Symbio 700 Integration Points List
BACnet®/Modbus
Precedent®, Axiom™ Rooftop WSHP

Date:09/05/2025
Firmware Release:V7.03.0017
Reference Document: BAS-SVP085*-EN

Object Naming Conventions

The communicated points for the Symbio™ controllers are generally named according to their function. While many of the points are read-only, others include both read and write capability. The established naming convention helps to identify the capabilities of each point. For most points, the suffix identifies the capability according to the following definition. While there are some exceptions, the majority of the points have been defined according to these guidelines.

Suffix	Description
Status	Points with the Status suffix are defined as read-only. The status point reports the value being used by the controller.
Local	Points with the Local suffix are defined as read-only. The local point reports values associated with controller sensors, both wired and wireless. The local value may or may not be actively used by the controller, depending on the presence or absence of a communicated value (BAS). When both a local and communicated value exist, the communicated value is used.
Active	Points with the Active suffix are defined as read-only. Points designated as active are normally the result of the arbitration between a communicated value(BAS) and at least one value local to the equipment, such as a sensor or default setpoint. The active point reports the value being input to the controller.
Setpoint	Points with the Setpoint suffix are defined as either read-only or read/write. For BACnet®, the binary input, analog input and multi-state input points are all read-only. These setpoints report the value currently in use by the controller. The analog value, binary value and multi-state value points are all read/write. These points are provided for use by the building automation system (BAS). When used, these points are written internally to arbitration logic. This defines the interaction with hardwired points, editable software configuration points and the relinquish default value/state. Refer to the Appendix for additional information.
Input	Points with the Input suffix are defined as read-only. These points normally reflect the status of a sensor input, either hardwired or communicating wirelessly (Air-Fi®). However, the input point reflects the arbitrated result of the controller sensor input and a communicated value, if present. When both a controller sensor and communicated value exist, the controller will use and report the communicated value.
Arbitrator	Points with the “Arbitrator” suffix are to be used as read-only. The arbitrator prioritizes inputs from communicating points, hardwired points and stored defaults points. The priority array of the arbitration point displays each of the values provided, including the active status, indicating which of the input sources is being used. Refer to the Appendix for additional information.
BAS	Points with the BAS suffix are defined as read/write. These points are provided for use by the building automation system (BAS). When used, these points are written to arbitration logic. This defines the interaction with hardwired points, editable software configuration points and the relinquished default value/state. Refer to the Appendix for additional information.
Command	Points with the Command suffix are defined as read/write. These points are written to change the default behavior of the controller. Once written, these point values may be persisted.
Request	Points with the Request suffix are defined as read/write. These points are written to request a change the operating behavior of the controller.

Object Data Points and Diagnostic Data Points

The following tables are sorted as follows:

- Tables are listed by input/output type and sorted by object identifier. These tables provide the user with the unit's type for each object
- Tables are sorted by object name and provide a complete list of object names, types, values/ranges, and descriptions.

Note: Not all points are available to the user. The available data points are defined during self-configuration and are dependent on the type of equipment.

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Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Units	Low Limit	High Limit	Modbus Register Type	Modbus Register 1	Modbus Register 2
AI-10101	Cooling Capacity Status	Indicates the actual operating unit cooling capacity, in percent	Always	Read	NA	%	0	100	Input	30010	30011
AI-10102	Heating Capacity Primary Status	Indicates the unit (primary) heating capacity, in percent	Primary Heating Source Installed	Read	NA	%	0	100	Input	30012	30013
AI-10104	Outdoor Air Relative Humidity Local	Indicates the OA humidity value from sensor connected to the controller	Economizer Type is Configured as Reference Enthalpy or Comparative Enthalpy and/or Hot Gas Reheat is Configured as Installed	Read	Sensor Complex	%	0	100	Input	30014	30015
AI-10110	Return Air Humidity Local	Indicates the return air humidity value from sensor connected to the controller	Economizer Type is Configured as Comparative Enthalpy	Read	Sensor Complex	%	0	100	Input	30016	30017
AI-10111	Outdoor Air Damper Position	Indicates OA Damper Actuator feedback signal.	Outside Air is Configured at 0-100% or 0-50% Motorized Damper	Read	NA	%	0	100	Input	30018	30019
AI-10116	Space Humidity Active	Indicates the active space relative humidity being used by the controller	Humidity Sensor Configured	Read	Sensor Complex	%	0	100	Input	30024	30025
AI-10117	Outdoor Air Dew Point	The outdoor air dewpoint value being utilized by the unit	Hot Gas Reheat is configured as Installed	Read	NA	°F	-39.5	200	Input	30424	30425
AI-10118	Outdoor Air Temperature Active	Indicates the active OA temperature currently being used by the controller	Always	Read	Sensor Complex	°F	-40	200	Input	30026	30027
AI-10120	Outdoor Air Humidity Active	Indicates the active outdoor air humidity value used by the controller	Economizer Type is Configured as Reference Enthalpy or Comparative Enthalpy and/or Hot Gas Reheat is Configured as Installed	Read	Sensor Complex	%	0	100	Input	30028	30029
AI-10124	Discharge Air Temperature Local	Indicates the discharge air temperature value from a sensor connected to the controller	System Type Configured as VVZT, VVDA, or Outside Air is Configured as 0-100% or Discharge Temperature Sensor is Configured	Read	NA	°F	-40	200	Input	30030	30031
AI-10126	Return Air Temperature Input	Indicates the actual return air temperature being used by the controller	Economizer Type is Configured as Comparative Enthalpy or Differential Drybulb	Read	Sensor Complex	°F	-40	200	Input	30034	30035
AI-10155	Duct Static Pressure Local	Indicates the duct static pressure value from a sensor connected to the controller	System Type is Configured as VVDA	Read	NA	In. of water	-0.1	5	Input	30040	30041
AI-10156	Outdoor Air Temperature Local	Indicates the OA temp value from a sensor connected to the controller	Always	Read	Sensor Complex	°F	-40	200	Input	30042	30043
AI-10182	Duct Static Pressure Active	Indicates the duct static pressure active value for communication to SC graphics.	System Type is Configured as VVDA	Read	NA	In. of water	-0.1	5	Input	30474	30475
AI-10218	Space Temperature Input	Indicates the space temp from a wired sensor.	Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Read	Sensor Complex	°F	-40	200	Input	30048	30049
AI-10226	Space Dew Point	Calculated Space Dewpoint	Hot Gas Reheat is Configured as Installed	Read	NA	°F	-40	200	Input	30426	30427
AI-11100	Coil Temperature Sensor 1	Outdoor Coil Temperature Sensor for Circuit 1 on HP units	All Heat Pumps	Read	NA	°F	-40	200	Input	30050	30051
AI-11103	Space CO2 Concentration Input	Indicates the space CO2 concentration from a sensor hardwired to the controller.	CO2 Sensor Configured	Read	Sensor Complex	PPM	50	2000	Input	30056	30057

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Units	Low Limit	High Limit	Modbus Register Type	Modbus Register 1	Modbus Register 2
AI-11104	Space Humidity Input	Indicates the space relative humidity from a sensor wired to the controller.	Humidity Sensor Configured	Read	Sensor Complex	%	0	100	Input	30058	30059
AI-11106	Supply Fan Speed Command Status	Indicates the unit commanded supply fan speed output. Typically reflects commands to a speed control device.	Indoor Fan Type Configured as Multi Speed or Variable Speed	Read	NA	%	0	100	Input	30062	30063
AI-11109	Modulating Heat Command Status	Indicates the unit commanded modulating heat output.	Modulating gas heat installed	Read	NA	%	0	100	Input	30066	30067
AI-11111	Outdoor Air Damper Command	Indicates the unit commanded outside air damper position.	Outside Air is Configured at 0-100%	Read	NA	%	0	100	Input	30068	30069
AI-11132	On-Board I/O Firmware Major Version	Software Major Version for On-Board I/O Module	Always	Read	NA	NA	0	255	Input	30072	30073
AI-11133	On-Board I/O Firmware Minor Version	On-Board I/O Module Software build number	Always	Read	NA	NA	0	255	Input	30074	30075
AI-11134	Indoor Options Module Firmware Major Version	Software Major Version for Indoor Options Module	Indoor Options Module Installed and In-Use	Read	NA	NA	0	255	Input	30076	30077
AI-11135	Indoor Options Module Firmware Minor Version	Indoor Options Module Software build number	Indoor Options Module Installed and In-Use	Read	NA	NA	0	255	Input	30078	30079
AI-11136	Fresh Air Options Module Firmware Major Version	Software Major Version for Fresh Air Options Module	Fresh Air Options Module Installed and In-Use	Read	NA	NA	0	255	Input	30080	30081
AI-11137	Fresh Air Options Module Firmware Minor Version	Fresh Air Options Module Software build number	Fresh Air Options Module Installed and In-Use	Read	NA	NA	0	255	Input	30082	30083
AI-11140	Customer Options Module Firmware Major Version	Software Major Version for Customer Connection Options Module	Customer Options Module Installed and In-Use	Read	NA	NA	0	255	Input	30088	30089
AI-11141	Customer Options Module Firmware Minor Version	Customer Options Module Software build number	Customer Options Module Installed and In-Use	Read	NA	NA	0	255	Input	30090	30091
AI-11142	IGN Module 1 Firmware Major Version	Software Major Version for Gas Heat Ignition Module 1	Primary Heating Source is Configured as Gas	Read	NA	NA	0	255	Input	30092	30093
AI-11143	IGN Module 1 Firmware Minor Version	Software Minor Version for Gas Heat Ignition Module 1	Primary Heating Source is Configured as Gas	Read	NA	NA	0	255	Input	30094	30095
AI-11148	Remote Minimum Position	Hardwired remote minimum position for OA damper control.	Remote Minimum Position is Configured as Installed	Read	NA	%	0	50	Input	30100	30101
AI-11149	Return Air Temperature Active	Return Air Temperature being used for control	Economizer Type is Configured as r Comparative Enthalpy or Differential Drybulb	Read	Sensor Complex	°F	-40	200	Input	30102	30103
AI-11150	Sensor Battery Status Air-Fi	Status percentage of connected AirFi sensor(s).	Air-Fi Sensor Installed and Communicating	Read	NA	%	5	100	Input	30104	30105
AI-11151	Space CO2 Concentration Air-Fi	Indicates the space CO2 concentration from a wireless sensor connected to the controller.	Air-Fi Sensor Installed and Communicating	Read	Sensor Complex	PPM	50	2000	Input	30106	30107
AI-11152	Space Humidity Air-Fi	Indicates the space relative humidity from a connected wireless sensor.	Air-Fi Sensor Installed and Communicating	Read	Sensor Complex	%	0	100	Input	30108	30109
AI-11154	Space Temperature Air-Fi	Indicates the space temp from a connected wireless (AirFi) sensor	Air-Fi Sensor Installed and Communicating	Read	Sensor Complex	°F	-40	200	Input	30112	30113

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Units	Low Limit	High Limit	Modbus Register Type	Modbus Register 1	Modbus Register 2
AI-11155	Space Temperature Cooling Setpoint Air-Fi	Indicates the (occupied) cooling setpoint from the connected wireless space sensor	Air-Fi Sensor Installed and Communicating	Read	Setpoint Simple BAS	°F	52	95	Input	30114	30115
AI-11156	Space Temperature Heating Setpoint Air-Fi	Indicates the (occupied) heating setpoint from the connected wireless space sensor	Air-Fi Sensor Installed and Communicating	Read	Setpoint Simple BAS	°F	49	92	Input	30116	30117
AI-11157	Space Temperature Setpoint Air-Fi	Space Temperature Setpoint from a connected wireless sensor.	Air-Fi Sensor Installed and Communicating	Read	Setpoint Simple BAS	°F	49	95	Input	30118	30119
AI-11159	Space Temperature Cooling Setpoint Input	Indicates the (occupied) cooling setpoint from the connected wired space sensor	Space Controller Configured as Dual Setpoint Zone Sensor	Read	Setpoint Simple BAS	°F	52	95	Input	30122	30123
AI-11160	Space Temperature Heating Setpoint Input	Indicates the (occupied) heating setpoint from the connected wired space sensor	Heating Source Installed and Space Controller Configured as Dual Setpoint Zone Sensor	Read	Setpoint Simple BAS	°F	49	92	Input	30124	30125
AI-11161	Space Temperature Setpoint Input	Space Temperature Setpoint from a connected wired sensor.	Space Controller Configured as Single Setpoint Zone Sensor	Read	Setpoint Simple BAS	°F	49	95	Input	30126	30127
AI-11164	Reheat Valve 1 Step Status	Reheat Valve 1 Status in steps from Stepper Motor Module	Hot Gas Reheat is Configured as Installed	Read	NA	NA	0	65535	Input	30132	30133
AI-11166	Evaporator Entering Refrigerant Temperature	Indicates the Evaporator Entering Refrigerant Temperature from a connected wire sensor on the Indoor Options Module.	Hot Gas Reheat is Configured as Installed	Read	Sensor Complex	°F	-40	200	Input	30402	30403
AI-11166	Evaporator Entering Refrigerant Temperature	Indicates the Evaporator Entering Refrigerant Temperature from a connected wire sensor on the Indoor Options Module.	Hot Gas Reheat is Configured as Installed	Read	Sensor Complex	°F	-40	200	Input	30402	30403
AI-11167	Stepper Motor Module Firmware Major Version	Software Major Version for Stepper Motor Module	Stepper Motor Module Installed and In-Use	Read	NA	NA	0	255	Input	30428	30429
AI-11168	Stepper Motor Module Firmware Minor Version	Stepper Motor Module Software build number	Stepper Motor Module Installed and In-Use	Read	NA	NA	0	255	Input	30430	30431
AI-11169	Saturated Discharge Temperature	Saturated Discharge Temperature sensor used in Ultra High Efficiency (UHE) units for Variable Speed (VSPD) compressor control.	Ultra High Efficiency (UHE) configurations	Read	NA	°F	-40	200	Input	30462	30463
AI-11170	Supply Fan Entering Air Temperature	Indicates the air temp entering the supply fan.	Modulating Gas Heat is Configured	Read	NA	°F	-40	200	Input	30468	30469
AI-11171	Entering Water Temperature Active	Indicates the active Entering Water temperature currently being used by the controller	Water Source Heat Pump Precedent 6-25T with R454B Refrigerant.	Read	Sensor Complex	°F	-40	200	Input	30492	30493
AI-11172	Entering Water Temperature Local	Indicates the Entering Water temperature value from a sensor connected to the controller	Water Source Heat Pump Precedent 6-25T with R454B Refrigerant.	Read	Sensor Complex	°F	-40	200	Input	30494	30495
AI-11173	Outdoor Air Damper Feedback	Indicates OA Damper Actuator feedback signal.	Outside Air is Configured at 0-100% or 0-50% Motorized Damper	Read	NA	%	0	100	Input	30496	30497

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-10103	Outdoor Air Temperature Arbitrator	Indicates the OA temp determined by arbitration	Always	Write	Sensor Complex	65535	°F	-40	200	0	Holding	40010	40011
AV-10104	Outdoor Air Humidity Arbitrator	Indicates the actual outdoor air humidity being used by the controller	Economizer Type is Configured as Reference Enthalpy or Comparative Enthalpy and/or Hot Gas Reheat is Configured as Installed	Write	Sensor Complex	65535	%	0	100	0	Holding	40012	40013
AV-10106	Space Temperature Arbitrator	Indicates the space temp determined by arbitration	Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Write	Sensor Complex	65535	°F	-40	200	0	Holding	40014	40015
AV-10108	Space CO2 Concentration Arbitrator	Indicates the space CO2 concentration being used by the controller	CO2 Sensor Configured	Write	Sensor Complex	65535	PPM	50	2000	0	Holding	40018	40019
AV-10109	Space Humidity Arbitrator	Indicates the space relative humidity, determined by the arbitration	Space Humidity Sensor Configured	Write	Sensor Complex	65535	%	0	100	0	Holding	40020	40021
AV-10113	Outdoor Air Temperature BAS	Used to send the outdoor air temperature sensor value	Always	Write	Sensor Complex		°F	-40	200	900	Holding	40022	40023
AV-10114	Space Temperature BAS	Used to send the space temperature value	Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Write	Sensor Complex		°F	-40	200	900	Holding	40024	40025
AV-10116	Outdoor Air Humidity BAS	Used to send the outdoor air humidity sensor value	Economizer Type is Configured as Reference Enthalpy or Comparative Enthalpy and/or Hot Gas Reheat is Configured as Installed	Write	Sensor Complex		%	0	100	900	Holding	40026	40027
AV-10118	Space CO2 Concentration BAS	Used to send the space CO2 concentration value	CO2 Sensor Configured	Write	Sensor Complex		PPM	0	2000	900	Holding	40028	40029
AV-10119	Space Humidity BAS	Used to send the space relative humidity value	Space Humidity Sensor Configured	Write	Sensor Complex		%	0	100	900	Holding	40030	40031
AV-10121	Discharge Air Cooling Setpoint BAS	Used to request the discharge air temp cooling setpoint value	System Type is Configured as VVDA	Write	Setpoint Simple with Priority Array	55	°F	40	80	0	Holding	40032	40033
AV-10122	Discharge Air Heating Setpoint BAS	Used to request the discharge air temperature heating setpoint value	System Type is Configured as VVDA and Primary Heat is Configured or Conventional Thermostat with modulating gas heat installed.	Write	Setpoint Simple with Priority Array	100	°F	50	158	0	Holding	40034	40035

