#	Description	R/W Status	Comments
Analog Input 1	Suction Pressure A	Read Only	Linear from 0.0 to 250.0 psig / 0.0 to 17.3 bar.
Analog Input 2	Discharge Pressure A	Read Only	Linear from 0.0 to 650.0 psig / 0.0 to 45.0 bar.
Analog Input 3	Zone Air Relative Humidity	Read Only	Linear from 0.0 to 100.0 %.
Analog Input 4	Zone Air Temperature	Read Only	Linear from -40.0°F to 140.0°F / -40.0°C to 60.0°C.
Analog Input 5	Supply Air Temperature	Read Only	Linear from -40.0°F to 140.0°F / -40.0°C to 60.0°C.
Analog Input 6	Suction Pressure B	Read Only	Linear from 0.0 to 250.0 psig / 0.0 to 17.3 bar.
Analog Input 7	Discharge Pressure B	Read Only	Linear from 0.0 to 650.0 psig / 0.0 to 45.0 bar.
Analog Input 8	Pool 1 Inlet Temperature	Read Only	Linear from -40.0°F to 140.0°F / -40.0°C to 60.0°C.
Analog Input 9	Pool 2 Inlet Temperature	Read Only	Linear from -40.0°F to 140.0°F / -40.0°C to 60.0°C.
Analog Input 10	Pool 1 Outlet Temperature	Read Only	Linear from -40.0°F to 140.0°F / -40.0°C to 60.0°C.
Analog Input 11	Pool 2 Outlet Temperature	Read Only	Linear from -40.0°F to 140.0°F / -40.0°C to 60.0°C.
Analog Input 12	Supply Blower DP	Read Only	Linear from 0.0 to 25.0 “wc.
Analog Input 13	Exhaust Blower DP	Read Only	Linear from 0.0 to 25.0 “wc.
Analog Input 14	Evaporator DP	Read Only	Linear from 0.0 to 2.0 “wc.
Analog Input 15	Evaporator A DP	Read Only	Linear from 0.0 to 2.0 “wc.
Analog Input 16	Outdoor Air DP	Read Only	Linear from 0.0 to 2.0 “wc.
Analog Input 17	Zone Pressure DP	Read Only	Linear from -1.0 to 1.0 “wc.
Analog Input 18	VOC Sensor	Read Only	Linear from 0 to 2000 ppm.
Analog Input 19	Outdoor Air Relative Humidity	Read Only	Linear from 0.0 to 100.0 %.
Analog Input 20	Outdoor Air Temperature	Read Only	Linear from -40.0°F to 140.0°F / -40.0°C to 60.0°C.
Analog Input 21	Evap Bypass Damper Output	Read Only	Linear from 0.0 to 100.0 %.
Analog Input 22	Outdoor Air Damper Output	Read Only	Linear from 0.0 to 100.0 %.
Analog Input 23	Air Heat Command	Read Only	Linear from 0.0 to 100.0 %.
Analog Input 24	Supply Blower CFM	Read Only	Linear from 0.0 to 100.0 %.
Analog Input 25	Exhaust Blower CFM	Read Only	Linear from 0.0 to 100.0 %.
Analog Input 26	Low Exhaust Speed	Read Only	Linear from 0.0 to 100.0 %.

#	Description	R/W Status	Comments
Analog Value 27	Zone Relative Humidity Setpoint	Read/ Write	Settable from 0.0 to 99.0 %.
Analog Value 28	Zone Air Temperature Setpoint	Read/ Write	Settable from 65.0°F to 99.0°F / 18.3°C to 37.2°C.

#	Description	R/W Status	Comments
Analog Value 29	Pool 1 Water Temperature Setpoint	Read/ Write	Settable from 70.0°F to 104.0°F / 21.1°C to 40.0°C.
Analog Value 30	Pool 2 Water Temperature Setpoint	Read/ Write	Settable from 70.0°F to 104.0°F / 21.1°C to 40.0°C.

