



Document Name

BACNET POINTS LIST

Unit Type

Standard SA Dehumidifiers Program Version 2.x.x

#	DESCRIPTION	TYPE	R/W STATUS	UNITS*	COMMENTS
1	Suction Pressure	AV	READ ONLY	PSIG	Linear from 0.0 to 250.0 psig.
2	Discharge Pressure	AV	READ ONLY	PSIG	Linear from 0.0 to 650.0 psig.
3	Zone Air Relative Humidity	AV	READ ONLY	%	Linear from 0.0 to 100.0 %.
4	Zone Air Temperature	AV	READ ONLY	°F	Linear from -42.0 to 137.0 °F.
5	Supply Air Temperature	AV	READ ONLY	°F	Linear from -58.0 to 212.0 °F.
6	Suction Pressure Circuit B	AV	READ ONLY	PSIG	Linear from 0.0 to 250.0 psig.
7	Discharge Pressure Circuit B	AV	READ ONLY	PSIG	Linear from 0.0 to 650.0 psig.
8	Pool 1 Water Temperature	AV	READ ONLY	°F	Linear from -42.0 to 137.0 °F.
9	Pool 2 Water Temperature	AV	READ ONLY	°F	Linear from -42.0 to 137.0 °F.
10	Evap. Bypass Dmpr Command	AV	READ ONLY	%	Linear from 0.0 to 100.0 %.
11	Outside Air Dmpr Command	AV	READ ONLY	%	Linear from 0.0 to 100.0 %.
12	Auxiliary Air Heat Command	AV	READ ONLY	%	Linear from 0.0 to 100.0 %.
13	Exhaust Blower Command	AV	READ ONLY	%	Linear from 0.0 to 100.0 %.
14	Low Exhaust Blower Command	AV	READ ONLY	%	Linear from 0.0 to 100.0 %.
15	Zone Air RH Setpoint	AV	READ/ WRITE	%	Settable from 0.0 to 100.0 %.
16	Zone Air Temperature Setpoint	AV	READ/ WRITE	°F	Settable from 65.0 to 99.9 °F.
17	Pool 1 Temperature Setpoint	AV	READ/ WRITE	°F	Settable from 70.0 to 104.0 °F.
18	Pool 2 Temperature Setpoint	AV	READ/ WRITE	°F	Settable from 70.0 to 104.0 °F.
19	Outdoor Air Relative Humidity	AV	READ ONLY	%	Linear from 0.0 to 100.0 %.
20	Outdoor Air Temperature	AV	READ ONLY	°F	Linear from -42.0 to 137.0 °F.

#	DESCRIPTION	TYPE	R/W STATUS	UNITS*	COMMENTS
1	Unit Status	INT	READ ONLY		0=Satisfied/Off, 1=Heating, 2=Cooling, 3=Dehumidifying, 4=Dehum/Heat, 5=Dehum/Cool, 6=Low Air Flow, 7=EER Init.
2	Alarm Code	INT	READ ONLY		Alarm code. See table at end of list.
3	Supply Air Pressure Drop	INT	READ ONLY	In. WC	Linear from 0 to 2000 inches of wc, in thousandths.
4	Evaporator Air Press. Drop	INT	READ ONLY	In. WC	Linear from 0 to 2000 inches of wc, in thousandths.
5	Outdoor Air Pressure Drop	INT	READ ONLY	In. WC	Linear from 0 to 2000 inches of wc, in thousandths.
6	Zone Air Pressure Drop	INT	READ ONLY	In. WC	Linear from 0 to 2000 inches of wc, in thousandths.
7	VOC Sensor	INT	READ ONLY	PPM	Linear from 0 to 2000 ppm of volatile organic compounds.