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-10123	Unoccupied Cooling Setpoint	Used to define the cooling temp setpoint used for control in unoccupied mode	Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Write	NA	85	°F	50	90	0	Holding	40036	40037
AV-10124	Unoccupied Heating Setpoint	Used to define the heating temp setpoint used for control in unoccupied mode	Heating Installed and Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Write	NA	60	°F	50	90	0	Holding	40038	40039
AV-10127	Space Temperature Setpoint BAS	BAS-supplied space temperature setpoint value	Space Controller Configured as Single Setpoint Zone Sensor	Write	Setpoint Simple BAS	72.5	°F	40	115	0	Holding	40040	40041
AV-10130	Occupied Offset	Difference between the occupied cool and heat setpts when a single setpoint is used	Space Controller Configured As Single Setpoint Zone Sensor	Write	NA	2.5	Δ°F	1	10	0	Holding	40042	40043
AV-10134	Discharge Air Reheat Setpoint BAS	Used to request the discharge air temperature reheat setpoint value, for dehumidification control	Hot Gas Reheat is Configured as Installed	Write	Setpoint Simple with Priority Array	70	°F	65	80	0	Holding	40044	40045
AV-10138	Filter Runtime Hours Setpoint	The setpoint value used by the filter run hours calculation	Always	Write	Setpoint Simple with Priority Array	0	NA	0	10000	0	Holding	40048	40049
AV-10139	Cooling Capacity Enable	Used to limit the cooling capacity of the unit; 0% = no cooling possible	Always	Write	Setpoint Simple with Priority Array	100	%	0	100	0	Holding	40050	40051
AV-10140	Heat Primary Enable BAS	Used to demand limit the heating capacity; 0% = No Heating Possible	Primary Heating Source is Configured	Write	Setpoint Simple with Priority Array	100	%	0	100	0	Holding	40052	40053
AV-10141	Morning Warmup Setpoint BAS	Defines the space temp below which MWU is enabled	Primary Heating Source is Configured and Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Write	Setpoint Simple with Priority Array	70	°F	50	90	0	Holding	40054	40055
AV-10142	Occupied Standby Offset	Difference between the occupied standby cool and heat setpts when a single setpoint is used	Space Controller Configured as Single Setpoint Zone Sensor	Write	NA	7.5	Δ°F	1	20	0	Holding	40056	40057
AV-10143	Duct Static Pressure Setpoint BAS	Used to request the duct static pressure setpoint value	System Type is Configured as VVDA	Write	Setpoint Simple with Priority Array	1	In. of water	0	3.5	0	Holding	40058	40059
AV-10144	Economizer Minimum Position Setpoint BAS	Used to request the ecominizer minimum position setpoint	Outside Air is Configured as 0-50% Motorized Damper or 0-100%	Write	Setpoint Simple with Priority Array	25	%	0	50	0	Holding	40060	40061

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-10149	Daytime Warmup Setpoint BAS	Defines the space temp below which daytime warmup will be enabled	System Type is Configured as VVDA and Primary Heat is Configured.	Write	Setpoint Simple with Priority Array	68	°F	50	90	0	Holding	40062	40063
AV-10150	Economizer Outdoor Air Enable Setpoint BAS	Temperature setpoint below which economizing can be used	Outside Air is Configured as 0-100%	Write	Setpoint Simple with Priority Array	60	°F	50	140	0	Holding	40064	40065
AV-10154	Space Cooling Setpoint High Limit BAS	Space Cooling Setpoint High Limit BAS	Space Controller is Configured as Single or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Write	NA	90	°F	40	110	0	Holding	40066	40067
AV-10155	Space Cooling Setpoint Low Limit BAS	Space Cooling Setpoint Low Limit BAS	Space Controller is Configured as Single or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Write	NA	50	°F	40	110	0	Holding	40068	40069
AV-10157	Space Heating Setpoint High Limit BAS	Space Heating Setpoint High Limit BAS	Space Controller is Configured as Single or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT and Primary Heating is Configured	Write	NA	80	°F	40	105	0	Holding	40070	40071
AV-10158	Space Heating Setpoint Low Limit BAS	Space Heating Setpoint Low Limit BAS	Space Controller is Configured as Single or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT and Primary Heating is Configured	Write	NA	50	°F	40	105	0	Holding	40072	40073
AV-10159	Occupied Cooling Setpoint BAS	Used to define the occupied cooling setpt when both heat and cool setpoints are used	Space Controller is Configured as Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Write	Setpoint Simple BAS	74	°F	40	115	0	Holding	40074	40075
AV-10160	Occupied Heating Setpoint BAS	Used to define the occupied heating setpt when both heat and cool setpoints are used	Space Controller is Configured as Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT and Primary Heating is Configured	Write	Setpoint Simple BAS	71	°F	40	115	0	Holding	40076	40077

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-10161	Occupied Standby Cooling Setpoint BAS	Defines the occupied standby cooling setpt when both heat/cool setpoints are provided	Space Controller is Configured as Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Write	Setpoint Simple with Priority Array	78	°F	52	95	0	Holding	40078	40079
AV-10162	Occupied Standby Heating Setpoint BAS	Defines the occupied standby heating setpt when both heat/cool setpoints are provided	Space Controller is Configured as Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT and Primary Heating is Configured	Write	Setpoint Simple with Priority Array	67	°F	50	92	0	Holding	40080	40081
AV-10167	Discharge Air Temperature Minimum Cool Limit	Used to define the discharge air temperature minimum cool limit	Discharge Air Temperature Sensor is Configured as Installed and Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Write	Setpoint Simple with Priority Array	50	°F	40	100	0	Holding	40082	40083
AV-10168	Relief Enable Position Setpoint	The OA damper position above which the Relief sequence is enabled	Space Pressure Control is Configured	Write	Setpoint Simple with Priority Array	25	%	0	100	0	Holding	40084	40085
AV-10169	Occupied Bypass Time	Used to configure the occupied bypass time (occupancy override)	Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Write	NA	120	NA	0	240	0	Holding	40086	40087
AV-10170	Economizer Outdoor Air Enthalpy Enable Setpoint BAS	Used to determine the outdoor air enthalpy below which economizing is enabled	Economizer Type is Configured as Reference Enthalpy or Comparative Enthalpy	Write	Setpoint Simple with Priority Array	25	BTUs/pound	19	36	0	Holding	40088	40089
AV-10175	Space CO2 High Limit	Used to define the CO2 high limit, for ventilation purposes	Demand Controlled Ventilation is Configured as Installed	Write	Setpoint Simple with Priority Array	1100	PPM	1000	2000	0	Holding	40090	40091
AV-10176	Space CO2 Low Limit	Normally provided by the BMS to define the CO2 low limit	Demand Controlled Ventilation is Configured as Installed	Write	Setpoint Simple with Priority Array	400	PPM	300	1900	0	Holding	40092	40093
AV-10214	Space Dehumidification Unoccupied Setpoint Active	Active value for Space Dehumidification Setpoint BAS point being used for control.	Hot Gas Reheat is Configured as Modulating and Dehumidification Control is Configured as Relative Humidity or Dew Point	Read	Setpoint Simple with Priority Array		%	40	65	0	Input	30408	30409

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-10228	Space Dew Point Unoccupied Setpoint Active	Indicates the Unoccupied Space Dew Point Setpoint actively being used for dehumidification control.	Hot Gas Reheat is Configured as Modulating and Dehumidification Control is Configured as Relative Humidity or Dew Point	Read	NA		°F	40	80	0	Input	30412	30413
AV-10281	Discharge Air Temperature Setpoint Active	Indicates the discharge air temp setpoint actively being used for control.	System Type Configured as VVZT and Space Controller not Configured as Conventional TStat, or HGRH installed, or Economizer installed.	Read	NA		°F	40	200	0	Input	30400	30401
AV-11103	Return Air Humidity BAS	BAS Source for Return Air Humidity	Economizer Type is Configured as Comparative Enthalpy	Write	Sensor Complex		%	0	100	900	Holding	40094	40095
AV-11108	Cabinet Style	Indicates the cabinet style of the unit	Always	Read	NA		NA	0	255	0	Input	30150	30151
AV-11110	Supply Fan Speed Command	Remote supply fan speed request	Always	Write	Setpoint Simple with Priority Array	0	%	0	100	0	Holding	40096	40097
AV-11112	Cooling Capacity Setpoint BAS	Remote cooling capacity request	Always	Write	Setpoint Simple with Priority Array	0	%	0	100	0	Holding	40100	40101
AV-11113	Space Dehumidification Setpoint Offset BAS - Active	The active value for the offset applied to the Space Dehumidification Setpoint.	Hot Gas Reheat is Configured as Installed	Read	Setpoint Simple with Priority Array		%	2	20	0	Input	30420	30421
AV-11115	Exhaust Or Return Fan Type	Identifies the product exhaust or return fan type	Always	Read	NA		NA	0	255	0	Input	30154	30155
AV-11116	Filter Runtime Hours	Indicates the number of hours air has flowed through the filter	Always	Read	NA		NA	0	10000	0	Input	30156	30157
AV-11117	Outdoor Air Enthalpy Active	The outdoor air enthalpy value being utilized by the unit	Economizer Type is Configured as Comparative Enthalpy or Reference Enthalpy	Read	NA		BTUs/pound	10	96	0	Input	30158	30159
AV-11118	Return Air Temperature Arbitrator	Arbitrator for Return Air Temperature	Economizer Type is Configured as Comparative Enthalpy or Differential Drybulb	Write	Sensor Complex	65535	°F	-40	200	0	Holding	40104	40105
AV-11119	Return Air Temperature BAS	BAS source for Return Air Temperature	Economizer Type is Configured as Comparative Enthalpy or Differential Drybulb	Write	Sensor Complex		°F	-40	200	900	Holding	40106	40107

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11120	Heating Demand Limit Capacity Enable Setpoint	Heating Demand Limit Capacity Enable Setpoint	Demand Management Configured as Demand Limit and Primary Heating Source Configured	Write	Setpoint Simple with Priority Array	100	%	0	100	0	Holding	40108	40109
AV-11121	Discharge Air Temperature Maximum Cool Limit	Maximum discharge air temperature allowed during space temperature cooling mode of operation.	System Type Configured as VVZT and Space Controller not Configured as Conventional TStat	Write	Setpoint Simple with Priority Array	104	°F	40	200	0	Holding	40110	40111
AV-11122	Run Time - Condenser Fan 1 (Hours)	Condenser Fan 1 Runtime	Always	Read	NA		NA	0	200000	0	Input	30160	30161
AV-11123	Run Time - Condenser Fan 2 (Hours)	Condenser Fan 2 Runtime	Dual Condenser Fan Systems	Read	NA		NA	0	200000	0	Input	30162	30163
AV-11124	Run Time - Relief Fan (Hours)	Relief Fan Runtime	Space Pressure Control is Configured	Read	NA		NA	0	200000	0	Input	30164	30165
AV-11125	Run Time - Electric Heat Stage 1 (Hours)	Electric Heat Stage 1 Runtime	One or more stages of Staged Electric Heat configured	Read	NA		NA	0	200000	0	Input	30166	30167
AV-11126	Run Time - Electric Heat Stage 2 (Hours)	Electric Heat Stage 2 Runtime	Two or more stages of Staged Electric Heat configured	Read	NA		NA	0	200000	0	Input	30168	30169
AV-11127	Run Time - Supply Fan (Hours)	Supply Fan Runtime	Always	Read	NA		NA	0	200000	0	Input	30170	30171
AV-11128	Space Temp Cooling Setpoint Status	Indicates the space cooling setpoint, being used by the controller	Space Controller is Configured as Single or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	NA		°F	52	95	0	Input	30172	30173
AV-11129	Space Temp Heating Setpoint Status	Indicates the space heating setpoint, being used by the controller	Heating Installed and Space Controller is Configured as Single or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	NA		°F	49	92	0	Input	30174	30175
AV-11130	Design Minimum OA Damper Position at Full Fan Capacity	Design Minimum OA Damper Position at Full Fan Capacity	Outside Air is Configured as 0-100%	Write	Setpoint Simple with Priority Array	10	%	0	50	0	Holding	40112	40113
AV-11131	Design Minimum OA Damper Position at Mid Fan Capacity	Design Minimum OA Damper Position at Mid Fan Capacity	Outside Air is Configured as 0-50% Motorized Damper or 0-100% and Indoor Fan Type is Configured as Variable Speed	Write	Setpoint Simple with Priority Array	15	%	0	100	0	Holding	40114	40115

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11132	Design Minimum OA Damper Position at Min Fan Capacity	Design Minimum OA Damper Position at Min Fan Capacity	Outside Air is Configured as 0-100% and Indoor Fan Type is Configured as Variable Speed or Multi Speed	Write	Setpoint Simple with Priority Array	25	%	0	100	0	Holding	40116	40117
AV-11133	DCV Minimum OA Damper Position at Full Fan Capacity	DCV Minimum OA Damper Position at Full Fan Capacity	Outside Air is Configured as 0-50% Motorized Damper or 0-100% and DCV is Configured	Write	Setpoint Simple with Priority Array	5	%	0	40	0	Holding	40118	40119
AV-11134	DCV Minimum OA Damper Position at Mid Fan Capacity	DCV Minimum OA Damper Position at Mid Fan Capacity	Outside Air is Configured as 0-100% and Indoor Fan Type is Configured as Variable Speed and DCV is Configured	Write	Setpoint Simple with Priority Array	10	%	0	100	0	Holding	40120	40121
AV-11135	DCV Minimum OA Damper Position at Min Fan Capacity	DCV Minimum OA Damper Position at Min Fan Capacity	Outside Air is Configured as 0-100% and Indoor Fan Type is Configured as Variable Speed or Multi Speed and DCV is Configured	Write	Setpoint Simple with Priority Array	15	%	0	100	0	Holding	40122	40123
AV-11136	Space Dehumidification Setpoint BAS - Active	The active value for the Space Dehumidification Setpoint for Relative Humidity control.	Hot Gas Reheat is Configured as Installed	Read	Setpoint Simple with Priority Array		%	40	60	0	Input	30422	30423
AV-11137	Discharge Air Heating Setpoint High Limit	Discharge Air Heating Setpoint High Limit (deg F)	VVZT and modulating gas heat installed	Write	Setpoint Simple with Priority Array	150	°F	50	150	0	Holding	40124	40125
AV-11138	Discharge Air Heating Setpoint (Target)	Discharge Air Heating Setpoint (Target)	VVZT and modulating gas heat installed	Write	Setpoint Simple with Priority Array	100	°F	50	150	0	Holding	40126	40127
AV-11140	Discharge Air Cooling Setpoint (Target)	Discharge Air Cooling Setpoint (Target)	System Type Configured as VVZT and Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Write	Setpoint Simple with Priority Array	55	°F	40	80	0	Holding	40128	40129
AV-11147	Economizer Dry Bulb Enable Offset	Outdoor air temperature offset below dry bulb economizer enable setpoint.	Outside Air is Configured as 0-100%	Write	NA	5	Δ°F	2	10	0	Holding	40130	40131
AV-11148	Duct Static Pressure P-Gain (%/IWC)	Proportional gain for fan speed on duct static pressure control (%/IWC)	System Type Configured as VVDA	Write	NA	3.3	%	0.5	10	0	Holding	40198	40199
AV-11149	Duct Static Pressure Deadband BAS	Supply Air Pressure Setpoint Deadband	System Type Configured as VVDA	Write	Setpoint Simple with Priority Array	0.2	In. of water	0.15	1.0	0	Holding	40134	40135

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11150	Cooling Reset Start Temp	Discharge air cooling reset start temperature	System Type Configured as VVDA	Write	NA	90	°F	0	95	0	Holding	40136	40137
AV-11151	Cooling Reset End Temp	Discharge air cooling reset end temperature	System Type Configured as VVDA	Write	NA	70	°F	0	95	0	Holding	40138	40139
AV-11152	Cooling Reset Amount	Discharge air cooling amount to reset between start and end temperatures	System Type Configured as VVDA	Write	NA	5	Δ°F	0	20	0	Holding	40266	40267
AV-11153	Service Test Timeout (Minutes)	Timer (minutes) to indicate when the unit should cease service test.	Always	Write	NA	60	NA	1	120	0	Holding	40140	40141
AV-11154	Economizer Cooling Reference Enthalpy Offset	Economizer Cooling Reference Enthalpy Offset	Economizer Type is Configured as Comparative Enthalpy or Reference Enthalpy	Write	NA	3	BTUs/pound	2	6	0	Holding	40142	40143
AV-11155	Starts - Condenser Fan 1	Condenser Fan 1 Starts	Always	Read	NA		NA	0	1500000	0	Input	30186	30187
AV-11156	Starts - Condenser Fan 2	Condenser Fan 2 Starts	Dual Condenser Fan Systems	Read	NA		NA	0	1500000	0	Input	30188	30189
AV-11157	Starts - Relief Fan	Relief Fan Starts	Space Pressure Control is Configured	Read	NA		NA	0	1500000	0	Input	30190	30191
AV-11158	Starts - Electric Heat Stage 1	Electric Heat Stage 1 Starts	One or more stages of Staged Electric Heat configured	Read	NA		NA	0	1500000	0	Input	30192	30193
AV-11159	Starts - Electric Heat Stage 2	Electric Heat Stage 2 Starts	Two or more stages of Staged Electric Heat configured	Read	NA		NA	0	1500000	0	Input	30194	30195
AV-11160	Starts - Supply Fan	Counter for Supply Fan Starts	Always	Read	NA		NA	0	1500000	0	Input	30196	30197
AV-11161	Supply Fan Type	Indicates the unit supply fan type	Always	Read	NA		NA	0	255	0	Input	30198	30199
AV-11163	Supply Fan Speed Status	Estimated supply fan speed being utilized.	Always	Read	NA		%	0	100	0	Input	30202	30203
AV-11164	Heating Capacity Setpoint BAS	Setpoint to command the unit to a given heating capacity output	Primary Heating Source Configured	Write	Setpoint Simple with Priority Array	0	%	0	100	0	Holding	40144	40145
AV-11167	Demand Shed Offset Setpoint	Demand Shed Offset Setpoint	Demand Management Configured as Demand Shed	Write	Setpoint Simple with Priority Array	4	Δ°F	0	10	0	Holding	40148	40149
AV-11168	Cooling Demand Limit Capacity Enable Setpoint	Cooling Demand Limit Capacity Enable Setpoint	Demand Management Configured as Demand Limit	Write	Setpoint Simple with Priority Array	0	%	0	100	0	Holding	40150	40151
AV-11169	Run Time - Compressor 1 (Hours)	Compressor 1 Runtime	Always	Read	NA		NA	0	200000	0	Input	30204	30205

