



Document Name

LON POINTS LIST

Unit Type

Standard SA Dehumidifiers Program Version 2.x.x

DESCRIPTION	TYPE	SNVT	Dir	UNITS	COMMENTS
Suction Pressure Circuit A	AV	8	Out	Bar	Linear from 0 to 1720 kPascals.
Discharge Pressure Circuit A	AV	8	Out	Bar	Linear from 0 to 4480 kPascals.
Zone Air Relative Humidity	AV	81	Out	%	Linear from 0.0 to 100.0 %.
Zone Air Temperature	AV	105	Out	°C	Linear from -50.0 to 100.0 °C.
Supply Air Temperature	AV	105	Out	°C	Linear from -50.0 to 100.0 °C.
Suction Pressure Circuit B	AV	8	Out	Bar	Linear from 0 to 1720 kPascals.
Discharge Pressure Circuit B	AV	8	Out	Bar	Linear from 0 to 4480 kPascals.
Pool 1 Temperature	AV	105	Out	°C	Linear from -50.0 to 100.0 °C.
Pool 2 Temperature	AV	105	Out	°C	Linear from -50.0 to 100.0 °C.
Evap Bypass Damper Position	AV	81	Out	%	Linear from 0.0 to 100.0 %.
Outside Air Damper Position	AV	81	Out	%	Linear from 0.0 to 100.0 %.
Auxiliary Heat Command	AV	81	Out	%	Linear from 0.0 to 100.0 %.
Exhaust Blower VFD Command	AV	81	Out	%	Linear from 0.0 to 100.0 %.
Low Exhaust VFD Command	AV	81	Out	%	Linear from 0.0 to 100.0 %.
Zone Humidity Setpoint	AV	81	In	%	Settable from 0.0 to 99.9 %.
Zone Temperature Setpoint	AV	105	In	°C	Settable from 18.3 to 37.7 °C.
Pool 1 Heat Setpoint	AV	105	In	°C	Settable from 21.1 to 40.0 °C.
Pool 2 Heat Setpoint	AV	105	In	°C	Settable from 21.1 to 40.0 °C.
Outdoor Air Relative Humidity	AV	81	Out	%	Linear from 0.0 to 100.0 %.
Outdoor Air Temperature	AV	105	Out	°C	Linear from -50.0 to 100.0 °C.

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Unit Status	INT	8	Out		0=Satisfied/Off, 1=Heating, 2=Cooling, 3=Dehumidifying, 4=Dehum/Heat, 5=Dehum/Cool, 6=Low Air Flow, 7=EXV Init.
Alarm Code	INT	8	Out		Alarm code. See table at end of list.
Supply Air Pressure Drop	INT	8	Out	Pa	Linear from 0 to 498 Pascal.
Evaporator Air Pressure Drop	INT	8	Out	Pa	Linear from 0 to 498 Pascal.
Outdoor Air Pressure Drop	INT	8	Out	Pa	Linear from 0 to 498 Pascal.
Zone Air Pressure Drop	INT	8	Out	Pa	Linear from 0 to 498 Pascal.
VOC	INT	29	Out	ppm	Linear from 0 to 2000 ppm.

DESCRIPTION	TYPE	SNVT	DIR	UNITS	COMMENTS
Supply Air Blower On	DGT	95	Out		Confirmation of Supply Blower, 0 = Off, 1 = On.
Exhaust Air Blower On	DGT	95	Out		Confirmation of Exhaust Blower, 0 = Off, 1 = On.
Compressor Circuit A On	DGT	95	Out		Confirmation of Compressor, 0 = Off, 1 = On.
Compressor Circuit B On	DGT	95	Out		Confirmation of Compressor, 0 = Off, 1 = On.
Air Flow	DGT	95	Out		Confirmation of Air Flow, 0 = Off, 1 = On.
Alarm Active	DGT	95	Out		Confirmation of Alarm Status, 0 = Alarm, 1 = Normal.
Air Heating Required	DGT	95	Out		Confirmation of Air Heat, 0 = Off, 1 = On.
Pool 1 Auxiliary Heat Required	DGT	95	Out		Confirmation of Pool Auxiliary Heat, 0 = Off, 1 = On.
Pool 2 Auxiliary Heat Required	DGT	95	Out		Confirmation of Pool Auxiliary Heat, 0 = Off, 1 = On.
Pool 1 Water Flow Switch	DGT	95	Out		Confirmation of Pool Water Flow, 0 = Off, 1 = On.



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DESCRIPTION	TYPE	SNVT	Dir	UNITS	COMMENTS
Pool 2 Water Flow Switch	DGT	95	Out		Confirmation of Pool Water Flow, 0 = Off, 1 = On.
Tower 1 Water Flow Switch	DGT	95	Out		Confirmation of Tower Water Flow, 0 = Off, 1 = On.
Tower 2 Water Flow Switch	DGT	95	Out		Confirmation of Tower Water Flow, 0 = Off, 1 = On.
Occupied	DGT	95	Out		Occupied Status. 0 = Un-Occupied, 1 = Occupied.
Event Mode On	DGT	95	Out		Indication of Event Mode. 0 = Event Off, 1 = Event On.
Purge Mode On	DGT	95	Out		Indication of Purge Mode. 0 = Purge Off, 1 = Purge On.
Unit Commanded Off	DGT	95	Out		Indication of Unit On/Off. 0 = Unit On, 1 = Unit Off.
Network Occupancy Command	DGT	95	In		0 = Set Un-Occupied, 1 = Set Occupancy.
Network Event Command	DGT	95	In		0 = Set Event Mode Off, 1 = Set Event Mode On.
Network Purge Command	DGT	95	In		0 = Set Purge Mode Off, 1 = Set Purge Mode On.
Network Off Command	DGT	95	In		0 = Set Unit On, 1 = Set Unit Off.
Network Alarm Reset	DGT	95	In		Write 1 to Reset. 0 is set after a program scan.
Network Max O/A Command	DGT	95	In		0 = Set Max O/A Mode Off, 1 = Set Max O/A Mode On.
Movable Roof or Wall Switch	DGT	95	In		Set 1 when roof / wall is open, Set to 0 when closed.

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

Revision (Rev.) History				
Rev.	Description	Date	Initials	ECN #
00	Initial Release	10/31/2014	MTW	2401
01	Added Movable Roof or Wall Switch.	12/19/2016	MTW	10200