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#	DESCRIPTION	TYPE	R/W STATUS	UNITS	COMMENTS
1	Supply Fan	DGT	READ ONLY		Confirmation of Supply Fan, 0 = Off, 1 = On.
2	Exhaust Fan	DGT	READ ONLY		Confirmation of Exhaust Fan, 0 = Off, 1 = On.
3	Compressor A	DGT	READ ONLY		Confirmation of Compressor A, 0 = Off, 1 = On.
4	Compressor B	DGT	READ ONLY		Confirmation of Compressor B, 0 = Off, 1 = On.
5	Air Flow	DGT	READ ONLY		Confirmation of Air Flow. 0 = No Flow, 1 = Flow.
6	Alarm Active	DGT	READ ONLY		Confirmation of Alarm Status. 0 = Alarm, 1 = Normal.
7	Auxiliary Air Heat Required	DGT	READ ONLY		Confirmation of Aux. Heat, 0 = Not Required, 1 = Required.
8	Auxiliary Pool 1 Heat Required	DGT	READ ONLY		Confirmation of Aux. Heat, 0 = Not Required, 1 = Required.
9	Auxiliary Pool 2 Heat Required	DGT	READ ONLY		Confirmation of Aux. Heat, 0 = Not Required, 1 = Required.
10	Pool1 Water Flow	DGT	READ ONLY		Confirmation of Pool Water Flow. 0 = No Flow, 1 = Flow.
11	Pool2 Water Flow	DGT	READ ONLY		Confirmation of Pool Water Flow. 0 = No Flow, 1 = Flow.
12	Tower 1 Water Flow	DGT	READ ONLY		Confirmation of Tower Water Flow. 0 = No Flow, 1 = Flow.
13	Tower 2 Water Flow	DGT	READ ONLY		Confirmation of Tower Water Flow. 0 = No Flow, 1 = Flow.
14	Occupied	DGT	READ ONLY		Occupied Status. 0 = Un-occupied, 1 = Occupied.
15	Event Mode	DGT	READ ONLY		Event Mode Status. 0 = Normal, 1 = Event.
16	Purge Mode	DGT	READ ONLY		Purge Mode Status. 0 = Normal, 1 = Purging.
17	Unit Off	DGT	READ ONLY		Confirmation of Unit Status. 0 = Unit On, 1 = Unit Off.
18	Network Occupancy Command	DGT	READ/ WRITE		Write 1 to Occupy, 0 to Un-Occupy.
19	Network Event Command	DGT	READ/ WRITE		Write 1 for Event Mode, 0 for Normal Mode.
20	Network Purge Command	DGT	READ/ WRITE		Write 1 for Purge mode, 0 for Normal Mode.
21	Network Unit Off Command	DGT	READ/ WRITE		Write 1 to set Unit to Off, 0 to set Unit to On.
22	Remote Reset	DGT	READ/ WRITE		Write 1 to Reset. 0 is set after a program scan.
23	Network Max OA Command	DGT	READ/ WRITE		Write 1 to Force Max OA condition.
24	Movable Roof / Wall Switch	DGT	READ/ WRITE		Set 1 when roof or wall is open. Set to 0 when closed.

* Imperial units shown. Refrigerant pressures can be set for psig, bar or kilopascals. Temperatures can be set for °F or °C. Air pressure can be set for In. Water Column or Pascal. The reading is in thousandths only when In. Water Column is set. For example, a reading of 1234 would be 1.234 "wc. When set for Pascal, a reading of 123 would be 123 Pa.



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CODE	ALARM DESCRIPTION
1	Low Suction Pressure A
2	Low Suction Pressure B
3	High Discharge Pressure A
4	High Discharge Pressure B
5	Supply Air Sensor Failure
6	Zone Air Sensor Failure
7	Supply Fan Overload
8	Compressor Circuit A Overload
9	Compressor Circuit B Overload
10	System Shutdown
11	Low Supply Air Temperature
12	Exhaust Fan Overload
13	Low Voltage Alarm
14	Low Air Flow Alarm
15	Freeze 'Stat Alarm
16	Low Exhaust Fan Overload

Revision (Rev.) History

Rev.	Description	Date	Initials	ECN #
00	Initial Release	10/31/2014	MTW	2401
01	Added DGT 24, Roof or Wall Switch	12/19/2016	MTW	10200