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11170	Run Time - Compressor 2 (Hours)	Compressor 2 Runtime	Multi-Compressor Systems	Read	NA		NA	0	200000	0	Input	30206	30207
AV-11173	Supply Fan Minimum Speed Setpoint	Minimum supply fan speed command.	Indoor Fan Type Configured as Multi Speed or Variable Speed	Write	Setpoint Simple with Priority Array	0	%	0	100	0	Holding	40152	40153
AV-11174	Supply Fan Maximum Speed Setpoint	Maximum supply fan speed command.	Indoor Fan Type Configured as Multi Speed or Variable Speed	Write	Setpoint Simple with Priority Array	*See [a]	%	*See [a]	100	0	Holding	40154	40155
AV-11178	Space Temperature Active	Indicates the active space temperature being used by the controller	Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Read	Sensor Complex		°F	-40	200	0	Input	30212	30213
AV-11180	Space Temperature Heating Setpoint Input Active	Active heating space temperature input setpoint as determined by arbitrating the heating setpoint inputs (wired and air-fi) with the occupied setpoint BAS.	Heating Installed and Space Controller Configured as Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	Setpoint Simple BAS		°F	49	92	0	Input	30214	30215
AV-11181	Space Temperature Setpoint Active	Indicates the active space temperature setpoint being used by the controller	Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Read	Setpoint Simple BAS		°F	49	95	0	Input	30216	30217
AV-11183	Starts - Compressor 1	Compressor 1 Starts	Always	Read	NA		NA	0	1500000	0	Input	30218	30219
AV-11184	Starts - Compressor 2	Compressor 2 Starts	Multi-Compressor Systems	Read	NA		NA	0	1500000	0	Input	30220	30221
AV-11185	Cooling Capacity Enable - Active	Active value for Cooling Capacity Enable point being used for control.	Always	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30222	30223
AV-11186	Daytime Warmup Setpoint BAS - Active	Active value for Daytime Warmup Setpoint BAS point being used for control.	Heating Installed and System Type is Configured at VVDA	Read	Setpoint Simple with Priority Array		°F	50	90	0	Input	30224	30225
AV-11187	Supply Fan Speed Command - Active	Active value for Supply Fan Speed Command point being used for control.	Always	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30226	30227
AV-11189	Cooling Capacity Setpoint BAS - Active	Active value for Cooling Capacity Setpoint BAS point being used for control.	Always	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30230	30231
AV-11190	Discharge Air Cooling Setpoint BAS - Active	Active value for Discharge Air Cooling Setpoint BAS point being used for control.	System Type Configured as VVDA	Read	Setpoint Simple with Priority Array		°F	40	80	0	Input	30232	30233

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11191	Discharge Air Heating Setpoint BAS - Active	Active value for Discharge Air Heating Setpoint BAS point being used for control.	Heating Installed and System Type is Configured at VVDA or Conventional Thermostat with modulating gas heat installed.	Read	Setpoint Simple with Priority Array		°F	50	158	0	Input	30234	30235
AV-11192	Discharge Air Reheat Setpoint BAS - Active	Active value for Discharge Air Reheat Setpoint BAS point being used for control.	Hot Gas Reheat is Configured as Modulating	Read	Setpoint Simple with Priority Array		°F	65	80	0	Input	30236	30237
AV-11193	Discharge Air Temperature Minimum Cool Limit - Active	Active value for Discharge Air Temperature Minimum Cool Limit point being used for control.	(System Type Configured as VVZT or Supply Air Tempering Configured as Enabled and Space Controller Configured as Single or Dual Setpoint Zone Sensor	Read	Setpoint Simple with Priority Array		°F	40	100	0	Input	30238	30239
AV-11195	Economizer Minimum Position Setpoint BAS - Active	Active value for Economizer Minimum Position Setpoint BAS point being used for control.	Outside Air is Configured as 0-50% Motorized Damper or 0-100%	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30240	30241
AV-11196	Economizer Outdoor Air Enthalpy Enable Setpoint BAS - Active	Active value for Economizer Outdoor Air Enthalpy Enable Setpoint BA point being used for control.	Economizer Type is Configured as Reference Enthalpy or Comparative Enthalpy	Read	Setpoint Simple with Priority Array		BTUs/pound	19	36	0	Input	30242	30243
AV-11197	Economizer Outdoor Air Enable Setpoint BAS - Active	Active value for Economizing Outdoor Air Enable Setpoint point being used for control.	Outside Air is Configured as 0-100%	Read	Setpoint Simple with Priority Array		°F	50	140	0	Input	30244	30245
AV-11198	Relief Enable Position Setpoint - Active	Active value for Relief Enable Position Setpoint point being used for control.	Space Pressure Control is Configured	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30246	30247
AV-11199	Heating Demand Limit Capacity Enable Setpoint - Active	Active value for Heating Demand Limit Capacity Enable Setpoint point being used for control.	Demand Management Configured as Demand Limit and Primary Heating Source Configured	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30248	30249
AV-11200	Discharge Air Temperature Maximum Cool Limit - Active	Active value for Discharge Air Temperature Maximum Cool Limit point being used for control.	System Type Configured as VVZT and Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Read	Setpoint Simple with Priority Array		°F	40	200	0	Input	30250	30251
AV-11202	Cool Type	Describes the type of cooling in the unit	Always	Read	NA		NA	0	255	0	Input	30252	30253

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11204	DCV Minimum OA Damper Position at Full Fan Capacity - Active	Active value for DCV Minimum OA Damper Position at Full Fan Capacity point being used for control.	Outside Air is Configured as 0-100% and DCV is Configured	Read	Setpoint Simple with Priority Array		%	0	40	0	Input	30256	30257
AV-11205	DCV Minimum OA Damper Position at Mid Fan Capacity - Active	Active value for DCV Minimum OA Damper Position at Mid Fan Capacity point being used for control.	Outside Air is Configured as 0-100% and Indoor Fan Type is Configured as Variable Speed and DCV is Configured	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30258	30259
AV-11206	DCV Minimum OA Damper Position at Min Fan Capacity - Active	Active value for DCV Minimum OA Damper Position at Min Fan Capacity point being used for control.	Outside Air is Configured as 0-100% and Indoor Fan Type is Configured as Variable Speed or Multi Speed and DCV is Configured	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30260	30261
AV-11209	Demand Shed Offset Setpoint - Active	Active value for Demand Shed Offset Setpoint point being used for control.	Demand Management Configured as Demand Shed	Read	Setpoint Simple with Priority Array		Δ°F	0	10	0	Input	30264	30265
AV-11211	Design Minimum OA Damper Position at Full Fan Capacity - Active	Active value for Design Minimum OA Damper Position at Full Fan Capacity point being used for control.	Outside Air is Configured as 0-50% Motorized Damper or 0-100%	Read	Setpoint Simple with Priority Array		%	0	50	0	Input	30268	30269
AV-11212	Design Minimum OA Damper Position at Mid Fan Capacity - Active	Active value for Design Minimum OA Damper Position at Mid Fan Capacity point being used for control.	Outside Air is Configured as 0-50% Motorized Damper or 0-100% and Indoor Fan Type is Configured as Variable Speed	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30270	30271
AV-11213	Design Minimum OA Damper Position at Min Fan Capacity - Active	Active value for Design Minimum OA Damper Position at Min Fan Capacity point being used for control.	Outside Air is Configured as 0-50% Motorized Damper or 0-100% and Indoor Fan Type is Configured as Variable Speed or Multi Speed	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30272	30273
AV-11214	Economizer Dry Bulb Disable Return Air Offset	Differential dry bulb economizer disable offset.	Outside Air is Configured as 0-100%	Write	NA	6	Δ°F	2	10	0	Holding	40290	40291
AV-11217	Filter Runtime Hours Setpoint - Active	Active value for Filter Runtime Hours Setpoint point being used for control.	Always	Read	Setpoint Simple with Priority Array		NA	0	10000	0	Input	30280	30281
AV-11218	Heat Primary Enable BAS - Active	Active value for Heat Primary Enable BAS point being used for control.	Primary Heating Source Configured	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30282	30283

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11219	Heating Capacity Setpoint BAS - Active	Active value for Heating Capacity Setpoint BAS point being used for control.	Primary Heating Source Configured	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30284	30285
AV-11220	Morning Warmup Setpoint BAS - Active	Active value for Morning Warmup Setpoint BAS point being used for control.	Heating Installed and System Type is Configured at VVDA or Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Read	Setpoint Simple with Priority Array		°F	50	90	0	Input	30286	30287
AV-11226	Space CO2 High Limit - Active	Active value for Space CO2 High Limit point being used for control.	Demand Controlled Ventilation is Configured as Installed	Read	Setpoint Simple with Priority Array		PPM	1000	2000	0	Input	30292	30293
AV-11227	Space CO2 Low Limit - Active	Active value for Space CO2 Low Limit point being used for control.	Demand Controlled Ventilation is Configured as Installed	Read	Setpoint Simple with Priority Array		PPM	300	1900	0	Input	30294	30295
AV-11236	Discharge Air Cooling Setpoint (Target) - Active	Active value for Discharge Air Cooling Setpoint (Target) point being used for control.	System Type Configured as VVZT and Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Read	Setpoint Simple with Priority Array		°F	40	80	0	Input	30302	30303
AV-11237	Discharge Air Heating Setpoint High Limit - Active	Active value for Discharge Air Heating Setpoint High Limit point being used for control.	VVZT and modulating gas heat installed	Read	Setpoint Simple with Priority Array		°F	50	150	0	Input	30304	30305
AV-11238	Duct Static Pressure Reset Time (seconds)	Reset time for fan speed on duct static pressure control (seconds)	System Type Configured as VVDA	Write	NA	5	NA	0.5	60	0	Holding	40200	40201
AV-11240	Duct Static Pressure Deadband Active	Active value for Supply Air Pressure Setpoint Deadband point being used for control.	System Type Configured as VVDA	Read	Setpoint Simple with Priority Array		In. of water	0.15	1.0	0	Input	30310	30311
AV-11241	Heating Reset Start Temp	Discharge air heating reset start temperature	Heating is Installed and System Type is Configured as VVDA	Write	NA	32	°F	0	95	0	Holding	40260	40261
AV-11242	Heating Reset End Temp	Discharge air heating reset end temperature	Heating is Installed and System Type is Configured as VVDA	Write	NA	60	°F	0	95	0	Holding	40262	40263
AV-11243	Supply Fan Maximum Speed Setpoint - Active	Active value for Supply Fan Maximum Speed Setpoint point being used for control.	Indoor Fan Type Configured as Multi Speed or Variable Speed	Read	Setpoint Simple with Priority Array		%	25	100	0	Input	30316	30317
AV-11245	Supply Fan Minimum Speed Setpoint - Active	Active value for Supply Fan Minimum Speed Setpoint point being used for control.	Indoor Fan Type Configured as Multi Speed or Variable Speed	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30320	30321

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11247	Cooling Demand Limit Capacity Enable Setpoint - Active	Active value for Cooling Demand Limit Capacity Enable Setpoint point being used for control.	Demand Management Configured as Demand Limit	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30324	30325
AV-11248	Economizer Minimum Position Setpoint Active	Indicates the economizer min position setpoint value resulting from arbitration	Outside Air is Configured as 0-50% Motorized Damper or 0-100%	Read	NA		%	0	100	0	Input	30326	30327
AV-11249	Heating Capacity Secondary Status	Indicates the unit secondary heating capacity being utilized.	Secondary Heating Source Configured	Read	NA		%	0	100	0	Input	30328	30329
AV-11250	Occupied Standby Cooling Setpoint BAS - Active	Active value for Occupied Standby Cooling Setpoint BAS	Space Controller Configured as Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	Setpoint Simple with Priority Array		°F	52	95	0	Input	30330	30331
AV-11251	Occupied Standby Heating Setpoint BAS - Active	Active value for Occupied Standby Heating Setpoint BAS	Heating Installed and Space Controller Configured as Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	Setpoint Simple with Priority Array		°F	50	92	0	Input	30332	30333
AV-11252	Preheat Type	Identifies the product preheat type	Always	Read	NA		NA	0	255	0	Input	30334	30335
AV-11253	Reheat Type	Identifies the product reheat type	Always	Read	NA		NA	0	255	0	Input	30336	30337
AV-11254	Space CO2 Concentration Active	Indicates the active space CO2 concentration being used by the controller	CO2 Sensor Configured	Read	Sensor Complex		PPM	0	2000	0	Input	30338	30339
AV-11256	Compressor Cooling P-Gain (%/F)	Proportional gain for single loop Compressor Cooling PI controller (%/F)	System Type Configured as CVZT or VVZT and Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Write	NA	*See [b]	%	0.1	100	0	Holding	40156	40157
AV-11257	Compressor Cooling Reset Time (seconds)	Reset time for single loop compressor Cooling PI controller (second)	System Type Configured as CVZT or VVZT and Space Controller is Configured as Single or Dual Setpoint Zone Sensor	Write	NA	*See [b]	NA	10	3600	0	Holding	40158	40159
AV-11258	Economizer Cooling P-Gain - 1 (%/F)	Proportional gain for 1st loop Econ PI controller (%/F), for CVZT/VVZT systems.	System Type Configured as CVZT/VVZT and Outside Air is configured as 0-100%	Write	NA	2	%	0.1	100	0	Holding	40160	40161

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11259	Economizer Cooling Reset Time - 1 (Seconds)	Reset time for 1st loop Econ PI controller (seconds), for CVZT/VVZT systems.	System Type Configured as CVZT/VVZT and Outside Air is configured as 0-100%	Write	NA	1000	NA	10	3600	0	Holding	40162	40163
AV-11264	Compressor Heating P-Gain (%/F)	Proportional gain for single loop Heat Pump Heating PI controller (%/F)	Heat Pumps with Space Controller not Configured as Conventional TStat	Write	NA	*See [c]	%	0.1	100	0	Holding	40168	40169
AV-11265	Compressor Heating Reset Time (seconds)	Reset time for single loop Heat Pump Heating PI controller (seconds)	Heat Pumps with non-Thermostat CVZT, VVZT System Type	Write	NA	*See [c]	NA	10	3600	0	Holding	40170	40171
AV-11266	Auxiliary Heating P-Gain (%/F)	Proportional gain for Electric single loop PI controller (%/F)	Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor and Primary Heat is Installed	Write	NA	*See [d]	%	0.1	100	0	Holding	40172	40173
AV-11267	Auxiliary Heating Reset Time (seconds)	Reset time for Electric single loop PI controller (in seconds)	Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor and Primary Heat is Installed	Write	NA	*See [d]	NA	10	3600	0	Holding	40174	40175
AV-11268	Compressor Cooling P-Gain - 1 (%/F)	Proportional gain for 1st loop Cooling PI controller (%/F)	System Type Configured as VVZT and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor	Write	NA	2	%	0.1	100	0	Holding	40176	40177
AV-11269	Compressor Cooling Reset Time - 1 (seconds)	Reset time for 1st loop Cooling PI controller (second)	System Type Configured as VVZT and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor	Write	NA	1000	NA	10	3600	0	Holding	40178	40179
AV-11270	Compressor Cooling P-Gain - 2 (%/F)	Proportional gain for 2nd loop compressor cooling PI controller (%/F)	System Type Configured as VVZT and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor	Write	NA	5	%	0.1	100	0	Holding	40180	40181
AV-11271	Compressor Cooling Reset Time - 2 (seconds)	Reset time for 2nd loop compressor cooling PI controller (second)	System Type Configured as VVZT and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor	Write	NA	80	NA	1	1000	0	Holding	40182	40183

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11272	Economizer Discharge Air Setpoint	Discharge Air Setpoint selection to be used for Economizer control on Conventional Thermostat controlled units.	Outside Air is Configured as 0-100% and Space Controller is Configured as Conventional TStat	Write	Setpoint Simple with Priority Array	55	°F	40	80	0	Holding	40184	40185
AV-11273	Economizer Discharge Air Setpoint - Active	Active Discharge Air Setpoint used for Economizer control on Conventional Thermostat controlled units.	Outside Air is Configured as 0-100% and Space Controller is Configured as Conventional TStat	Read	Setpoint Simple with Priority Array		°F	40	80	0	Input	30340	30341
AV-11274	Heat Pump Heating Lockout Setpoint	Setpoint at which to disable heat pump heating based on outdoor air temperature.	Heat Pump Systems	Write	Setpoint Simple with Priority Array	0	°F	*See [e]	45	0	Holding	40186	40187
AV-11275	Heat Pump Heating Lockout Setpoint - Active	Setpoint at which to disable heat pump heating based on outdoor air temperature.	Heat Pump Systems	Read	Setpoint Simple with Priority Array		°F	-18	45	0	Input	30342	30343
AV-11276	Space Temperature Setpoint Input Active	Active space temperature input setpoint as determined by arbitrating the space temperature setpoint inputs (wired and air-fi) with the space temperature setpoint BAS.	Space Controller Configured as Single Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	Setpoint Simple BAS		°F	49	95	0	Input	30344	30345
AV-11277	Space Temperature Cooling Setpoint Input Active	Active cooling space temperature input setpoint as determined by arbitrating the cooling setpoint inputs (wired and air-fi) with the occupied setpoint BAS.	Space Controller Configured as Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	Setpoint Simple BAS		°F	52	95	0	Input	30346	30347
AV-11278	Supply Fan Power	Supply Fan Drive Output Power	Indoor Fan Type Configured as Multi Speed or Variable Speed	Read	NA		KW	0	120	0	Input	30348	30349
AV-11280	Duct Static Pressure Setpoint Active	Indicates the duct static pressure control setpoint value resulting from arbitration	System Type Configured as VVDA	Read	Setpoint Simple with Priority Array		In. of water	0	3.5	0	Input	30352	30353
AV-11281	Dehumidification Control Status	Indicates the status of the unit dehumidification capacity	Hot Gas Reheat is Configured as Installed	Read	NA		%	0	100	0	Input	30354	30355
AV-11282	Supply Fan 1 Maximum RPM Status	Active value for Supply Fan 1 Maximum Output RPM point being used for control.	Always	Read	NA		NA	0	3000	0	Input	30394	30395
AV-11283	Supply Fan Minimum RPM Status	Active value for Supply Fan Minimum Output RPM point being used for control.	Always	Read	NA		NA	0	3000	0	Input	30358	30359

