ext Air Sensor A Under Temp Threshold].
Ext Air Sensor B Humidity	Relative humidity as measured by external air sensor B.
Ext Air Sensor B Temperature	Air temperature as measured by external air sensor B.
Ext Air Sensor C Humidity	Relative humidity as measured by external air sensor C.
Ext Air Sensor C Temperature	Air temperature as measured by external air sensor C.
Ext Compressor Lockout - Event	Enable/disable the activation of the [Ext Compressor Lockout] event. If set to 'disabled', the

Control	event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Compressor Lockout - Event Type	The event type for the [Ext Compressor Lockout] event.
Ext Compressor Lockout	The compressor is shut down and disabled by an external input signal.
Ext Condenser Pump High Water - Event Control	Enable/disable the activation of the [Ext Condenser Pump High Water] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Condenser Pump High Water - Event Type	The event type for the [Ext Condenser Pump High Water] event.
Ext Condenser Pump High Water	High water is detected in the condenser, as indicated by an external input signal.
Ext Free Cooling Lockout - Event Control	Enable/disable the activation of the [Ext Free Cooling Lockout] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Free Cooling Lockout - Event Type	The event type for the [Ext Free Cooling Lockout] event.
Ext Free Cooling Lockout	Free cooling is disabled by an external input signal.
Ext Humidifier Lockout - Event Control	Enable/disable the activation of the [Ext Humidifier Lockout] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Humidifier Lockout - Event Type	The event type for the [Ext Humidifier Lockout] event.
Ext Humidifier Lockout	The humidifier is shut down and disabled by an external input signal.
Ext Loss of Air Blower - Event Control	Enable/disable the activation of the [Ext Loss of Air Blower] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Loss of Air Blower - Event Type	The event type for the [Ext Loss of Air Blower] event.
Ext Loss of Air Blower	Loss of air blower is detected, as indicated by an external input signal.
Ext Loss of Flow - Event Control	Enable/disable the activation of the [Ext Loss of Flow] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Loss of Flow - Event Type	The event type for the [Ext Loss of Flow] event.
Ext Loss of Flow	Loss of flow is detected, as indicated by an external input signal.
Ext Over Temperature - Event Control	Enable/disable the activation of the [Ext Over Temperature] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Over Temperature - Event Type	The event type for the [Ext Over Temperature] event.
Ext Over Temperature	A temperature has exceeded its threshold, as indicated by an external input signal.
Ext Reheat Lockout - Event Control	Enable/disable the activation of the [Ext Reheat Lockout] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Reheat Lockout - Event Type	The event type for the [Ext Reheat Lockout] event.
Ext Reheat Lockout	The reheater is shut down and disabled by an external input signal.
Ext Standby Glycol Pump On - Event Control	Enable/disable the activation of the [Ext Standby Glycol Pump On] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Standby Glycol Pump On - Event Type	The event type for the [Ext Standby Glycol Pump On] event.
Ext Standby Glycol Pump On	The standby glycol pump is on, as indicated by an external input signal.
Ext Standby Unit On - Event Control	Enable/disable the activation of the [Ext Standby Unit On] event. If set to 'disabled', the event

	will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Ext Standby Unit On - Event Type	The event type for the [Ext Standby Unit On] event.
Ext Standby Unit On	Standby unit is on, as indicated by an external input signal.
External Fire Detected	Fire detected, as indicated by an external input signal.
Fan Control Mode	Fan control mode.
Fan Hours Exceeded - Event Control	Enable/disable the activation of the [Fan Hours Exceeded] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Fan Hours Exceeded - Event Type	The event type for the [Fan Hours Exceeded] event.
Fan Hours Exceeded	Operating hours for the unit blower fan have exceeded the threshold.
Fan Hours Threshold	Threshold value used in the [Fan Hours Exceeded] event.
Fan Hours	Operating hours for fan since last reset of this value.
Fan Issue - Event Control	Enable/disable the activation of the [Fan Issue] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Fan Issue - Event Type	The event type for the [Fan Issue] event.
Fan Issue	One or more fans are not operating within their operational parameters.
Fan Speed Maximum Set Point	Maximum fan speed.
Fan Speed	Fan speed expressed as a percentage of the maximum rated speed.
Fan State	Fan operational state.
Free Cooling Fluid Temperature	Free cooling fluid temperature.
Free Cooling Internal Control Mode	Free cooling internal control mode
Free Cooling Internal Temperature Delta	Minimum temperature delta required between supply fluid and internal ambient air temperatures in order to enable free cooling.
Free Cooling State	Free cooling operational state.
Free Cooling Status	Free cooling status.
Free Cooling Temp Sensor Issue	The free cooling fluid temperature sensor is disconnected or the signal is out of range.
Free Cooling Valve Hours Exceeded	[Free Cooling Valve Hours] has exceeded [Free Cooling Valve Hours Threshold].
Free Cooling Valve Hours Threshold	Threshold value used in the [Free Cooling Valve Hours Exceeded] event.
Free Cooling Valve Hours	Operating hours for free cooling valve since last reset of this value.
Free Cooling Valve Open Position	Free cooling valve open position.
High Power Shutdown - Event Control	Enable/disable the activation of the [High Power Shutdown] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
High Power Shutdown - Event Type	The event type for the [High Power Shutdown] event.
High Power Shutdown	Supply to high power components has been shutdown.
High Return Humidity - Event Control	Enable/disable the activation of the [High Return Humidity] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
High Return Humidity - Event Type	The event type for the [High Return Humidity] event.
High Return Humidity Threshold	Threshold value used in the [High Return Humidity] event.
High Return Humidity	[Return Humidity] has exceeded [High Return Humidity Threshold].