#	Description	R/W Status	Comments
Binary Input 31	Supply Blower On	Read Only	State of Supply Blower, 0 = Off, 1 = On.
Binary Input 32	Exhaust Blower On	Read Only	State of Exhaust Blower, 0 = Off, 1 = On.
Binary Input 33	Compressor A	Read Only	State of Compressor A, 0 = Off, 1 = On.
Binary Input 34	Compressor B	Read Only	State of Compressor B, 0 = Off, 1 = On.
Binary Input 35	Airflow	Read Only	State of Airflow. 0 = Off, 1 = On.
Binary Input 36	Air Heating Required	Read Only	State of Air Heat Requirement. 0 = Off, 1 = On.
Binary Input 37	Auxiliary Heat Required Pool 1	Read Only	State of Auxiliary Pool 1 Heat Requirement. 0 = Off, 1 = On.
Binary Input 38	Auxiliary Heat Required Pool 2	Read Only	State of Auxiliary Pool 2 Heat Requirement. 0 = Off, 1 = On.
Binary Input 39	Pool 1 Flow Switch	Read Only	State of Flow Switch. 0 = Off, 1 = On.
Binary Input 40	Pool 2 Flow Switch	Read Only	State of Flow Switch. 0 = Off, 1 = On.
Binary Input 41	Tower 1 Flow Switch	Read Only	State of Flow Switch. 0 = Off, 1 = On.
Binary Input 42	Tower 2 Flow Switch	Read Only	State of Flow Switch. 0 = Off, 1 = On.
Binary Input 43	Occupied	Read Only	Occupied Status, 0 = Un-occupied, 1 = Occupied.
Binary Input 44	Event Mode	Read Only	Event Mode, 0 = Normal, 1 = Event On.
Binary Input 45	Maximum Outdoor Air Mode	Read Only	Max OA Mode, 0 = Normal, 1 = Max OA On.
Binary Input 46	Economizer On	Read Only	Economizer Status, 0 = Normal, 1 = Economizer Running.
Binary Input 47	Purge Mode	Read Only	Purge Mode, 0 = Normal, 1 = Purge On.
Binary Input 48	Remote Off	Read Only	Remote Off Status, 0 = Unit Off, 1 = Normal.
Binary Input 49	Suction Pressure A Alarm	Read Only	Very Low Suction Pressure A, 0 = Normal, 1 = Alarm.
Binary Input 50	Suction Pressure B Alarm	Read Only	Very Low Suction Pressure B, 0 = Normal, 1 = Alarm.
Binary Input 51	Multiple Suction Pressure A Alarms	Read Only	Multiple Low Suction Pressure A, 0 = Normal, 1 = Alarm.
Binary Input 52	Multiple Suction Pressure B Alarms	Read Only	Multiple Low Suction Pressure B, 0 = Normal, 1 = Alarm.
Binary Input 53	Discharge Pressure A Alarm	Read Only	High Discharge Pressure A, 0 = Normal, 1 = Alarm.
Binary Input 54	Discharge Pressure B Alarm	Read Only	High Discharge Pressure B, 0 = Normal, 1 = Alarm.
Binary Input 55	Zone Sensor Alarm	Read Only	Communication Fault, 0 = Normal, 1 = Alarm.
Binary Input 56	Outdoor Air Sensor Alarm	Read Only	Communication Fault, 0 = Normal, 1 = Alarm.

#	Description	R/W Status	Comments
Binary Input 57	Supply Blower Overload	Read Only	Supply Blower Overload, 0 = Normal, 1 = Alarm.
Binary Input 58	Exhaust Blower Overload	Read Only	Exhaust Blower Overload, 0 = Normal, 1 = Alarm.
Binary Input 59	Condenser Fan Overload	Read Only	Condenser Fan Overload, 0 = Normal, 1 = Alarm.
Binary Input 60	Compressor A Overload	Read Only	Compressor A Overload, 0 = Normal, 1 = Alarm.
Binary Input 61	Compressor B Overload	Read Only	Compressor B Overload, 0 = Normal, 1 = Alarm.
Binary Input 62	Smoke / General Alarm	Read Only	Smoke Alarm, 0 = Normal, 1 = Alarm.
Binary Input 63	Low Voltage Alarm	Read Only	Voltage Monitor Alarm, 0 = Normal, 1 = Alarm.
Binary Input 64	Freeze Protection Alarm	Read Only	Freeze Protection Alarm, 0 = Normal, 1 = Alarm.
Binary Input 65	Low Exhaust Blower Overload	Read Only	Low Exhaust Blower Overload, 0 = Normal, 1 = Alarm.
Binary Input 66	Filter Alarm	Read Only	Filter Alarm, 0 = Normal, 1 = Alarm.
Binary Input 67	Motor 2 Overload	Read Only	Motor 2 Overload, 0 = Normal, 1 = Alarm.
Binary Input 68	Motor 3 Overload	Read Only	Motor 3 Overload, 0 = Normal, 1 = Alarm.
Binary Input 69	Motor 4 Overload	Read Only	Motor 4 Overload, 0 = Normal, 1 = Alarm.
Binary Input 70	Motor 8 Overload	Read Only	Motor 8 Overload, 0 = Normal, 1 = Alarm.
Binary Input 71	VFD 106 Overload	Read Only	VFD 106 Overload, 0 = Normal, 1 = Alarm.
Binary Input 72	VFD 142 Overload	Read Only	VFD 142 Overload, 0 = Normal, 1 = Alarm.
Binary Input 73	EVD Offline Alarm	Read Only	EVD Driver Offline, 0 = Normal, 1 = Alarm.
Binary Input 74	EVD Low Superheat A Alarm	Read Only	EVD Low Superheat A, 0 = Normal, 1 = Alarm.
Binary Input 75	EVD Low Superheat B Alarm	Read Only	EVD Low Superheat B, 0 = Normal, 1 = Alarm.
Binary Input 76	EVD LOP A Alarm	Read Only	EVD LOP A, 0 = Normal, 1 = Alarm.
Binary Input 77	EVD LOP B Alarm	Read Only	EVD LOP B, 0 = Normal, 1 = Alarm.
Binary Input 78	EVD MOP A Alarm	Read Only	EVD MOP A, 0 = Normal, 1 = Alarm.
Binary Input 79	EVD MOP B Alarm	Read Only	EVD MLOP B, 0 = Normal, 1 = Alarm.
Binary Input 80	EVD Valve A Alarm	Read Only	EVD Valve A, 0 = Normal, 1 = Alarm.
Binary Input 81	EVD Valve B Alarm	Read Only	EVD Valve B, 0 = Normal, 1 = Alarm.
Binary Input 82	EVD Low Suct A Alarm	Read Only	EVD Low Suct A, 0 = Normal, 1 = Alarm.
Binary Input 83	EVD Low Suct B Alarm	Read Only	EVD Low Suct B, 0 = Normal, 1 = Alarm.
Binary Input 84	EVD High T Cond Alarm	Read Only	EVD High T Cond, 0 = Normal, 1 = Alarm.
Binary Input 85	EVD S1 Alarm	Read Only	EVD S1, 0 = Normal, 1 = Alarm.
Binary Input 86	EVD S2 Alarm	Read Only	EVD S2, 0 = Normal, 1 = Alarm.