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11284	Run Time - Supply Fan 2 (Hours)	Supply Fan 2 Runtime	Tonnage is Configured as 15-25 tons	Read	NA		NA	0	200000	0	Input	30360	30361
AV-11285	Starts - Supply Fan 2	Counter for Supply Fan 2 Starts	Tonnage is Configured as 15-25 tons	Read	NA		NA	0	1500000	0	Input	30362	30363
AV-11286	Motorized Damper Position Setpoint	Motorized Damper Position Setpoint	Outside Air is Configured as 0-50% Motorized Damper	Write	Setpoint Simple with Priority Array	10	%	0	50	0	Holding	40188	40189
AV-11287	Motorized Damper Position Setpoint - Active	Active value for Motorized Damper Position Setpoint	Outside Air is Configured as 0-50% Motorized Damper	Read	Setpoint Simple with Priority Array		%	0	50	0	Input	30364	30365
AV-11288	Standby Minimum OA Damper Position at Full Fan Capacity	Standby Minimum OA Damper Position at Full Fan Capacity	Outside Air is Configured as 0-100% and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor and System Type is Configured as VVZT or CVZT	Write	Setpoint Simple with Priority Array	10	%	0	50	0	Holding	40190	40191
AV-11289	Standby Minimum OA Damper Position at Full Fan Capacity - Active	Active value for Standby Minimum OA Damper Position at Full Fan Capacity point being used for control.	Outside Air is Configured as 0-100% and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor and System Type is Configured as VVZT or CVZT	Read	Setpoint Simple with Priority Array		%	0	50	0	Input	30366	30367
AV-11290	Standby Minimum OA Damper Position at Mid Fan Capacity	Standby Minimum OA Damper Position at Mid Fan Capacity	Outside Air is Configured as 0-100% and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor and System Type is Configured as VVZT or CVZT and Indoor Fan Type is Configured as Variable Speed	Write	Setpoint Simple with Priority Array	15	%	0	100	0	Holding	40192	40193
AV-11291	Standby Minimum OA Damper Position at Mid Fan Capacity - Active	Active value for Standby Minimum OA Damper Position at Mid Fan Capacity point being used for control.	Outside Air is Configured as 0-100% and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor and System Type is Configured as VVZT or CVZT and Indoor Fan Type is Configured as Variable Speed	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30368	30369

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11292	Standby Minimum OA Damper Position at Min Fan Capacity	Standby Minimum OA Damper Position at Min Fan Capacity	Outside Air is Configured as 0-100% and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor and System Type is Configured as VVZT or CVZT and Indoor Fan Type is Configured as Variable Speed or Multi Speed	Write	Setpoint Simple with Priority Array	25	%	0	100	0	Holding	40194	40195
AV-11293	Standby Minimum OA Damper Position at Min Fan Capacity - Active	Active value for Standby Minimum OA Damper Position at Min Fan Capacity point being used for control.	Outside Air is Configured as 0-100% and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor and System Type is Configured as VVZT or CVZT and Indoor Fan Type is Configured as Variable Speed or Multi Speed	Read	Setpoint Simple with Priority Array		%	0	100	0	Input	30370	30371
AV-11294	Supply Fan 2 Power	Supply Fan 2 Output Power	Tonnage is Configured as 15-25 tons	Read	NA		KW	0	120	0	Input	30372	30373
AV-11295	Run Time - Gas Heat Stage 1 (Hours)	Gas heat Stage 1 Runtime	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged	Read	NA		NA	0	200000	0	Input	30374	30375
AV-11296	Starts - Gas Heat Stage 1	Gas heat Stage 1 Starts	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged	Read	NA		NA	0	1500000	0	Input	30376	30377
AV-11297	Run Time - Gas Heat Stage 2 (Hours)	Gas heat Stage 2 Runtime	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged	Read	NA		NA	0	200000	0	Input	30378	30379
AV-11298	Starts - Gas Heat Stage 2	Gas heat Stage 2 Starts	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged	Read	NA		NA	0	1500000	0	Input	30380	30381
AV-11299	Return Air Humidity Active	Active Return Air Humidity sensor used for control	Economizer Type is Configured as Comparative Enthalpy	Read	Sensor Complex		%	0	100	0	Input	30382	30383
AV-11300	Return Air Humidity Arbitrator	Arbitrator for Return Air Humidity	Economizer Type is Configured as Comparative Enthalpy	Write	Sensor Complex	65535	%	0	100	0	Holding	40196	40197

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11301	Return Air Enthalpy Active	The return air enthalpy value being utilized by the unit	Economizer Type is Configured as Comparative Enthalpy	Read	NA		BTUs/pound	10	96	0	Input	30384	30385
AV-11302	Relief Enable Position Setpoint Status	Outdoor air damper position to enable Relief sequence	Space Pressure Control is Configured	Read	NA		%	0	100	0	Input	30038	30039
AV-11304	Supply Fan RPM	Supply Fan 1 RPM	Tonnage is Configured as 6-25 tons	Read	NA		NA	0	3000	0	Input	30386	30387
AV-11305	Supply Fan 2 RPM	Supply Fan 2 RPM	Tonnage is Configured as 15-25 tons	Read	NA		NA	0	3000	0	Input	30388	30389
AV-11306	Supply Fan 2 Maximum RPM Status	Active value for Supply Fan 2 Maximum Output RPM point being used for control.	Tonnage is Configured as 15-25 tons	Read	NA		NA	0	3000	0	Input	30396	30397
AV-11307	Discharge Air Heating Setpoint (Target) - Active	Active value for Discharge Air Heating Setpoint (Target) point being used for control.	VVZT and modulating gas heat installed	Read	Setpoint Simple with Priority Array		°F	50	150	0	Input	30306	30307
AV-11308	Duct Static Pressure Setpoint High Limit Setpoint BAS	Duct Static Pressure Setpoint High Limit is used to limit fan speed prevent damage to equipment	System Type Configured as VVDA	Write	Setpoint Simple with Priority Array	3.5	In. of water	1.2	4.7	0	Holding	40202	40203
AV-11309	Duct Static Pressure Setpoint High Limit Setpoint BAS - Active	Active Duct Static Pressure Setpoint High Limit is used to limit fan speed prevent damage to equipment	System Type Configured as VVDA	Read	Setpoint Simple with Priority Array		In. of water	1.2	4.7	0	Input	30390	30391
AV-11314	Comfort Purge Interval (minutes)	User adjustable setpoint used to set the amount of time the compressor will run on the reheat circuit before entering Comfort Purge Cycle.	Hot Gas Reheat is configured as Installed	Write	NA	90	NA	60	120	0	Holding	40246	40247
AV-11315	Reheat Purge Interval (minutes)	User adjustable setpoint used to set the amount of time the compressors on the reheat circuit will operate in Reheat mode before entering Reheat Purge Cycle.	Hot Gas Reheat is configured as Installed	Write	NA	120	NA	60	180	0	Holding	40248	40249
AV-11316	Reheat P-Gain 1	Proportional gain for 1st loop Reheat PI controller (%/F)	Space Controller or VVDA and Hot Gas Reheat is configured as Installed	Write	NA	4	%	0.1	100	0	Holding	40222	40223
AV-11317	Reheat Reset Time - 1	Reset time for 1st loop Reheat PI controller (second)	Space Controller or VVDA and Hot Gas Reheat is configured as Installed	Write	NA	1200	NA	10	3600	0	Holding	40226	40227
AV-11318	Reheat P-Gain 2	Proportional gain for 2nd loop Reheat PI controller (%/F)	Space Controller or VVDA and Hot Gas Reheat is configured as Installed	Write	NA	*See (g)	%	0.1	100	0	Holding	40228	40229

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11319	Reheat Reset Time - 2	Reset time for discharge air Reheat PI controller (second)	Space Controller or VVDA and Hot Gas Reheat is configured as Installed	Write	NA	100	NA	10	3600	0	Holding	40232	40233
AV-11320	Space Dew Point Setpoint BAS	User adjustable setpoint used to set the maximum Space Dew Point Setpoint in Dew Point Humidity Control.	Hot Gas Reheat is configured as Installed and Humidistat is Configured as Not installed	Write	NA	60	°F	40	80	0	Holding	40234	40235
AV-11321	Dew Point Setpoint Offset BAS	User adjustable setpoint used to set the maximum Space Dew Point Setpoint Offset in Dew Point Humidity Control.	Hot Gas Reheat is configured as Installed and Humidistat is Configured as Not installed	Write	NA	5	°F	2	20	0	Holding	40238	40239
AV-11323	Outdoor Air Dew Point Setpoint BAS	User adjustable setpoint used to set the Outdoor Air Dew Point Setpoint in Dew Point Humidity Control.	Hot Gas Reheat is configured as Installed and Humidistat is Configured as Not installed	Write	NA	60	°F	40	80	0	Holding	40240	40241
AV-11326	Space Dehumidification Setpoint Offset BAS	Setting for unit to use for applying a % offset to the space relative humidity setpoint.	Hot Gas Reheat is Configured as Installed	Write	NA	10	%	2	20	0	Holding	40242	40243
AV-11327	Space Dehumidification Setpoint BAS	Setting for unit to use to control dehumidification.	Hot Gas Reheat is Configured as Installed	Write	NA	60	%	40	60	0	Holding	40244	40245
AV-11329	Space Dehumidification Unoccupied Setpoint BAS	Used to define the (occupied) space dehumidification setpoint	Hot Gas Reheat is configured as Installed and Humidistat is Configured as Not installed	Write	Setpoint Simple with Priority Array	65	%	40	65	0	Holding	40258	40259
AV-11330	Space Dew Point Unoccupied Setpoint BAS	User adjustable setpoint used to set the maximum Space Dew Point Unoccupied Setpoint in Dew Point Humidity Control.	Hot Gas Reheat is configured as Installed and Humidistat is Configured as Not installed	Write	NA	60	°F	40	80	0	Holding	40236	40237
AV-11331	Compressor Dehumid P-Gain 2	Proportional Gain for 2nd loop Compressor Dehumid PI controller (%/deg F)	Hot Gas Reheat is configured as Installed	Write	NA	2	°F	0.1	80	0	Holding	40250	40251
AV-11332	Compressor Dehumid P-Gain 1	Proportional gain for 1st loop Compressor Dehumid PI controller (%/F)	Hot Gas Reheat is configured as Installed	Write	NA	3	°F	0.1	80	0	Holding	40252	40253
AV-11333	Compressor Dehumid Reset Time - 2 (seconds)	Reset time for 2nd loop compressor Dehumid PI controller (second)	Hot Gas Reheat is configured as Installed	Write	NA	100	NA	1	1000	0	Holding	40230	40231

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11334	Compressor Dehumid Reset Time - 1 (seconds)	Reset time for 1st loop Dehumid PI controller (second)	Hot Gas Reheat is configured as Installed	Write	NA	1000	NA	10	3600	0	Holding	40224	40225
AV-11335	Pre Cool Setpoint BAS	Defines the space temp above which Pre Cool is enabled	Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor or System Type is Configured as VVDA	Write	Setpoint Simple with Priority Array	74	°F	50	90	0	Holding	40254	40255
AV-11336	Pre Cool Setpoint BAS - Active	Active value for Pre Cool Setpoint BAS point being used for control.	Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor or System Type is Configured as VVDA	Read	Setpoint Simple with Priority Array		°F	50	90	0	Input	30404	30405
AV-11337	Refrigerant Target Setpoint Active	Indicates the refrigerant target setpoint actively being used for dehumidification control.	Hot Gas Reheat is Configured as installed	Read	NA		°F	39	200	0	Input	30406	30407
AV-11338	Space Dew Point Setpoint Active	Indicates the Occupied Space Dew Point Setpoint actively being used for dehumidification control.	Hot Gas Reheat is configured as Installed and Humidistat is Configured as Not installed	Read	NA		°F	40	80	0	Input	30410	30411
AV-11340	Dew Point Setpoint Offset BAS - Active	Indicates the Dew Point Setpoint Offset actively being used for dehumidification control.	Hot Gas Reheat is configured as Installed and Humidistat is Configured as Not installed	Read	NA		°F	2	20	0	Input	30414	30415
AV-11341	Outdoor Air Dew Point Setpoint BAS - Active	Indicates the Outdoor Air Dew Point Setpoint Offset actively being used for dehumidification control.	Hot Gas Reheat is configured as Installed and Humidistat is Configured as Not installed	Read	NA		°F	40	80	0	Input	30416	30417
AV-11342	Unoccupied Dehumidification Timer	User adjustable time the space relative humidity is controlled <65% in unoccupied mode.	Hot Gas Reheat is Configured as installed	Write	NA	720	NA	0	720	0	Holding	40270	40271
AV-11343	Heating Reset Amount	Discharge air heating amount to reset between start and end temperatures	System Type is Configured as VVDA and Primary Heat is Configured.	Write	NA	5	Δ°F	0	20	0	Holding	40264	40265
AV-11344	VAV Box Stroke Timer	User adjustable VAV Box Stroke time that should be allowed for full airflow modes of operation.	System Type is Configured as VVDA	Write	NA	360	NA	0	600	0	Holding	40268	40269

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11346	Economizer Cooling P-Gain (%/F)	Proportional gain for VVDA systems Econ PI controller (%/F).	System Type Configured as VVDA and Outside Air is Configured as 0-100%	Write	NA	2	%	0.1	100	0	Holding	40272	40273
AV-11347	Economizer Cooling Reset Time (Seconds)	Reset time for VVDA systems Econ PI controller (in seconds).	System Type Configured as VVDA and Outside Air is Configured as 0-100%	Write	NA	100	NA	10	3600	0	Holding	40274	40275
AV-11348	Economizer Cooling P-Gain - 2 (%/F)	Proportional gain for 2nd loop Econ PI controller (%/F), for CVZT/VVZT systems.	System Type Configured as CVZT/VVZT and Outside Air is Configured as 0-100%	Write	NA	2	%	0.1	100	0	Holding	40276	40277
AV-11349	Economizer Cooling Reset Time - 2 (Seconds)	Reset time for 2nd loop Econ PI controller (seconds), for CVZT/VVZT systems.	System Type Configured as CVZT/VVZT and Outside Air is Configured as 0-100%	Write	NA	100	NA	10	3600	0	Holding	40278	40279
AV-11350	Auxiliary Heating P-Gain - 1 (%/F)	Space control proportional gain for 1st loop Heating PI controller (%/F)	System type VVZT with Modulating Gas Auxiliary Heat Installed	Write	NA	2	%	0.1	100	0	Holding	40280	40281
AV-11351	Auxiliary Heating Reset Time - 1 (seconds)	Space control reset Time for 1st loop Auxiliary Heating PI Controller (in seconds)	System type VVZT with Modulating Gas Auxiliary Heat Installed	Write	NA	1000	NA	10	3600	0	Holding	40282	40283
AV-11352	Auxiliary Heating P-Gain - 2 (%/F)	Space control proportional gain for 2nd loop Heating PI controller (%/F)	System type VVZT with Modulating Gas Auxiliary Heat Installed	Write	NA	1	%	0.1	100	0	Holding	40284	40285
AV-11353	Auxiliary Heating Reset Time - 2 (seconds)	Space control reset Time for 2nd loop Auxiliary Heating PI Controller (in seconds)	System type VVZT with Modulating Gas Auxiliary Heat Installed	Write	NA	100	NA	10	3600	0	Holding	40286	40287
AV-11354	Discharge Air Heating Setpoint Low Limit	Discharge Air Heating Setpoint Low Limit (deg F)	System type VVZT with Modulating Gas Auxiliary Heat Installed	Write	Setpoint Simple with Priority Array	50	°F	50	150	0	Holding	40288	40289
AV-11355	Discharge Air Heating Setpoint Low Limit - Active	Active value for Discharge Air Heating Setpoint Low Limit point being used for control.	System type VVZT with Modulating Gas Auxiliary Heat Installed	Read	Setpoint Simple with Priority Array		°F	50	150	0	Input	30432	30433
AV-11356	Discharge Air Cooling Setpoint Status	Indicates actual discharge air cooling setpoint value being used for control	System Type is Configured as VVDA	Read	NA		°F	-40	200	0	Input	30434	30435
AV-11357	Discharge Air Heating Setpoint Status	Indicates actual discharge air heating setpoint value being used for control	System Type is Configured as VVDA and Primary Heating Source is Installed	Read	NA		°F	-40	200	0	Input	30436	30437