Hot Water / Hot Gas State	Hot water / hot gas operational state.
Hot Water / Hot Gas Valve Hours Exceeded	[Hot Water / Hot Gas Valve Hours] has exceeded [Hot Water / Hot Gas Valve Hours Threshold].
Hot Water / Hot Gas Valve Hours Threshold	Threshold value used in the [Hot Water / Hot Gas Valve Hours Exceeded] event.
Hot Water / Hot Gas Valve Hours	Operating hours for hot water / hot gas valve since last reset of this value.
Hot Water / Hot Gas Valve Open Position	Hot water / hot gas valve open position.
Humidifier Control Board Not Detected	Humidifier control board is required to be connected, but no signal is detected.
Humidifier Cylinder Worn	Humidifier cylinder is not operating properly and needs to be replaced.
Humidifier Hours Exceeded	Operating hours for the humidifier have exceeded the threshold.
Humidifier Hours Threshold	Threshold value used in the [Humidifier Hours Exceeded] event.
Humidifier Hours	Operating hours for humidifier since last reset of this value.
Humidifier Issue - Event Control	Enable/disable the activation of the [Humidifier Issue] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Humidifier Issue - Event Type	The event type for the [Humidifier Issue] event.
Humidifier Issue	Humidifier issue detected, causing it to be locked out.
Humidifier Low Water	The water level in the humidifier has dropped below its threshold.
Humidifier Over Current	The electrical current to the humidifier has exceeded its upper threshold.
Humidifier State	Humidifier operational state.
Humidifier Under Current	The electrical current to the humidifier has dropped below its lower threshold.
Humidifier Utilization	Present humidifier utilization expressed as a percentage of the maximum rated capacity.
Humidity Dead Band	Value that is divided evenly to form a range above and below [Humidity Set Point]. If measured humidity is within this range, no humidification or dehumidification will occur.
Humidity Proportional Band	Value that is divided evenly to form proportional humidity control bands above and below [Humidity Set Point].
Humidity Proportional Control Integration Time	Time value used to add an integral term to proportional humidity control. If set to 0, time will not be a factor in the proportional control algorithm.
Humidity Proportional Control Type	Type of algorithm to use for proportional control of output humidity.
Humidity Set Point	Desired relative humidity.
Infrared Humidifier Flush Rate	A multiple of an internal time constant that determines the flush duration of the infrared humidifier water pan.
Loss of Air Flow	No air flow through the unit due to failure of all fans.
Low Return Humidity - Event Control	Enable/disable the activation of the [Low Return Humidity] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Low Return Humidity - Event Type	The event type for the [Low Return Humidity] event.
Low Return Humidity Threshold	Threshold value used in the [Low Return Humidity] event.
Low Return Humidity	[Return Humidity] has dropped below [Low Return Humidity Threshold].
Main Fan Overload - Event Control	Enable/disable the activation of the [Main Fan Overload] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Main Fan Overload - Event Type	The event type for the [Main Fan Overload] event.

