* Logical Address	Description	Input Registers 3x	Data Format	Comments
00001 LSW 00002 MSW	Suction Pressure	Read Only	32-bit Float	Linear from 0.0 to 250.0 psig.
00003 LSW 00004 MSW	Discharge Pressure	Read Only	32-bit Float	Linear from 0.0 to 650.0 psig.
00005 LSW 00006 MSW	Zone Air Relative Humidity	Read Only	32-bit Float	Linear from 0.0 to 100.0 %.
00007 LSW 00008 MSW	Zone Air Temperature	Read Only	32-bit Float	Linear from -40.0°F to 140.0 °F.
00009 LSW 00010 MSW	Pool Inlet Temperature	Read Only	32-bit Float	Linear from -58.0 to 212.0 °F.
00011 LSW 00012 MSW	Pool Outlet Temperature	Read Only	32-bit Float	Linear from -58.0 to 212.0 °F.
00013 LSW 00014 MSW	Partial Pool Temperature	Read Only	32-bit Float	Linear from -58.0 to 212.0 °F.
00015 LSW 00016 MSW	Refrigerant Superheat	Read Only	32-bit Float	Linear from -58.0 to 212.0 °F.
00017 LSW 00018 MSW	Air Heating Command	Read Only	32-bit Float	Linear from -58.0 to 212.0 °F.
00019 LSW 00020 MSW	Bypass Damper Command	Read Only	32-bit Float	Linear from 0.0 to 100.0 %.
00021 LSW 00022 MSW	O/A Damper Command	Read Only	32-bit Float	Linear from 0.0 to 100.0 %.
00023	Unit Status	Read Only	16-bit Integer	For code definitions, see the table below.

* Logical Address	Description	Holding Registers 4x	Data Format	Comments
00024 LSW 00025 MSW	Zone Relative Humidity Setpoint	Read/ Write	32-bit Float	Settable from 0.0 to 100.0 %.
00026 LSW 00027 MSW	Zone Air Temperature Setpoint	Read/ Write	32-bit Float	Settable from 65.0 to 99.9 °F.
00028 LSW 00029 MSW	Pool Water Temperature Setpoint	Read/ Write	32-bit Float	Settable from 0.0 to 99.9 °F.
00030 LSW 00031 MSW	Partial Pool Water Temperature Setpoint	Read/ Write	32-bit Float	Settable from 0.0 to 99.9 °F.

* Logical Address	Description	Coils 0x	Data Format	Comments
00001	Network Remote On/Off	Read/ Write	Boolean	Set 0 for Unit On, Set 1for Unit Off. This action needs to be enabled at the controller before it can be used.
00002	Network Occupied Input	Read/ Write	Boolean	Set 0 for Network Unoccupied request. Set 1 for Network Occupancy Request.
00003	Remote Reset	Read/ Write	Boolean	Set 1to Remote Reset the Unit. 0 is reset after 5 seconds.
00004	Roof / Wall Switch	Read/ Write	Boolean	Set 1 when Roof is open. Set 0 when Roof is closed. This action requires setup in the Service Menu.

* Logical Address	Description	Discrete Inputs 1x	Data Format	Comments
00005	Supply Fan	Read Only	Boolean	State of Supply Fan, 0 = Off, 1 = On.
00006	Compressor	Read Only	Boolean	State of Compressor, 0 = Off, 1 = On.
00007	Pool Water Pump	Read Only	Boolean	State of Pool Pump Output. 0 = Off, 1 = On.
00008	Auxiliary Pool Heat	Read Only	Boolean	State of Auxiliary Pool Heat Required. 0 = Off, 1 = On.
00009	Air Heating Required	Read Only	Boolean	State of Air Heat Requirement. 0 = Off, 1 = On.

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* Logical Address	Description	Discrete Inputs 1x	Data Format	Comments
00010	Tower Water Pump	Read Only	Boolean	State of Tower Water Pump Output. 0 = Off, 1 = On.
00011	Occupied	Read Only	Boolean	Confirmation of Occupied Status. 0 = Unoccupied, 1 = Occupied
00012	Alarm Active	Read Only	Boolean	Confirmation of Active Alarm. 1 = Alarm, 0 = Normal.
00013	Retain Memory Alarm	Read Only	Boolean	Controller Retain Memory Error, 0 = Normal, 1 = Alarm.
00014	Retain Memory Write Alarm	Read Only	Boolean	Controller Retain Memory Write Error, 0 = Normal, 1 = Alarm.
00015	Blower Overload Alarm	Read Only	Boolean	Blower Overload Alarm, 0 = Normal, 1 = Alarm.
00016	Compressor Overload Alarm	Read Only	Boolean	Compressor Overload Alarm, 0 = Normal, 1 = Alarm.
00017	Smoke Alarm Active	Read Only	Boolean	Smoke Alarm, 0 = Normal, 1 = Alarm.
00018	Suction Pressure Alarm	Read Only	Boolean	Low Suction Pressure, 0 = Normal, 1 = Alarm.
00019	Discharge Pressure Alarm	Read Only	Boolean	High Discharge Pressure, 0 = Normal, 1 = Alarm.
00020	Sensor Communication Alarm	Read Only	Boolean	Zone Sensor Communication Fault, 0 = Normal, 1 = Alarm.
00021	c.PCOe Configuration Alarm	Read Only	Boolean	Expansion Module Configuration Fault, 0 = Normal, 1 = Alarm.
00022	c.PCOe Communication Alarm	Read Only	Boolean	Expansion Module Communication Fault, 0 = Normal, 1 = Alarm.
00023	Low Voltage Alarm	Read Only	Boolean	Low System Voltage Fault, 0 = Normal, 1 = Alarm.
00024	Clogged Filter Alarm	Read Only	Boolean	Clogged Filter Fault, 0 = Normal, 1 = Alarm.

*   All coil and holding register addresses are in PLC style base 0 notation. If base 1 notation is required, add 1 to the logical address number.

CODE	UNIT STATUS
0	Unit Off /Zone Satisfied
1	Heating Required
2	Cooling Required
3	Dehumidification Required
4	Dehum and Cooling Required
5	Dehum and Heating Required
6	Low Suction Pressure Condition
7	Low Air Flow Condition
8	Low DHU Temperature
9	High DHU Temperature
10	System Switch is Off

Revision (Rev.) History				
Rev.	Description	Date	Initials	ECN #
00	Initial Release	11/15/2017	MTW	EC-10328
01	Added Low Voltage and Filter Alarm	1/31/2018	MTW	EC-10360
02	Unit Status codes 4 and 5 were inverted.	5/23/2019	MTW	EC-10484