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11358	Discharge Air Reheating Setpoint High Limit - Active	Active value for Discharge Air Reheating Setpoint High Limit point being used for control.	Hot Gas Reheat is Configured as Installed and Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor	Read	Setpoint Simple with Priority Array		°F	50	150	0	Input	30438	30439
AV-11359	Discharge Air Reheating Setpoint Low Limit - Active	Active value for Discharge Air Reheating Setpoint Low Limit point being used for control.	Hot Gas Reheat is Configured as Installed and Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor	Read	Setpoint Simple with Priority Array		°F	40	150	0	Input	30440	30441
AV-11360	Discharge Air Reheating Setpoint High Limit	Discharge Air Reheating Setpoint High Limit (deg F)	Hot Gas Reheat is Configured as Installed and Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor	Write	Setpoint Simple with Priority Array	104	°F	50	150	0	Holding	40292	40293
AV-11361	Discharge Air Reheating Setpoint Low Limit	Discharge Air Reheating Setpoint Low Limit (deg F)	Hot Gas Reheat is Configured as Installed and Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor	Write	Setpoint Simple with Priority Array	50	°F	40	150	0	Holding	40294	40295
AV-11362	Run Time - Gas Heat Manifold 1 Burner 1 (Hours)	Gas heat runtime	Modulating gas heat is configured	Read	NA		NA	0	200000	0	Input	30442	30443
AV-11363	Starts - Gas Heat Manifold 1 Burner 1	Gas heat starts	Modulating gas heat is configured	Read	NA		NA	0	1500000	0	Input	30444	30445
AV-11364	Run Time - Gas Heat Manifold 1 Burner 2 (Hours)	Gas heat runtime	Modulating gas heat is configured	Read	NA		NA	0	200000	0	Input	30446	30447
AV-11365	Starts - Gas Heat Manifold 1 Burner 2	Gas heat starts	Modulating gas heat is configured	Read	NA		NA	0	1500000	0	Input	30448	30449
AV-11368	Auxiliary Heating P-Gain Modulating Gas Staging (%/F)	Proportional gain for 2nd loop-Staging control for Modulating Gas Heating	Modulating gas heat is configured	Write	NA	5	%	0.1	100	0	Holding	40306	40307
AV-11369	Auxiliary Heating Reset Time Modulating Gas Staging (seconds)	Reset Time for 2nd loop-Staging control for Modulating Gas Heating	Modulating gas heat is configured	Write	NA	80	NA	10	3600	0	Holding	40308	40309
AV-11375	Run Time - Circuit 1 Condenser Defrost (Hours)	Circuit 1 Condenser Defrost Run Time	Heat Pump Systems	Read	NA		NA	0	200000	0	Input	30454	30455
AV-11376	Starts - Circuit 1 Condenser Defrost	Circuit 1 Condenser Defrost Starts	Heat Pump Systems	Read	NA		NA	0	1500000	0	Input	30456	30457

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11383	Condenser Fan Capacity	Indicates the status of the total unit condenser fan capacity.	Always	Read	NA		%	0	100	0	Input	30464	30465
AV-11384	Compressor Cooling Modulating P-Gain - 2 (%/F)	Proportional gain for 2nd loop modulating compressor cooling PI controller (%/F)	System Type Configured as VVZT and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor	Write	NA	2	%	0.1	100	0	Holding	40318	40319
AV-11385	Compressor Cooling Modulating Reset Time - 2 (seconds)	Reset time for 2nd loop modulating compressor cooling PI controller (second)	System Type Configured as VVZT and Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor	Write	NA	100	NA	1	1000	0	Holding	40320	40321
AV-11386	Compressor Cooling Modulating P-Gain (%/F)	Proportional gain for discharge air control - modulating compressor cooling PI controller (%/F)	System Type Configured as VVDA	Write	NA	1	%	0.1	100	0	Holding	40322	40323
AV-11387	Compressor Cooling Modulating Reset Time (seconds)	Reset time for discharge air controls - modulating compressor cooling PI controller (seconds)	System Type Configured as VVDA	Write	NA	100	NA	10	3600	0	Holding	40324	40325
AV-11388	Control State	Control State Status.	Always	Read	NA		NA	0	100	0	Input	30466	30467
AV-11389	Demand Defrost Initiate Delta Temperature	When the difference between coil temperature and outdoor temperature exceeds this value, demand defrost will be initiated.	Heat Pump Systems	Read	NA		Δ°F	0	100	0	Input	30476	30477
AV-11392	Discharge Air Cooling Setpoint Y1	Used to request discharge air temp cooling setpoint value.	Configured for Conventional Thermostat control and Thermostat Control Method Request is set to Enhanced.	Write	Setpoint Simple with Priority Array	60	°F	40	80	0	Holding	40326	40327
AV-11393	Discharge Air Cooling Setpoint Y1 - Active	Active value for Discharge Air Cooling Setpoint Y1 point being used for control.	Configured for Conventional Thermostat control and Thermostat Control Method Request is set to Enhanced.	Read	Setpoint Simple with Priority Array		°F	40	80	0	Input	30482	30483
AV-11394	Discharge Air Cooling Setpoint Y2	Used to request discharge air temp cooling setpoint value.	Configured for Conventional Thermostat control and Thermostat Control Method Request is set to Enhanced.	Write	Setpoint Simple with Priority Array	50	°F	40	80	0	Holding	40328	40329

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11395	Discharge Air Cooling Setpoint Y2 - Active	Active value for Discharge Air Cooling Setpoint Y2 point being used for control.	Configured for Conventional Thermostat control and Thermostat Control Method Request is set to Enhanced.	Read	Setpoint Simple with Priority Array		°F	40	80	0	Input	30484	30485
AV-11398	Dehumidification Disable Space Temperature Setpoint	Value used to disable Dehumidification when compared to the Space Temperature.	Space Controller and Hot Gas Reheat is configured as Installed	Write	NA	68	°F	60	90	0	Input	30490	30491
AV-11399	Supply Fan Maximum Speed Setpoint Heating	Maximum supply fan speed command Heating.	Indoor Fan Type Configured as Multi Speed or Variable Speed	Write	NA	*See (f)	%	*See (f)	100	0	Holding	40330	40331
AV-11400	Low Saturated Suction Refrig Temp Abnormal Deviation Offset	Low Saturated Suction Refrig Temp Abnormal Deviation Offset	3-5 tons, High Efficiency (HE) Heat Pump configurations	Write	NA	15	Δ°F	-100	200	0	Holding	40332	40333
AV-11401	Low Saturated Suction Refrig Temp Coefficient 1	Low Saturated Suction Refrig Temp Coefficient 1	3-5 tons, High Efficiency (HE) Heat Pump configurations	Write	NA	7.73	NA	-100	100	0	Holding	40334	40335
AV-11402	Low Saturated Suction Refrig Temp Coefficient 2	Low Saturated Suction Refrig Temp Coefficient 2	3-5 tons, High Efficiency (HE) Heat Pump configurations	Write	NA	0.19	NA	0	100	0	Holding	40336	40337
AV-11403	Entering Water Temperature Arbitrator	Indicates the Entering Water temperature determined by arbitration	Water Source Heat Pump Precedent 6-25T with R454B Refrigerant.	Write	Sensor Complex	65535	°F	-40	200	0	Holding	40338	40339
AV-11404	Entering Water Temperature BAS	Used to send the Entering Water temperature sensor value	Water Source Heat Pump Precedent 6-25T with R454B Refrigerant.	Write	Sensor Complex		°F	-40	200	900	Holding	40340	40341
AV-11405	Heat Pump Heating Changeover Delay (Minutes)	Heat Pump Changeover Delay is the time period used to determine when to add or switch to secondary heat, after the heat pump has been operating at maximum capacity for the entire duration of the delay	Heat Pump with Secondary Heat	Write	NA	10	NA	0	60000	0	Holding	40342	40343

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2
AV-11406	Heat Pump Heating Changeover Offset	Heat Pump Changeover Offset is the temperature difference used by the heat pump heating control to decide whether to add or switch to secondary heat when the active space temperature is lower than the heating setpoint minus this offset.	Heat Pump with Secondary Heat	Write	NA	2	°F	-50	50	0	Holding	40344	40345
AV-11407	Heat Pump Heating Space Recovery Delta	Heat Pump Heating Space Recovery Delta is used by the heat pump heating control to determine whether to add or switch to secondary heat when the active space temperature increases by less than this delta, averaged over a 10-minute period.	Heat Pump with Secondary Heat	Write	NA	1	NA	-10	10	0	Holding	40346	40347
AV-11414	Supply Air Tempering Enable Setpoint	Units with Supply Air Tempering configured as installed. Discharge Air Temperature must be less than this setpoint for supply air tempering to initiate.	Thermostat Units with Staged Gas or Staged Electric Heat configured for Supply Air Tempering	Write	NA	58	°F	40	80	0	Holding	40352	40353
AV-11415	Supply Air Tempering Disable Setpoint	Units with Supply Air Tempering configured as installed. Discharge Air Temperature must be greater than this setpoint for supply air tempering to terminate.	Thermostat Units with Staged Gas or Staged Electric Heat configured for Supply Air Tempering	Write	NA	72	°F	50	90	0	Holding	40354	40355
AV-11416	Supply Air Tempering Delay (Seconds)	Thermostat controlled units with Supply Air Tempering configured as installed. Defines the required time heating and cooling to be off before supply air tempering can initiate.	Thermostat Units with Staged Gas or Staged Electric Heat configured for Supply Air Tempering	Write	NA	300	NA	60	900	0	Holding	40356	40357

[a] Supply Fan Maximum speed relinquish default values are based on unit size. Refer to Precedent Application Guide ACC-APG002* for additional details.

[b] For units confgured as VVZT or CVZT, the factory relinquish default values are: Compressor Cooling P-Gain (%/F) = 80 and Compressor Cooling Reset Time (seconds) = 500.

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Units	Low Limit	High Limit	Heartbeat Interval (seconds)	Modbus Register Type	Modbus Register 1	Modbus Register 2

For units configured to operate using a Conventional Thermostat, the factory relinquish default values are: Compressor Cooling P-Gain (%/F) = 1 and Compressor Cooling Reset Time (seconds) = 80.
For units configured as VVDA, the factory relinquish default values are: Compressor Cooling P-Gain (%/F) = 5 and Compressor Cooling Reset Time (seconds) = 80.

(c) For units confgured as VVZT or CVZT, the factory relinquish default values are: Compressor Heating P-Gain (%/F) = 80 and Compressor Heating Reset Time (seconds) = 500.
For units configured as VVDA, the factory relinquish default values are: Compressor Cooling P-Gain (%/F) = 5 and Compressor Cooling Reset Time (seconds) = 80.

(d) For units equipped with Electric Heat and configured as VVZT or CVZT, the factory relinquish default values are: Auxiliary Heating P-Gain (%/F) = 80 and Auxiliary Heating Reset Time (seconds) = 500.

For units equipped with Electric Heat and configured as VVDA, the factory relinquish default values are: Auxiliary Heating P-Gain (%/F) = 5 and Auxiliary Heating Reset Time (seconds) = 80.

For units equipped with Staged Gas Heat and configured as VVZT or CVZT, the factory default values are: Auxiliary Heating P-Gain (%/F) = 40 and Auxiliary Heating Reset Time (seconds) = 500.

For units equipped with Staged Gas Heat and configured as VVDA, the factory relinquish default values are: Auxiliary Heating P-Gain (%/F) = 5 and Auxiliary Heating Reset Time (seconds) = 80.

For units equipped with Modulating Gas Heat and configured as VVDA, the factory relinquish default values are: Auxiliary Heating P-Gain (%/F) = 5 and Auxiliary Heating Reset Time (seconds) = 100.

(e) For 410A units, low limit for Heat Pump Heating Lockout Setpoint is -18°F

For 454B units, low limit for Heat Pump Heating Lockout Setpoint is -8°F

(f) Supply Fan Minimum speed relinquish default and low limit values are based on unit size. Refer to Precedent Application Guide ACC-APG002* for additional details.

(g) Reheat P-Gain 2 relinquish default value is based on unit cabinet size. For cabinets A0, B0 & C0 = 0.5. For Cabinets D0 and D1 = 1.

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Object States	Polarity	Modbus Register Type	Modbus Register 1
BI-10105	FDD: Unit Economizing When It Should Not	Diagnostic: Unit Economizing When It Should Not	Outside Air is Configured as 0-100% Economizer	Read	NA	false = Inactive true = Active	Normal	Input	33010
BI-10106	FDD: Unit Not Economizing When It Should	Diagnostic: Unit Not Economizing When It Should	Outside Air is Configured as 0-100% Economizer	Read	NA	false = Inactive true = Active	Normal	Input	33011
BI-10107	FDD: Excessive Outdoor Air	Diagnostic: Excessive Air	Outside Air is Configured as 0-100% Economizer	Read	NA	false = Inactive true = Active	Normal	Input	33012
BI-10108	FDD: Outdoor Air Damper Not Modulating	Diagnostic: Damper NOT Modulating	Outside Air is Configured as 0-100% Economizer	Read	NA	false = Inactive true = Active	Normal	Input	33013
BI-10121	Relief Fan Output Status	Indicates the status of the Relief fan output on the controller	Space Pressure Control is Configured	Read	NA	false = Off true = On	Normal	Input	33014
BI-10143	VAV Box Command	Indicates whether the associated VAV boxes should be AUTO or forced open	System Type is Configured as VVDA	Read	NA	false = Off true = On	Normal	Input	33015
BI-10170	Condensate Overflow Input	Indicates the status of the condensate overflow input	Condensate Overflow Switch is Configured as Installed	Read	NA	false = Open true = Closed	Normal	Input	33017
BI-10172	Occupancy Input	Indicates the status of the wired occupancy input	Space Controller is Configured as Single Setpoint or Dual Setpoint Sensor with/without Outside Air Configured as 0-100% or System Type is Configured as VVDA	Read	Sensor Complex	false = Occupied true = Unoccupied	Normal	Input	33018
BI-10210	Equipment Shutdown Input Status	Indicates the status of the equipment shutdown function of the unit	Always	Read	NA	false = Equipment Run true = Equipment Shutdown	Normal	Input	33019
BI-10211	External Auto Stop Input Status	Indicates the status of the externally-wired auto/stop input	External Auto/Stop Configured as Installed	Read	NA	false = Stop true = Auto	Reverse	Input	33020
BI-10219	Economizer Airside Status	Indicates the status of airside economizing	Outside Air is Configured as 0-100%	Read	NA	false = Inactive true = Active	Normal	Input	33021
BI-10226	Supply Fan Status	Indicates the status of the supply fan output of the controller	Always	Read	NA	false = Off true = On	Normal	Input	33022
BI-11100	Compressor 1 Command Status	Compressor 1 Run Command Status	Efficiency is not Configured as High	Read	NA	false = Off true = On	Normal	Input	33023
BI-11101	Circuit 1 LPC Status	Circuit 1 LPC Input Status	Always	Read	NA	false = Open true = Closed	Normal	Input	33024
BI-11102	Compressor 1 Proving Status	Status of input for monitoring Compressor 1 proof of operation circuit.	Always	Read	NA	false = Not Proved true = Proved	Normal	Input	33025
BI-11103	Compressor 2 Command Status	Compressor 2 Run Command Status	Multi-Compressor Systems	Read	NA	false = Off true = On	Normal	Input	33026
BI-11105	Compressor 2 Proving Status	Status of input for monitoring Compressor 2 proof of operation circuit.	Multi-Compressor Systems	Read	NA	false = Not Proved true = Proved	Normal	Input	33028
BI-11109	Compressor 1 Unloader Command Status	Compressor 1 Unloader Command Status	Unloading Compressors Installed	Read	NA	false = Off true = On	Normal	Input	33032
BI-11111	Compressor 2 Unloader Command Status	Compressor 2 Unloader Command Status	Unloading Compressors Installed	Read	NA	false = Off true = On	Normal	Input	33033
BI-11113	Demand Limit Input	Configurable, hardwired input to command Demand Limit	Demand Management Configured as Demand Limit	Read	Setpoint Simple BAS	false = Not Limited true = Limited	Normal	Input	33035

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Object States	Polarity	Modbus Register Type	Modbus Register 1
BI-11114	Demand Shed Input	Configurable, hardwired input to command Demand Shed	Demand Management Configured as Demand Shed	Read	NA	false = Off true = On	Normal	Input	33036
BI-11115	Phase Monitor Status	Status of local Phase Monitor Input	Always	Read	NA	false = Tripped true = Okay	Normal	Input	33037
BI-11116	Condenser Fan 1 Command Status	Condenser Fan 1 Run Command Status	Always	Read	NA	false = Off true = On	Normal	Input	33038
BI-11117	Condenser Fan 2 Command Status	Condenser Fan 2 Run Command Status	Dual Condenser Fan Systems	Read	NA	false = Off true = On	Normal	Input	33039
BI-11118	Switchover Valve 1 Command Status	Status of Switchover Valve Command for HP Circuit 1	Heat Pump Systems	Read	NA	false = Off true = On	Normal	Input	33040
BI-11120	Thermostat G Input	Thermostat Fan Request	Space Controller Configured as Conventional TStat	Read	NA	false = Open true = Closed	Normal	Input	33042
BI-11121	Thermostat W1/O Input	Thermostat Heat Stage 1 Request or Thermostat Heat/Cool Mode Request for HP	Space Controller Configured as Conventional TStat	Read	NA	false = Open true = Closed	Normal	Input	33043
BI-11122	Thermostat W2 Input	Thermostat Heat Stage 2 Request (or Emergency Heat)	Space Controller Configured as Conventional TStat	Read	NA	false = Open true = Closed	Normal	Input	33044
BI-11123	Thermostat X2 Input	Thermostat Emergency Heat Request	Space Controller Configured as Conventional TStat	Read	NA	false = Open true = Closed	Normal	Input	33045
BI-11124	Thermostat Y1 Input	Thermostat Compressor Stage 1 Request	Space Controller Configured as Conventional TStat	Read	NA	false = Open true = Closed	Normal	Input	33046
BI-11125	Thermostat Y2 Input	Thermostat Compressor Stage 2 Request	Space Controller Configured as Conventional TStat	Read	NA	false = Open true = Closed	Normal	Input	33047
BI-11126	Supply Fan Proving Input Status	Indicates the status of the supply fan proving input on the controller	Cabinet Size is A0	Read	NA	false = Not Proved true = Proved	Normal	Input	33048
BI-11127	FroStat Input	Status of Hardwired Frostat Input	FroStat Configured as Installed	Read	NA	false = Inactive true = Active	Reverse	Input	33049
BI-11128	Electric Heat Stage 1 Status	Status of Electric Heat Stage 1 command	One or more stages of Staged Electric Heat configured	Read	NA	false = Off true = On	Normal	Input	33050
BI-11129	Electric Heat Stage 2 Status	Status of Electric Heat Stage 2 command	Two or more stages of Staged Electric Heat configured	Read	NA	false = Off true = On	Normal	Input	33051
BI-11130	Clogged Filter Input	Status of Hardwired Clogged Filter Input	Clogged Filter Configured as Installed	Read	NA	false = Clean true = Dirty Filter	Normal	Input	33052
BI-11133	Ventilation Override Exhaust Status	Hardwired input VOM Exhaust	Ventilation Override Configured as Installed	Read	NA	false = Open true = Closed	Normal	Input	33054
BI-11134	Ventilation Override Pressurize Status	Hardwired input VOM Pressurize	Ventilation Override Configured as Installed	Read	NA	false = Open true = Closed	Normal	Input	33055
BI-11135	Ventilation Override Purge Status	Hardwired input VOM Purge	Ventilation Override Configured as Installed	Read	NA	false = Open true = Closed	Normal	Input	33056
BI-11143	Reheat Humidistat Input	Hardwired input to support dehumidification requests on hot gas reheat units.	Humidistat is Configured as Installed	Read	NA	false = Open true = Closed	Normal	Input	33059