Main Fan Overload	Main fan is shut down due to thermal overload.
Maintenance Completed	Maintenance has been completed on the unit.
Maintenance Due	The calculated maintenance date has been reached.
Maintenance Ramp	The ratio of operations performed to the calculated operations available between maintenance intervals.
Maintenance Tracking State	Maintenance tracking operational state.
Master Unit Communication Lost - Event Control	Enable/disable the activation of the [Master Unit Communication Lost] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Master Unit Communication Lost - Event Type	The event type for the [Master Unit Communication Lost] event.
Master Unit Communication Lost	Communication with master unit has been lost.
Minimum Chilled Water Temp Set Point Enable	Enable/disable the activation of [Minimum Chilled Water Temp Set Point].
Minimum Chilled Water Temp Set Point	Minimum desired chilled water temperature.
RAM Battery Issue	RAM or RAM backup battery is not operating correctly.
Reheat Utilization	Present reheating utilization expressed as a percentage of the maximum rated capacity.
Reheater Over Temperature	The temperature of the reheater has exceeded its threshold.
Return Air Over Temp - Event Control	Enable/disable the activation of the [Return Air Over Temperature] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Return Air Over Temp - Event Type	The event type for the [Return Air Over Temperature] event.
Return Air Over Temp Threshold	Threshold value used in the [Return Air Over Temperature] event.
Return Air Over Temperature	[Return Air Temperature] has exceeded [Return Air Over Temp Threshold].
Return Air Sensor Event Control	Enable/disable the activation of events related to measurements by the return air sensor.
Return Air Sensor Issue	The air sensor at the inlet of the unit is disconnected or the signal is out of range.
Return Air Temperature Set Point	Desired air temperature at the inlet of the unit.
Return Air Temperature	The temperature of the inlet air
Return Air Under Temp - Event Control	Enable/disable the activation of the [Return Air Under Temperature] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Return Air Under Temp - Event Type	The event type for the [Return Air Under Temperature] event.
Return Air Under Temp Threshold	Threshold value used in the [Return Air Under Temperature] event.
Return Air Under Temperature	[Return Air Temperature] has dropped below [Return Air Under Temp Threshold].
Return Humidity Set Point	Desired relative humidity at the inlet of the unit.
Return Humidity	Relative humidity measured at the inlet of the unit.
Server Class	The general classification for this system
Service Required - Event Control	Enable/disable the activation of the [Service Required] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Service Required - Event Type	The event type for the [Service Required] event.
Service Required	Unit requires servicing.
Shutdown - Loss Of Power - Event	Enable/disable the activation of the [Shutdown - Loss Of Power] event. If set to 'disabled', the

Control	event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Shutdown - Loss Of Power - Event Type	The event type for the [Shutdown - Loss Of Power] event.
Shutdown - Loss Of Power	System lost power. This event becomes active when the unit is powered on following an unexpected loss of power.
Smoke Detected - Event Control	Enable/disable the activation of the [Smoke Detected] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Smoke Detected - Event Type	The event type for the [Smoke Detected] event.
Smoke Detected	Smoke detected.
Supply Air Over Temperature	[Supply Air Temperature] has exceeded [Supply Air Over Temp Threshold].
Supply Air Sensor Issue	The air sensor at the outlet of the unit is disconnected or the signal is out of range.
Supply Air Temperature Sensor Control	Control mode to be used with the supply air temperature sensor.
Supply Air Temperature Set Point	Desired supply air temperature.
Supply Air Temperature	Air temperature measured at the outlet of the unit.
Supply Air Under Temperature	[Supply Air Temperature] has dropped below [Supply Air Under Temp Threshold].
Supply Chilled Water Loss of Flow	Supply chilled water flow is too low.
Supply Chilled Water Over Temp	[Supply Chilled Water Temperature] has exceeded [Supply Chilled Water Over Temp Threshold].
System Control Mode	System control mode.
System Date and Time	The system date and time
System Event Acknowledge/Reset	Reset and/or acknowledge all events.
System On/Off Control	Turn system functionality on or off.
System Operating State Reason	The reason the system is in the current operating state.
System Operating State	Current operating state of the system.
System Status	The operating status for the system
Today's High Air Temperature Time	[Today's High Air Temperature] was measured at this time.
Today's High Air Temperature	The highest external air temperature measured since midnight.
Today's High Humidity Time	[Today's High Humidity] was measured at this time
Today's High Humidity	The highest external humidity measured since midnight.
Today's Low Air Temperature Time	[Today's Low Air Temperature] was measured at this time.
Today's Low Air Temperature	The lowest external air temperature measured since midnight.
Today's Low Humidity Time	[Today's Low Humidity] was measured at this time
Today's Low Humidity	The lowest external humidity measured since midnight.
Unit Code Missing	Unit code has not been entered and saved.
Unit Communication Lost	Master has lost communication with one or more networked units.
Unit Off	Unit was turned off.
Unit On	Unit was turned on.
Unit Partial Shutdown	An event has occurred requiring some system components to be shutdown and disabled.
Unit Shutdown	An event has occurred requiring the unit to be shutdown and disabled to prevent damage to the system.

Unit Standby	Unit was placed in standby mode.
Water Leakage Detector Sensor Issue	The water leakage detector sensor is disconnected or the signal is out of range.
Water Under Floor - Event Control	Enable/disable the activation of the [Water Under Floor] event. If set to 'disabled', the event will not be annunciated. This implies that the event will not be placed in any active event list or in any event history list.
Water Under Floor - Event Type	The event type for the [Water Under Floor] event.
Water Under Floor	Water under the floor is detected.

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