#	Description	R/W Status	Comments
Binary Input 87	EVD S3 Alarm	Read Only	EVD S3, 0 = Normal, 1 = Alarm.
Binary Input 88	EVD S4 Alarm	Read Only	EVD S4, 0 = Normal, 1 = Alarm.
Binary Input 89	EVD Battery Alarm	Read Only	EVD Battery, 0 = Normal, 1 = Alarm.
Binary Input 90	EVD EEPROM Alarm	Read Only	EVD EEPROM, 0 = Normal, 1 = Alarm.
Binary Input 91	EVD Incomplete Closing Alarm	Read Only	EVD Incomplete Closing, 0 = Normal, 1 = Alarm.
Binary Input 92	EVD Emergency Closing Alarm	Read Only	EVD Emergency Closing, 0 = Normal, 1 = Alarm.
Binary Input 93	EVD Firmware Alarm	Read Only	EVD Firmware, 0 = Normal, 1 = Alarm.
Binary Input 94	EVD Config Error	Read Only	EVD Config Error, 0 = Normal, 1 = Alarm.
Binary Input 95	EVD Retain Alarm	Read Only	EVD Retain, 0 = Normal, 1 = Alarm.
Binary Input 96	EVD Retain Error	Read Only	EVD Retain Error, 0 = Normal, 1 = Alarm.
Binary Input 97	Offline c.PCOe 2	Read Only	Expansion Module Communication Fault, 0 = Normal, 1 = Alarm.
Binary Input 98	Offline c.PCOe 3	Read Only	Expansion Module Communication Fault, 0 = Normal, 1 = Alarm.
Binary Input 99	Offline c.PCOe 4	Read Only	Expansion Module Communication Fault, 0 = Normal, 1 = Alarm.
Binary Input 100	Offline c.PCOe 5	Read Only	Expansion Module Communication Fault, 0 = Normal, 1 = Alarm.
Binary Input 101	High Condensate Level Alarm	Read Only	Drain pan level high, 0 = Normal, 1 = Alarm.
Binary Input 110	Active Alarm	Read Only	Any Alarm is Active, 0 = Normal, 1 = Alarm.

#	Description	R/W Status	Comments
Binary Value 102	Network Occupied	Read/ Write	Write 1 to Occupy, 0 to Un-occupy.
Binary Value 103	Network Event	Read/ Write	Write 1 to Event Mode, 0 to Normal Mode.
Binary Value 104	Network Max OA	Read/ Write	Write 1 to Max OA Mode, 0 to Normal Mode.
Binary Value 105	Network Purge	Read/ Write	Write 1 to Purge Mode, 0 to Normal Mode.
Binary Value 106	Network Off	Read/ Write	Write 1 to set Unit to Off, 0 to set Unit to On.
Binary Value 107	Network Roof Lockout	Read/ Write	Write 1 to when Roof or wall is open, 0 when closed.
Binary Value 108	Remote Reset	Read/ Write	Write 1 to Remotely Reset Unit.

#	Description	R/W Status	Comments
Multistate Input 109	Unit Status	Read Only	For status definitions, see the table below.

CODE	UNIT STATUS
0	Unit Off /Zone Satisfied
1	Heating Required
2	Cooling Required
3	Dehumidification Required
4	Dehum and Heating Required
5	Dehum and Cooling Required
6	Energy Recovery
7	Low Air Flow Condition
8	Low Suction Pressure Condition
9	EEV Initialization

Revision (Rev.) History				
Rev.	**Description**	**Date**	**Initials**	**ECN #**
00	Initial Release	6/16/2020	MTW	EC-10586
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