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Object States	Polarity	Modbus Register Type	Modbus Register 1
BI-11149	Fan Mode - Air-Fi	Supply Fan Mode as set from a wireless sensor connected to the controller.	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensors and System Type is Configured as VVZT or CVZT	Read	NA	false = Cycling true = Continuous	Normal	Input	33064
BI-11150	Occupancy Input - Air-Fi	Local Occupancy Input as detected by a wireless sensor connected to the controller.	Space Controller not Configured as Conventional TStat	Read	Sensor Complex	false = Occupied true = Unoccupied	Normal	Input	33065
BI-11151	Fan Mode Input	Supply Fan Mode as set from a wired sensor connected to the controller.	Space Controller not Configured as Conventional TStat	Read	NA	false = Cycling true = Continuous	Normal	Input	33066
BI-11152	Supply Air Smoke Detector Status	Status of Hardwired Supply Air Smoke Detector Input	Supply Air Smoke Detector Configured as Installed	Read	NA	false = Open true = Closed	Normal	Input	33067
BI-11153	Return Air Smoke Detector Status	Status of Hardwired Return Air Smoke Detector Input	Return Air Smoke Detector Configured as Installed	Read	NA	false = Open true = Closed	Normal	Input	33068
BI-11154	Gas Heat Stage 1 Status	Status of gas heat Stage 1	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged	Read	NA	false = Off true = On	Normal	Input	33069
BI-11155	Gas Heat Stage 2 Status	Status of gas heat Stage 2	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged	Read	NA	false = Off true = On	Normal	Input	33070
BI-11156	Diagnostic: ERM Supply Fan Locked Motor - 1	Diagnostic: ERM Supply Fan Locked Motor - 1	Tonnage is Configured as 6-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33071
BI-11157	Diagnostic: ERM Supply Fan Locked Motor - 2	Diagnostic: ERM Supply Fan Locked Motor - 2	Tonnage is Configured as 15-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33072
BI-11158	Diagnostic: ERM Supply Fan Motor Overheated - 1	Diagnostic: ERM Supply Fan Motor Overheated - 1	Tonnage is Configured as 6-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33073
BI-11159	Diagnostic: ERM Supply Fan Motor Overheated - 2	Diagnostic: ERM Supply Fan Motor Overheated - 2	Tonnage is Configured as 15-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33074
BI-11160	Diagnostic: ERM Supply Fan Power Mod Overheated - 1	Diagnostic: ERM Supply Fan Power Mod Overheated - 1	Tonnage is Configured as 6-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33075
BI-11161	Diagnostic: ERM Supply Fan Power Mod Overheated - 2	Diagnostic: ERM Supply Fan Power Mod Overheated - 2	Tonnage is Configured as 15-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33076
BI-11162	Diagnostic: ERM Fault Supply Fan - 1	Diagnostic: ERM Fault Supply Fan - 1	Tonnage is Configured as 6-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33077
BI-11163	Diagnostic: ERM Fault Supply Fan - 2	Diagnostic: ERM Fault Supply Fan - 2	Tonnage is Configured as 15-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33078
BI-11164	Diagnostic: IGN1 Module Lockout	Diagnostic: IGN1 Module Lockout	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33079
BI-11165	Diagnostic: IGN1 Heating High Temp Limit Open	Diagnostic: IGN1 Heating High Temp Limit Open	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33080
BI-11166	Diagnostic: IGN1 Flame Rollout Switch Open	Diagnostic: IGN1 Flame Rollout Switch Open	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33081
BI-11167	Diagnostic: IGN1 Inducer Proving Switch Fail Closed	Diagnostic: IGN1 Inducer Proving Switch Fail Closed	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33082

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Object States	Polarity	Modbus Register Type	Modbus Register 1
BI-11168	Diagnostic: IGN1 Inducer Proving Switch Fail Open	Diagnostic: IGN1 Inducer Proving Switch Fail Open	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33083
BI-11169	Diagnostic: IGN1 No Flame Sensed on Ignition	Diagnostic: IGN1 No Flame Sensed on Ignition	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33084
BI-11170	Diagnostic: IGN1 Flame Sensed w/Gas Valve Off	Diagnostic: IGN1 Flame Sensed w/Gas Valve Off	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33085
BI-11171	Diagnostic: IGN1 Hardware Configuration Error	Diagnostic: IGN1 Hardware Configuration Error	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33086
BI-11172	Diagnostic: IGN1 Weak Flame	Diagnostic: IGN1 Weak Flame	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33087
BI-11173	Diagnostic: IGN1 Gas Valve Error	Diagnostic: IGN1 Gas Valve Error	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33088
BI-11174	Diagnostic: IGN1 Module Failure	Diagnostic: IGN1 Module Failure	Primary Heating Source is Configured as Gas	Read	NA	false = Inactive true = Active	Normal	Input	33089
BI-11175	Diagnostic: ERM Supply Fan Phase Failure - 1	Diagnostic:ERM Supply Fan Phase Failure -1	Tonnage is Configured as 6-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33180
BI-11176	Diagnostic: ERM Supply Fan Phase Failure - 2	Diagnostic: ERM Supply Fan Phase Failure - 2	Tonnage is Configured as 15-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33181
BI-11177	Diagnostic: ERM Supply Fan Internal Comm Failure - 1	Diagnostic: ERM Supply Fan Internal Comm Failure - 1	Tonnage is Configured as 6-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33182
BI-11178	Diagnostic: ERM Supply Fan Internal Comm Failure - 2	Diagnostic: ERM Supply Fan Internal Comm Failure - 2	Tonnage is Configured as 15-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33183
BI-11179	Diagnostic: ERM Supply Fan Hall Sensor Error - 1	Diagnostic: ERM Supply Fan Hall Sensor Error -1	Tonnage is Configured as 6-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33184
BI-11180	Diagnostic: ERM Supply Fan Hall Sensor Error - 2	Diagnostic: ERM Supply Fan Hall Sensor Error -2	Tonnage is Configured as 15-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33185
BI-11181	Diagnostic: ERM Supply Fan Speed Limit Exceeded - 1	Diagnostic: ERM Supply Fan Speed Limit Exceeded - 1	Tonnage is Configured as 6-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33186
BI-11182	Diagnostic: ERM Supply Fan Speed Limit Exceeded - 2	Diagnostic: ERM Supply Fan Speed Limit Exceeded - 2	Tonnage is Configured as 15-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33187
BI-11183	Diagnostic: ERM Supply Fan Rotor Calibration - 1	Diagnostic: ERM Supply Fan Rotor Calibration - 1	Tonnage is Configured as 6-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33188
BI-11184	Diagnostic: ERM Supply Fan Rotor Calibration - 2	Diagnostic: ERM Supply Fan Rotor Calibration - 2	Tonnage is Configured as 15-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33189
BI-11185	Diagnostic: ERM Supply Fan DC link Undervoltage - 1	Diagnostic: ERM Supply Fan DC-link Undervoltage - 1	Tonnage is Configured as 6-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33190
BI-11186	Diagnostic: ERM Supply Fan DC link Undervoltage - 2	Diagnostic: ERM Supply Fan DC-link Undervoltage - 2	Tonnage is Configured as 15-25 tons	Read	NA	false = Inactive true = Active	Normal	Input	33191
BI-11187	Reheat Pumpout Solenoid Status	Reheat Pumpout Solenoid IMC Command Status	Hot Gas Reheat is Configured as Installed	Read	NA	false = Off true = On	Normal	Input	33195
BI-11189	Reheat Valve 1 Fault Status	Reheat Valve 1 Fault Status	Hot Gas Reheat is Configured as Installed	Read	NA	false = Inactive true = Active	Normal	Input	33196
BI-11190	Reheat Valve 1 Calibration Status	Reheat Valve 1 Calibration Status from Stepper Motor Module	Hot Gas Reheat is Configured as Installed	Read	NA	false = Inactive true = Active	Normal	Input	33199

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Object States	Polarity	Modbus Register Type	Modbus Register 1
BI-11192	VAV Changeover Input	VAV Changeover Request	System Type is Configured as VVDA	Read	NA	false = Open true = Closed	Normal	Input	33093
BI-11193	Crankcase Heater Command	Crankcase Heater status for VSPD Compressor		Read	NA	false = Off true = On	Normal	Input	33206
BI-11195	Diagnostic: Gas Heat Unexpected Flame Manif 1 Burner 1	Modulating gas heat ignition controller, unexpected flame detected with gas valve is off	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33212
BI-11196	Diagnostic: Gas Heat Unexpected Flame Manif 1 Burner 2	Modulating gas heat ignition controller, unexpected flame detected with gas valve is off	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33213
BI-11197	Diagnostic: Modulating Gas Invalid ID Plug Manifold 1	Gas heat ignition controller detected an invalid or failed ID Plug	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33214
BI-11198	Diagnostic: Modulating Gas Heat Configuration Invalid	Unit controller configuration does not match gas heat ignition controller ID Plug configuration	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33215
BI-11199	Diagnostic: Gas Heat Weak Flame Manif 1 Burner 1	Weak flame or aged flame rod detected on burner 1	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33216
BI-11200	Diagnostic: Gas Heat Weak Flame Manif 1 Burner 2	Weak flame or aged flame rod detected on burner 2	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33217
BI-11201	Diagnostic: Gas Heat Insufficient Combustion Air	Gas heat is being derated/reduced due to insufficient combustion air	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33218
BI-11202	Diagnostic: Modulating Gas Primary Limit Open Manifold 1	Gas heat failure, primary limit detected open	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33219
BI-11203	Diagnostic: Modulating Gas Heat Open Fuse Manifold 1	Gas heat failure, fuse detected open	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33220
BI-11204	Diagnostic: Gas Heat Failed Ignition Manifold 1	Gas heat is locked out for one hour due to failed ignition attempts	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33221
BI-11205	Diagnostic: Modulating Gas Valve Failure Manifold 1	Modulating gas valve did not reach park or full On position	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33222
BI-11206	Diagnostic: Modulating Gas Control Board Failure Manifold 1	Ignition control board failure during startup self test	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33223
BI-11231	Diagnostic: Gas Heat Lockout Manifold 1	Modulating gas heat ignition controller operation is locked out.	Modulating Gas Heat Configured	Read	NA	false = Inactive true = Active	Normal	Input	33248
BI-11235	Diagnostic: Gas Heat Failed Ignition Manifold 1 Burner 2	Modulating gas heat ignition controller burner 2 operation failed ignition.	Modulating gas heat configured	Read	NA	false = Inactive true = Active	Normal	Input	33252
BI-11237	Diagnostic: VFD Cprsr Current Overload - Cprsr 1	Diagnostic: VFD Cprsr Current Overload - Cprsr 1	Efficiency == Ultra High	Read	NA	false = Inactive true = Active	Normal	Input	33057
BI-11238	Diagnostic: VFD Compressor Ground Fault - Cprsr 1	Diagnostic: VFD Compressor Ground Fault - Cprsr 1	Efficiency == Ultra High	Read	NA	false = Inactive true = Active	Normal	Input	33260

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Object States	Polarity	Modbus Register Type	Modbus Register 1
BI-11239	Diagnostic: VFD Compressor Short Circuit - Cprsr 1	Diagnostic: VFD Compressor Short Circuit - Cprsr 1	Efficiency == Ultra High	Read	NA	false = Inactive true = Active	Normal	Input	33261
BI-11240	Diagnostic: VFD Compressor In Hand Mode - Cprsr 1	Diagnostic: VFD Compressor In Hand Mode - Cprsr 1	Efficiency == Ultra High	Read	NA	false = Inactive true = Active	Normal	Input	33262
BI-11241	Diagnostic: Gas Heat Air Pressure Sensor Reading Low	Modulating gas heat ignition controller, air pressure sensor is reading low	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33264
BI-11242	Diagnostic: Gas Heat Air Pressure Sensor Reading High	Modulating gas heat ignition controller, air pressure sensor is reading high, air pressure switch failed to close	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33265
BI-11243	Diagnostic: Gas Heat Loss of Inducer Motor Control	Modulating gas heat ignition controller, loss of inducer motor control	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33266
BI-11244	Diagnostic: Gas Heat Air Sensor Null Pressure Check	Modulating gas heat ignition controller, air sensor null pressure check out of tolerance	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33267
BI-11245	Diagnostic: Gas Heat Limited Low Fire	Modulating gas heat ignition controller, flame loss at low fire results in an auto-adjustment that limits the burner turn down during the rest of the current call for heat.	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33268
BI-11246	Heating Output Operational Limit	Heating capacity is being limited due to heat rise across gas furnace.	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33269
BI-11247	Diagnostic: Refrigerant Concentration Sensor A	Diagnostic point that is be active when Refrigerant Leak Sensor is in the alarm state. Diagnostic resets when the Refrigerant Leak Sensor alarm has reset (refrigerant concentration has reduced below the lower concentration threshold).	Refrigerant Type is R454B	Read	NA	false = Inactive true = Active	Normal	Input	33270
BI-11248	Refrigerant Leak Detection System Input	The Active state will be maintained for the duration of the alarm state.	Refrigerant Type is R454B	Read	NA	false = Inactive true = Active	Normal	Input	33271
BI-11249	Diagnostic: Refrigerant Leak Sensor Failure Sensor A	Diagnostic point that shall be active when the refrigerant sensor reports a fault (Fault Status is active).	Refrigerant Type is R454B	Read	NA	false = Inactive true = Active	Normal	Input	33272
BI-11250	Diagnostic: IGN1 Low Ambient Lockout	Diagnostic: IGN1 Low NOx Heat Furnace Low Ambient Lockout	Modulating Gas Heat is Configured	Read	NA	false = Inactive true = Active	Normal	Input	33275
BI-11251	Diagnostic: Low Saturated Suction Refrig Protection	Diagnostic: Low Saturated Suction Refrig Protection	3-5 tons, High Efficiency (HE) Heat Pump configurations	Read	NA	false = Inactive true = Active	Normal	Input	33276
BI-11252	Diagnostic: Low Saturated Suction Refrig Protection Disabled	Diagnostic: Low Saturated Suction Refrig Protection Disabled	3-5 tons, High Efficiency (HE) Heat Pump configurations	Read	NA	false = Inactive true = Active	Normal	Input	33277

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
BV-10103	Heat Lockout Command	Normally used by the BMS to command the unit to prevent heating operation	Primary Heating Source Installed	Write	Setpoint Simple with Priority Array	Normal	false = Normal true = Locked out	Holding	43010
BV-10104	Supply Fan Configuration Command	Used to command the supply fan configuration as either cycling or continuous	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor	Write	NA	Continuous	false = Cycling true = Continuous	Holding	43011
BV-10106	Dehumidification Enable Command	Normally used by the BMS to disable unit dehumidification	Hot Gas Reheat is Configured as Installed	Write	Setpoint Simple with Priority Array	Auto	false = Disabled true = Auto	Holding	43012
BV-10109	Filter Timer Reset	Command the unit to reset the accumulated filter run hours.	Always	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43013
BV-10110	Reset Diagnostic	Used to initiate a request to reset any controller diagnostics	Always	Write	NA	Normal	false = Normal true = Reset	Holding	43014
BV-10111	Daytime Warmup Enable Command	Used to enable daytime warmup	System Type is Configured as VVDA and Primary Heat is Configured.	Write	Setpoint Simple with Priority Array	Disabled	false = Disabled true = Enabled	Holding	43015
BV-10112	Morning Warmup Enable Command	Normally used by the BMS to enable morning warmup	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor or System Type is configured as VVDA and Primary Heat is Installed	Write	Setpoint Simple with Priority Array	Disabled	false = Disabled true = Enabled	Holding	43016
BV-10113	Occupancy Input BAS	Normally used by the BMS to provide the requested occupancy state to the unit	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor with/without Outside Air Configured as 0-100% or System Type is configured as VVDA	Write	Sensor Complex		false = Occupied true = Unoccupied	Holding	43017
BV-10115	Cooling Lockout BAS	Used to prevent all mechanical cooling	Always	Write	Setpoint Simple with Priority Array	Normal	false = Normal true = Locked out	Holding	43018
BV-10119	Supply Air Tempering Enable	Used to enable the supply (discharge) air tempering feature of the unit	Supply Air Tempering Configured as Enabled	Write	Setpoint Simple with Priority Array	Disable	false = Disable true = Enable	Holding	43019
BV-11100	Alarm Indicator Status	Indicates the state of the alarm output command from the controller	Always	Read	NA		false = Off true = On	Input	33090
BV-11101	Supply Fan High Speed Command Status	Supply Fan High Speed Command for 2-Speed Fan Relay Controlled Equipment	3-5 Standard Efficiency CVZT unit configuration	Read	NA		false = Off true = On	Input	33091
BV-11112	Condenser Defrost Status	Status point to indicate when defrost is active on any circuit within a heat pump unit.	Heat Pump Systems	Read	NA		false = Inactive true = Active	Input	33098
BV-11113	Unit Stop Command	Point used to force the unit into an immediate stop condition. Primary use-case is at local or mobile service tool UI.	Always	Write	NA	Auto	false = Auto true = Stop	Holding	43020

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
BV-11114	Supply Fan Speed Command Enable	Enables the unit to use Supply Fan Speed Command to override the units internally determined fan speed.	Always	Write	Setpoint Simple with Priority Array	Disabled	false = Disabled true = Enabled	Holding	43021
BV-11115	Cooling Capacity Setpoint Enable BAS	Commands the unit to use Cooling Capacity Setpoint BAS value to override internal algorithm's cooling capacity output request.	Always	Write	Setpoint Simple with Priority Array	Disabled	false = Disabled true = Enabled	Holding	43022
BV-11116	Heating Capacity Setpoint Enable BAS	Commands the unit to use Heating Capacity Setpoint BAS value to override internal algorithm's heating capacity output request.	Primary Heating Source Installed	Write	Setpoint Simple with Priority Array	Disabled	false = Disabled true = Enabled	Holding	43023
BV-11119	Supply Fan Compensation	Command the unit to utilize "Economizer Minimum Position Setpoint BAS" instead of its internally determined minimum position setpoint.	Outside Air is Configured as 0-100%	Write	Setpoint Simple with Priority Array	Enabled	false = Disabled true = Enabled	Holding	43026
BV-11121	Compressor 1 Run Time Reset	Compressor 1 Runtime Reset	Always	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43027
BV-11122	Compressor 1 Starts Reset	Compressor 1 Starts Reset	Always	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43028
BV-11123	Compressor 2 Run Time Reset	Compressor 2 Runtime Reset	Multi-Compressor Systems	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43029
BV-11124	Compressor 2 Starts Reset	Compressor 2 Starts Reset	Multi-Compressor Systems	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43030
BV-11127	Condenser Fan 1 Run Time Reset	Condenser Fan 1 Runtime Reset	Always	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43033
BV-11128	Condenser Fan 1 Starts Reset	Condenser Fan 1 Starts Reset	Always	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43034
BV-11129	Condenser Fan 2 Run Time Reset	Condenser Fan 2 Runtime Reset	Dual Condenser Fan Systems	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43035
BV-11130	Condenser Fan 2 Starts Reset	Condenser Fan 2 Starts Reset	Dual Condenser Fan Systems	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43036
BV-11133	Relief Fan Run Time Reset	Relief Fan Runtime Reset	Space Pressure Control is Configured	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43037
BV-11134	Relief Fan Starts Reset	Relief Fan Starts Reset	Space Pressure Control is Configured	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43038
BV-11135	Electric Heat Stage 1 Run Time Reset	Electric Heat Stage 1 Runtime Reset	One or more stages of Staged Electric Heat configured	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43039
BV-11136	Electric Heat Stage 1 Starts Reset	Electric Heat Stage 1 Starts Reset	One or more stages of Staged Electric Heat configured	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43040
BV-11137	Electric Heat Stage 2 Run Time Reset	Electric Heat Stage 2 Runtime Reset	Two or more stages of Staged Electric Heat configured	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43041
BV-11138	Electric Heat Stage 2 Starts Reset	Electric Heat Stage 2 Starts Reset	Two or more stages of Staged Electric Heat configured	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43042

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
BV-11139	Supply Fan Run Time Reset	Supply Fan Runtime Reset	Always	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43043
BV-11140	Supply Fan Starts Reset	Supply Fan Starts Reset	Always	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43044
BV-11142	Diagnostic: Heat Failure	Diagnostic: Heat Failure	Primary Heating Source is Configured as Gas	Read	NA		false = Inactive true = Active	Input	33103
BV-11143	Diagnostic: Duct Static Pressure Limit Trip	Diagnostic: Duct Static Pressure Limit Trip	System Type is Configured as VVDA	Read	NA		false = Inactive true = Active	Input	33104
BV-11144	Diagnostic: Filter Change Required	Diagnostic: Dirty Filter	Clogged Filter Configured as Installed	Read	NA		false = Inactive true = Active	Input	33105
BV-11145	Diagnostic: Condensate Overflow Lockout	Condensate Drain Pan Overflow Lockout	Condensate Overflow Switch is Configured as Installed	Read	NA		false = Inactive true = Active	Input	33106
BV-11146	Diagnostic: FroStat Trip	Diagnostic: FroStat Trip	FroStat Configured as Installed	Read	NA		false = Inactive true = Active	Input	33107
BV-11155	Diagnostic: Comp 1 Proving Trip	Diagnostic: Comp 1 Proving Trip	Always	Read	NA		false = Inactive true = Active	Input	33110
BV-11156	Diagnostic: Comp 2 Proving Trip	Diagnostic: Comp 2 Proving Trip	Multi-Compressor Systems	Read	NA		false = Inactive true = Active	Input	33111
BV-11158	Diagnostic: Circuit 1 LPC Trip	Diagnostic: Circuit 1 LPC Trip	Always	Read	NA		false = Inactive true = Active	Input	33113
BV-11161	Diagnostic: Compressor 1 Contactor Failure	Diagnostic: Compressor 1 Contactor Fail Lockout	Always	Read	NA		false = Inactive true = Active	Input	33116
BV-11162	Diagnostic: Circuit 1 LPC Lockout	Diagnostic: Circuit 1 LPC Lockout	Always	Read	NA		false = Inactive true = Active	Input	33117
BV-11166	VVZT DAT Control Mode	Determines Auto or Manual mode for discharge air temperature control for VVZT applications.	System Type Configured as VVZT and Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor	Write	Setpoint Simple with Priority Array	Auto	false = Auto true = Manual	Holding	43046
BV-11172	Diagnostic: Compressor 1 Proving Lockout	Diagnostic: Compressor 1 Proving Lockout	Always	Read	NA		false = Inactive true = Active	Input	33120
BV-11173	Occupancy Input Active	Occupancy Input being actively used for status determination.	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor with/without Outside Air Configured as 0-100% or System Type is configured as VVDA	Read	Sensor Complex		false = Occupied true = Unoccupied	Input	33121
BV-11174	Diagnostic: Compressor 2 Contactor Failure	Diagnostic: Compressor 2 Contactor Fail Lockout	Multi-Compressor Systems	Read	NA		false = Inactive true = Active	Input	33122
BV-11176	Diagnostic: Compressor 2 Proving Lockout	Diagnostic: Compressor 2 Proving Lockout	Multi-Compressor Systems	Read	NA		false = Inactive true = Active	Input	33124
BV-11177	Diagnostic: Demand Defrost Disabled	Diagnostic: Demand Defrost Disabled	Non-Independent Condenser Air Stream Heat Pumps	Read	NA		false = Inactive true = Active	Input	33125
BV-11180	Diagnostic: Demand Defrost Fault A	Diagnostic: Demand Defrost Fault A	Single Circuit Heat Pumps or Multi-Circuit Heat Pumps without Independent Condenser Airstreams	Read	NA		false = Inactive true = Active	Input	33128

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
BV-11183	Diagnostic: Demand Defrost Fault B	Diagnostic: Demand Defrost Fault B	Single Circuit Heat Pumps or Multi-Circuit Heat Pumps without Independent Condenser Airstreams	Read	NA		false = Inactive true = Active	Input	33131
BV-11186	Diagnostic: Demand Defrost Fault C	Diagnostic: Demand Defrost Fault C	Single Circuit Heat Pumps or Multi-Circuit Heat Pumps with Independent Condenser Airstreams	Read	NA		false = Inactive true = Active	Input	33134
BV-11189	Diagnostic: Demand Defrost Fault D	Diagnostic: Demand Defrost Fault D	Single Circuit Heat Pumps or Multi-Circuit Heat Pumps with Independent Condenser Airstreams	Read	NA		false = Inactive true = Active	Input	33137
BV-11190	Diagnostic: Maintenance Required	Diagnostic: Maintenance Required	Always	Read	NA		false = Inactive true = Active	Input	33138
BV-11192	Diagnostic: Unit Communications Failure	Diagnostic: Unit Communications Failure	Always	Read	NA		false = Inactive true = Active	Input	33140
BV-11199	Supply Fan Configuration Status	Indicates the supply fan configuration	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVZT	Read	NA		false = Cycling true = Continuous	Input	33141
BV-11200	Timed Override Timer Is Active	Indicates whether or not the timed override timer is active	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or System Type is Configured as VVDA	Read	NA		false = Inactive true = Active	Input	33142
BV-11201	Supply Fan Speed Command Enable - Active	Active value for Supply Fan Speed Command Enable point being used for control.	Always	Read	Setpoint Simple with Priority Array		false = Disabled true = Enabled	Input	33143
BV-11202	Cooling Capacity Setpoint Enable BAS - Active	Active value for Cooling Capacity Setpoint Enable BAS point being used for control.	Always	Read	Setpoint Simple with Priority Array		false = Disabled true = Enabled	Input	33144
BV-11203	Cooling Lockout BAS - Active	Active value for Cooling Lockout BAS point being used for control.	Always	Read	Setpoint Simple with Priority Array		false = Normal true = Locked out	Input	33145
BV-11204	Heating Capacity Setpoint Enable BAS - Active	Active value for Heating Capacity Setpoint Enable point being used for control.	Primary Heating Source Installed	Read	Setpoint Simple with Priority Array		false = Disabled true = Enabled	Input	33146
BV-11205	Daytime Warmup Enable Command - Active	Active value for Daytime Warmup Enable Command point being used for control.	System Type is Configured as VVDA and Primary Heat is Configured.	Read	Setpoint Simple with Priority Array		false = Disabled true = Enabled	Input	33147
BV-11208	Supply Fan Compensation - Active	Active value for Supply Fan Compensation point being used for control.	Outside Air is Configured as 0-100%	Read	Setpoint Simple with Priority Array		false = Disabled true = Enabled	Input	33150
BV-11209	Dehumidification Enable Command - Active	Active value for Dehumidification Enable Command point being used for control.	Hot Gas Reheat is Configured as Installed	Read	Setpoint Simple with Priority Array		false = Disabled true = Auto	Input	33151

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
BV-11211	VVZT DAT Control Mode - Active	Active value for VVZT DAT Control Mode point being used for control.	System Type Configured as VVZT and Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor	Read	Setpoint Simple with Priority Array		false = Auto true = Manual	Input	33153
BV-11216	Heat Lockout Command - Active	Active value for Heat Lockout Command point being used for control.	Primary Heating Source Installed	Read	Setpoint Simple with Priority Array		false = Normal true = Locked out	Input	33156
BV-11217	Morning Warmup Enable Command - Active	Active value for Morning Warmup Enable Command point being used for control.	Primary Heating Source is Installed and Space Controller is Single Setpoint or Dual Setpoint Zone Sensor or System Type is Configured as VVDA	Read	Setpoint Simple with Priority Array		false = Disabled true = Enabled	Input	33157
BV-11221	Supply Air Tempering Status	Indicates the status of the Supply Air Tempering function	Supply Air Tempering Configured as Enabled	Read	NA		false = Disable true = Enable	Input	33160
BV-11222	Supply Air Tempering Enable - Active	Active value for Supply Air Tempering Enable point being used for control.	Supply Air Tempering Configured as Enabled	Read	Setpoint Simple with Priority Array		false = Disable true = Enable	Input	33161
BV-11224	Occupancy Input Arbitrator	Indicates the status of the arbitrated occupancy inputs	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor with/without Outside Air Configured as 0-100% or System Type is configured as VVDA	Write	Sensor Complex	Occupied	false = Occupied true = Unoccupied	Holding	43049
BV-11226	Demand Limit Request BAS	Used to demand limit the unit remotely.	Demand Management Configured as Demand Limit	Write	Setpoint Simple BAS	Not Limited	false = Not Limited true = Limited	Holding	43050
BV-11227	Demand Limit Request - Active	Active Demand Limit Request value used by the equipment.	Demand Management Configured as Demand Limit	Read	Setpoint Simple BAS		false = Not Limited true = Limited	Input	33164
BV-11230	Diagnostic: VFD Compressor Fault - Cprsr 1	Diagnostic that becomes active anytime a drive fault is Active.	Efficiency == Ultra High	Read	NA		false = Inactive true = Active	Input	33167
BV-11231	Daytime Warmup Active	Indicates if daytime warmup is currently active	System Type is Configured as VVDA and Primary Heat is Configured.	Read	NA		false = Inactive true = Active	Input	33168
BV-11232	Morning Warmup Active	Indicates if morning warmup is active	Primary Heating Source is Installed and Space Controller is Single Setpoint or Dual Setpoint Zone Sensor or System Type is Configured as VVDA	Read	NA		false = Inactive true = Active	Input	33169
BV-11233	Supply Fan 2 Run Time Reset	Supply Fan 2 Runtime Reset	Tonnage is Configured as 15-25 tons	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43051
BV-11234	Supply Fan 2 Starts Reset	Supply Fan 2 Starts Reset	Tonnage is Configured as 15-25 tons	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43052
BV-11235	Occupied Standby Supply Fan Configuration Command	Used to select the Occupied Standby Fan Mode setting	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor	Write	Setpoint Simple with Priority Array	Cycling	false = Cycling true = Continuous	Holding	43053
BV-11236	Occupied Standby Supply Fan Configuration Command - Active	Indicates the Occupied Standby Fan Mode setting	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	Setpoint Simple with Priority Array		false = Cycling true = Continuous	Input	33170

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
BV-11239	Gas Heat Stage 1 Run Time Reset	Gas heat Stage 1 Runtime Reset	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43054
BV-11240	Gas Heat Stage 1 Starts Reset	Gas heat Stage 1 Starts Reset	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43055
BV-11241	Gas Heat Stage 2 Run Time Reset	Gas heat Stage 2 Runtime Reset	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43056
BV-11242	Gas Heat Stage 2 Starts Reset	Gas heat Stage 2 Starts Reset	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43057
BV-11243	Diagnostic: ERM Supply Fan 1 Failure	Diagnostic: ERM Supply Fan 1 Failure	Tonnage is Configured as 6-25 tons	Read	NA		false = Inactive true = Active	Input	33173
BV-11244	Diagnostic: ERM Supply Fan 2 Failure	Diagnostic: ERM Supply Fan 2 Failure	Tonnage is Configured as 15-25 tons	Read	NA		false = Inactive true = Active	Input	33174
BV-11245	Diagnostic: Supply Fan Proving Failure	Diagnostic: Supply Fan Proving Failure	Always	Read	NA		false = Inactive true = Active	Input	33175
BV-11248	Diagnostic: High Condensate Level Detected	Diagnostic: High Condensate Level Detected	Condensate Overflow Switch is Configured as Installed	Read	NA		false = Inactive true = Active	Input	33178
BV-11249	Diagnostic: Morning Warmup Mode Exceeded 120 Minutes	Diagnostic: Morning Warmup Mode Exceeded 120 Minutes	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor or System Type is configured as VVDA and Primary Heat is Installed	Read	NA		false = Inactive true = Active	Input	33179
BV-11250	Diagnostic: Pre Cool Mode Exceeded 120 Minutes	Diagnostic: Precool Mode Exceeded 120 Minutes	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor or System Type is configured as VVDA	Read	NA		false = Inactive true = Active	Input	33193
BV-11251	Diagnostic: Night Purge Mode Exceeded 120 Minutes	Diagnostic: Night Purge Mode Exceeded 120 Minutes	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor or System Type is configured as VVDA	Read	NA		false = Inactive true = Active	Input	33194
BV-11253	Heat Pump Heating Lockout Setpoint Enable	Used to enable the Heat pump Heating Lockout Setpoint. When the lockout setpoint is enabled, the unit preferences auxiliary heating over heat pump heating when the Outdoor Air Temperatures are below the lockout setpoint	Heat Pump Systems	Write	Setpoint Simple with Priority Array	Enable	false = Disable true = Enable	Holding	43060

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
BV-11254	Heat Pump Heating Lockout Setpoint Enable - Active	Active value for the Heat pump Heating Lockout Setpoint Enable. When the lockout setpoint is enabled, the unit preferences auxiliary heating over heat pump heating when the Outdoor Air Temperatures are below the lockout setpoint	Heat Pump Systems	Read	Setpoint Simple with Priority Array		false = Inactive true = Active	Input	33192
BV-11255	Dehumidification Status	Active state showing whether dehumidification is active or inactive.	Hot Gas Reheat is Configured as Installed	Read	NA		false = Inactive true = Active	Input	33203
BV-11256	Pre Cool Enable Command	Normally used by the BMS to enable pre Cool	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor or System Type is configured as VVDA	Write	Setpoint Simple with Priority Array	Disabled	false = Disabled true = Enabled	Holding	43061
BV-11257	Pre Cool Enable Command - Active	Active value for Pre Cool Enable Command point being used for control.	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor or System Type is configured as VVDA	Read	Setpoint Simple with Priority Array		false = Disabled true = Enabled	Input	33201
BV-11258	Pre Cool Active	Indicates if Pre Cool is active	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor or System Type is configured as VVDA	Read	NA		false = Inactive true = Active	Input	33202
BV-11259	Occupied Dehumidification Enable BAS	Setting for unit to use "Enable" or "Disable" for Occupied Dehumidification Control	Hot Gas Reheat is Configured as Installed	Write	NA	Enabled	false = Disabled true = Enabled	Holding	43062
BV-11260	Occupied Dehumidification Enable BAS - Active	Active value for Dehumidification Enable BAS point being used for control.	Hot Gas Reheat is Configured as Installed	Read	Setpoint Simple with Priority Array		false = Disabled true = Enabled	Input	33204
BV-11261	Unoccupied Dehumidification Enable BAS	Setting for unit to use "Enable" or "Disable" for Occupied Dehumidification Control	Hot Gas Reheat is Configured as Installed	Write	NA	Enabled	false = Disabled true = Enabled	Holding	43063
BV-11262	Unoccupied Dehumidification Enable BAS - Active	Active value for Dehumidification Enable BAS point being used for control.	Hot Gas Reheat is Configured as Installed	Read	Setpoint Simple with Priority Array		false = Disabled true = Enabled	Input	33205
BV-11263	Diagnostic: Duct Static Pressure Limit Lockout	Diagnostic: Duct Static Pressure Limit Lockout	System Type is configured as VVDA	Read	NA		false = Inactive true = Active	Input	33207
BV-11264	Diagnostic: Duct Static Pressure Local Trip	Diagnostic: Duct Static Pressure Local Trip	System Type is configured as VVDA	Read	NA		false = Inactive true = Active	Input	33208
BV-11265	Diagnostic: Duct Static Pressure Local Lockout	Diagnostic: Duct Static Pressure Local Lockout	System Type is configured as VVDA	Read	NA		false = Inactive true = Active	Input	33209
BV-11266	Gas Heat Manifold 1 Burner 1 Run Time Reset	Gas heat runtime reset	Modulating Gas Heat Configured	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43064
BV-11267	Gas Heat Manifold 1 Burner 1 Starts Reset	Gas heat starts counter reset	Modulating Gas Heat Configured	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43065

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
BV-11268	Gas Heat Manifold 1 Burner 2 Run Time Reset	Gas heat runtime reset	Primary Heating Source is Configured as Gas and Primary Heating Type is Staged or Modulating	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43066
BV-11269	Gas Heat Manifold 1 Burner 2 Starts Reset	Gas heat starts counter reset	Modulating Gas Heat Configured	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43067
BV-11272	Circuit 1 Condenser Defrost Run Time Reset	Circuit 1 Condenser Defrost Runtime Reset	Heat Pump Systems	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43070
BV-11273	Circuit 1 Condenser Defrost Starts Reset	Circuit 1 Condenser Defrost Starts Reset	Heat Pump Systems	Write	NA	Accumulating	false = Accumulating true = Reset	Holding	43071
BV-11277	Diagnostic: Reheat Valve 1 Fault	Diagnostic: Reheat Valve 1 Fault	Hot Gas Reheat is Configured as Installed	Read	NA		false = Inactive true = Active	Input	33253
BV-11283	Refrigerant Mitigation Active	Active when the Symbio 700 controller is in a mitigation state for any reason.	Refrigerant Type is R454B	Read	NA		false = Inactive true = Active	Input	33273
BV-11284	Thermostat Control Method Request	Determines Auto or Conventional mode for enhanced thermostat applications.	When Conventional Thermostat.	Write	NA	Enhanced	false = Conventional true = Enhanced	Holding	43074
BV-11285	Thermostat Control Method Status	Active value for Thermostat Control Method being used for control.	When Conventional Thermostat.	Read	NA		false = Conventional true = Enhanced	Input	33274
BV-11288	Heating Capacity Control Type Override BAS	Used on units leveraging remote capacity control. Used for dual fuel when gas is the secondary heat source and heating is mutually exclusive between Heat Pump and Auxiliary heat.	Heat Pump Systems equipped with Secondary Gas Heat	Write	NA	Disable	false = Disable true = Enable	Holding	43077

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
MI-10101	Heat Cool Mode Status	Indicates the current heat cool mode of the controller	Always	Read	NA		1 = Auto 2 = Heat 3 = Morning Warm-up 4 = Cool 5 = Night Purge 6 = Pre Cool 7 = Off 8 = Test 9 = Emergency Heat 10 = Fan Only 11 = Free Cool 12 = Ice-Making 13 = Max Heat 14 = Economizer 15 = Dehumidify 16 = Calibrate	Input	32010
MI-10144	Economizer System Status	Indicates the operating state of the airside economizer system.	Always	Read	NA		1 = Disabled 2 = Enabled 3 = Not Present	Input	32012
MI-11100	System Mode Switch Air-Fi	Indicates the status of the wireless system mode switch connected to the controller.	Space Controller Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	Setpoint Simple BAS		1 = Off 2 = Auto 3 = Cool 4 = Heat 5 = Emergency Heat	Input	32013
MI-11101	Timed Override Air-Fi	Indicates the status of the Timed Override wireless input.	Space Controller Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVDA	Read	Sensor Complex		1 = Idle 2 = On 3 = Cancel	Input	32014
MI-11102	System Mode Switch Input	Indicates the status of the wired system mode switch connected to the controller.	Space Controller Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	Setpoint Simple BAS		1 = Off 2 = Auto 3 = Cool 4 = Heat 5 = Emergency Heat	Input	32015
MI-11103	Timed Override Input	Indicates the status of the Timed Override wired input.	Space Controller Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVDA	Read	Sensor Complex		1 = Idle 2 = On 3 = Cancel	Input	32016

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
MI-11104	Supply Fan 1 ERM Information Alarm Status	Informational alarm status from the ERM supply fan 1.	Tonnage is Configured as 6-25 tons	Read	NA		1 = Normal 2 = Current Limitation in Action 3 = Line Impedance Too High 4 = Power Limiter in Action 5 = Output Stage Temperature High 6 = Motor Temperature High 7 = Temperature Inside Electronics High 8 = DC Link Voltage High 9 = Braking Mode 10 = Calibration of Rotor Position 11 = Actual Speed is Lower Than Run Monitoring Speed Limit 12 = Cable Break at Analog or PWM Input For Analog Set Value 13 = DC Link Voltage Low 14 = Line Voltage High 15 = Shedding Function Active	Input	32040

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
MI-11105	Supply Fan 2 ERM Information Alarm Status	Informational alarm status from the ERM supply fan 2.	Tonnage is Configured as 15-25 tons	Read	NA		1 = Normal 2 = Current Limitation in Action 3 = Line Impedance Too High 4 = Power Limiter in Action 5 = Output Stage Temperature High 6 = Motor Temperature High 7 = Temperature Inside Electronics High 8 = DC Link Voltage High 9 = Braking Mode 10 = Calibration of Rotor Position 11 = Actual Speed is Lower Than Run Monitoring Speed Limit 12 = Cable Break at Analog or PWM Input For Analog Set Value 13 = DC Link Voltage Low 14 = Line Voltage High 15 = Shedding Function Active	Input	32041

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
MV-10101	Cooling Reset Type Status	Indicates the type of cooling reset used by the controller	System Type is Configured as VVDA	Read	NA		1 = None 2 = Outdoor Air 3 = Zone 4 = Return Air	Input	32047
MV-10102	Emergency Override BAS	Used to command the unit into an emergency mode of operation	Always	Write	Setpoint Simple with Priority Array	Normal	1 = Normal 2 = Pressurize 3 = Depressurize 4 = Purge 5 = Shutdown 6 = Fire	Holding	42010
MV-10103	Economizer Airside Enable BAS	Normally provided by the BAS to enable airside economizing	Outside Air is Configured as 0-100% Economizer	Write	Setpoint Simple with Priority Array	Auto	1 = Disabled 2 = Enabled 3 = Auto	Holding	42011
MV-10104	Heat Cool Mode Request	Used to command the unit into a heat/cool mode	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVDA	Write	Setpoint Simple with Priority Array	Auto	1 = Auto 2 = Heat 3 = Morning Warm-up 4 = Cool 5 = Night Purge 6 = Pre Cool 7 = Off 8 = Test 9 = Emergency Heat 10 = Fan Only 11 = Free Cool 12 = Ice-Making 13 = Max Heat 14 = Economizer 15 = Dehumidify 16 = Calibrate	Holding	42012
MV-10106	Occupancy Request	Normally used by the BMS to command the unit into an occupancy mode	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVDA	Write	NA	Auto	1 = Occupied 2 = Unoccupied 3 = Occupied Bypass 4 = Occupied Standby 5 = Auto	Holding	42013
MV-10110	Timed Override Request	Used to request a temporary timed override during unoccupied	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VZT or CVZT or System Type is Configured as VVDA	Write	Sensor Complex	Idle	1 = Idle 2 = On 3 = Cancel	Holding	42014
MV-11100	Arbitration Method Request	Setting for unit to use "Enable External/BAS Control" or "Standalone Control" data prioritization.	Always	Write	NA	Enable External/BAS Control	1 = Enable External/BAS Control 2 = Standalone Control	Holding	42015

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
MV-11101	Customer Options Module Communication Status	Communication Status of the Customer Options Module	Customer Options Module Installed and In-Use	Read	NA		1 = Not Configured 2 = Not Communicating 3 = Communicating 4 = Communicating - Not Configured	Input	32017
MV-11102	Economizer Type	Indicates the general description of the type of economizer system	Always	Read	NA		1 = None 2 = 2 Position Ventilation 3 = Modulation Economizer 4 = 2 Position Ventilation/Waterside Economizer 5 = Waterside Economizer 6 = Airside/Waterside Economizer 7 = TRAQ Damper 8 = Airside Economizer and TRAQ Damper/Sensor 9 = Waterside Economizer and TRAQ Damper/Sensor 10 = Airside/Waterside Economizer and TRAQ Damper/Sensor	Input	32018
MV-11103	Fresh Air Options Module Communication Status	Communication Status of the Fresh Air Options Module	Fresh Air Options Module Installed and In-Use	Read	NA		1 = Not Configured 2 = Not Communicating 3 = Communicating 4 = Communicating - Not Configured	Input	32019
MV-11105	Indoor Options Module Communication Status	Communication Status of the Indoor Options Module	Indoor Options Module Installed and In-Use	Read	NA		1 = Not Configured 2 = Not Communicating 3 = Communicating 4 = Communicating - Not Configured	Input	32021
MV-11106	On-Board I/O Communication Status	Communication Status of the On-Board Inputs and Outputs	Always	Read	NA		1 = Not Configured 2 = Not Communicating 3 = Communicating 4 = Communicating - Not Configured	Input	32022

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
MV-11110	Service Test State Request	Point to request the unit into a service test step.	Always	Write	NA	Inactive	*See [a] 1 = Inactive 2 = Fan On Econ Open 3 = High Fan Speed Econ Open 4 = Ventilation Low Fan Speed 5 = Ventilation Mid Fan Speed 6 = Ventilation High Fan Speed 7 = Cool 1 8 = Cool 2 9 = Cool 3 10 = Cool 4 11 = Cool 5 12 = Reheat 13 = Heat 1 14 = Heat 2 15 = Heat 3 16 = Heat 4 17 = Aux Heat 1 18 = Aux Heat 2 19 = Defrost 20 = Emergency Heat 21 = Open Reheat Valve 1 22 = Close Reheat Valve 1 23 = Refrigerant Recovery	Holding	42017
MV-11111	Cooling Reset Type	Selectable discharge air cooling reset type based on outdoor, space, or return air temperature.	System Type is Configured as VVDA	Write	NA	None	1 = None 2 = Outdoor Air 3 = Zone 4 = Return Air	Holding	42018
MV-11112	System Mode Switch Local	Indicates the status of the system mode switch connected to the controller as arbitrated between wired and wireless sources.	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT	Read	Setpoint Simple BAS	Auto	1 = Off 2 = Auto 3 = Cool 4 = Heat 5 = Emergency Heat	Input	32025
MV-11113	Timed Override Status	Indicates the status of the timed override request	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor and System Type is Configured as VVZT or CVZT or System Type is Configured as VVDA	Read	Sensor Complex		1 = Idle 2 = On 3 = Cancel	Input	32026

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
MV-11114	Trane Unit Type	Indicates the equipment type according to the manufacturer's classification	Always	Read	NA		1 = 1 Heat/1 Cool 2 = Heat Pump 3 = Blower Coil 4 = Unit Ventilator 5 = Fan Coil 6 = Rooftop 7 = Air Handler 8 = Vertical Self Contained 9 = Unitary 10 = VAV Box	Input	32027
MV-11115	Unit Stop Source	Source of the stop command that turned off the equipment.	Always	Read	NA		1 = None 2 = Emergency Stop 3 = Drain Pan Overflow 4 = Local HI 5 = Remote HI 6 = External Auto Stop 7 = Phase Monitor 8 = Emergency Override 9 = Supply Fan Fault 10 = Equipment Shutdown Input 11 = Smoke Detector 12 = Equipment Limit 13 = Sensor Failure	Input	32028
MV-11116	Emergency Override BAS - Active	Active value for Emergency Override BAS point being used for control.	Always	Read	Setpoint Simple with Priority Array		1 = Normal 2 = Pressurize 3 = Depressurize 4 = Purge 5 = Shutdown 6 = Fire	Input	32029
MV-11118	Economizer Decision Method	Used to indicate the method of enabling airside economizing	Outside Air is configured as 0-100%	Read	NA		1 = Absolute Temperature 2 = Relative Temperature 3 = Absolute Enthalpy 4 = Comparative Enthalpy 5 = Differential Dry Bulb	Input	32030

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
MV-11119	Refrigerant Type	Indicates the type of refrigerant used in the equipment	Always	Read	NA		1 = R-11 2 = R-12 3 = R-22 4 = R-123 5 = R-134a 6 = R-407C 7 = R-410A 8 = R-113 9 = R-114 10 = R-500 11 = R-502 12 = R-404A 13 = R-513A 14 = R-1233zd(E) 15 = R-514A 16 = R-1234ze(E) 17 = R-454B	Input	32031
MV-11120	Economizer Airside Enable BAS - Active	Active value for Economizer Airside Enable BAS point being used for control.	Outside Air is configured as 0-100%	Read	Setpoint Simple with Priority Array		1 = Disabled 2 = Enabled 3 = Auto	Input	32032
MV-11121	Heat Cool Mode Request - Active	Active value for Heat Cool Mode Request point being used for control.	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor or System Type is Configured as VVDA	Read	Setpoint Simple with Priority Array		1 = Auto 2 = Heat 3 = Morning Warm-up 4 = Cool 5 = Night Purge 6 = Pre Cool 7 = Off 8 = Test 9 = Emergency Heat 10 = Fan Only 11 = Free Cool 12 = Ice-Making 13 = Max Heat 14 = Economizer 15 = Dehumidify 16 = Calibrate	Input	32033
MV-11123	Occupancy Status	Indicates the active occupancy mode of the controller	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor	Read	NA		1 = Occupied 2 = Unoccupied 3 = Occupied Bypass 4 = Occupied Standby 5 = Auto	Input	32035

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
MV-11125	Occupancy Request Active	Active Occupancy mode being requested of the unit.	Space Controller is Configured as Single Setpoint or Dual Setpoint Zone Sensor	Read	Setpoint Simple with Priority Array		1 = Occupied 2 = Unoccupied 3 = Occupied Bypass 4 = Occupied Standby 5 = Auto	Input	32037
MV-11126	Supply Fan 1 Communication Status	Communication Status of the Modbus Supply Fan 1	Indoor Fan Type Configured as Multi Speed or Variable Speed	Read	NA		1 = Not Configured 2 = Not Communicating 3 = Communicating 4 = Communicating - Not Configured	Input	32038
MV-11127	Supply Fan 2 Communication Status	Communication Status of the Modbus Supply Fan 2	Indoor Fan Type Configured as Multi Speed or Variable Speed	Read	NA		1 = Not Configured 2 = Not Communicating 3 = Communicating 4 = Communicating - Not Configured	Input	32039
MV-11128	Gas Heat Ignition Module 1 Communication Status	Communication Status of the Modbus Gas Heat Ignition Module 1	Primary Heating Source is Configured as Gas	Read	NA		1 = Not Configured 2 = Not Communicating 3 = Communicating 4 = Communicating - Not Configured	Input	32043
MV-11130	Emergency Override Status	Indicates the active Emergency Override mode in control of the equipment	Always	Read	NA		1 = Normal 2 = Pressurize 3 = Depressurize 4 = Purge 5 = Shutdown 6 = Fire	Input	32042
MV-11133	Stepper Motor Communication Status	Communication Status of the Stepper Motor Inputs and Outputs	Stepper Motor Module Installed and In-Use	Read	NA		1 = Not Configured 2 = Not Communicating 3 = Communicating 4 = Communicating - Not Configured	Input	32045
MV-11136	Heating Reset Type	Selectable discharge air heating reset type of outdoor, space, or return air temperature.	System Type is Configured as VVDA and Heat Installed	Write	NA	None	1 = None 2 = Outdoor air 3 = Zone 4 = Return Air	Holding	42021
MV-11137	Heating Reset Type Status	Discharge air heating reset type status	System Type is Configured as VVDA	Read	NA		1 = None 2 = Outdoor air 3 = Zone 4 = Return Air	Input	32048
MV-11138	Compressor 1 VFD Communication Status	Communication Status of the Modbus Compressor VFD	Efficiency == Ultra High	Read	NA		1 = Not Configured 2 = Not Communicating 3 = Communicating 4 = Communicating - Not Configured	Input	32050

Object Identifier	Object Name	Description	Configuration Dependency	Read/ Write	Arbitration Pattern	Relinquish Default	Object States	Modbus Register Type	Modbus Register 1
MV-11139	Refrigerant Leak Sensor Communication Status Sensor A	Communication status of the Modbus communicating refrigerant detection system.	Always	Read	NA		1 = Not Configured 2 = Not Communicating 3 = Communicating 4 = Communicating - Not Configured	Input	32052

[a] Service test states will vary according to unit features. Modes shown here are for ilustration purposes.