Symbio™ 800 Integration Points List
BACnet®/Modbus™
IntelliCore™ Split System (RAUK)

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.

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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 type.
- 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	Units	Valid Range	Modbus Register Type	Modbus Register Address
AI-10101	Cooling Capacity Status	Indicates the actual operating unit cooling capacity	All RAUK Units	Read	%	0 to 120	Input	30027
AI-10111	Outdoor Air Damper Position	Indicates the requested position of the Outdoor Air Damper	Supply Air VAV Control and Economizer Present	Read	%	0 to 120	Input	30119
AI-10118	Outdoor Air Temperature Active	Indicates the active outdoor air temperature currently being used by the controller	All RAUK Units	Read	°F	-40 to 200	Input	30129
AI-10121	Discharge Cooling Setpoint Active	Indicates the discharge temperature cooling setpoint value resulting from arbitration	Supply Air VAV or EVP System Control	Read	°F	-40 to 200	Input	30041
AI-10124	Discharge Temperature	Indicates the actual discharge temperature being used by the controller	All RAUK Units	Read	°F	-40 to 200	Input	30053
AI-10154	Economizer Minimum Position Setpoint Active	Indicates the economizer minimum position setpoint value resulting from arbitration	Supply Air VAV Control and Economizer Present	Read	%	0 to 120	Input	30073
AI-10156	Outdoor Air Temperature Local	Indicates the outdoor air temperature value from a sensor connected to the controller	All RAUK Units	Read	°F	-40 to 200	Input	30131
AI-10161	Condenser Capacity	Indicates the status of the unit condenser capacity	All RAUK Units	Read	%	0 to 120	Input	30021
AI-10181	Discharge Temperature Local	Indicates the discharge temperature value from a sensor connected to the controller	All RAUK Units	Read	°F	-40 to 200	Input	30055
AI-10206	Number of Circuits	Indicates the number of refrigeration circuits in the unit	All RAUK Units	Read	None	0 to 255	Input	30105
AI-10207	Number of Compressors Circuit 1	Indicates the number of compressors on DX circuit 1 of the unit	All RAUK Units	Read	None	0 to 255	Input	30107

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AI-10208	Number of Compressors Circuit 2	Indicates the number of compressors on DX circuit 2 of the unit	40-120T	Read	None	0 to 255	Input	30109
AI-10224	Average Current	Indicates the average current, as reported by the optional power monitoring feature of the product	Power Monitoring Present	Read	Amps	Display up to 9 digits	Input	30015
AI-10227	Run Time - Compressor 1A	Indicates the run time of Compressor 1A	All RAUK Units	Read	*	Display up to 9 digits	Input	30149
AI-10228	Starts - Compressor 1A	Indicates the number of starts for Compressor 1A	All RAUK Units	Read	None	Display up to 9 digits	Input	30191
AI-10229	Run Time - Compressor 1B	Indicates the run time of Compressor 1B	All RAUK Units	Read	*	Display up to 9 digits	Input	30151
AI-10230	Starts - Compressor 1B	Indicates the number of starts for Compressor 1B	All RAUK Units	Read	None	Display up to 9 digits	Input	30193
AI-10231	Run Time - Compressor 1C	Indicates the run time of Compressor 1C	All RAUK Units	Read	*	Display up to 9 digits	Input	30153
AI-10232	Starts - Compressor 1C	Indicates the number of starts for Compressor 1C	30T and 80-120T	Read	None	Display up to 9 digits	Input	30195
AI-10233	Run Time - Compressor 2A	Indicates the run time of Compressor 2A	40-120T	Read	*	Display up to 9 digits	Input	30155
AI-10234	Starts - Compressor 2A	Indicates the number of starts for Compressor 2A	40-120T	Read	None	Display up to 9 digits	Input	30197
AI-10235	Run Time - Compressor 2B	Indicates the run time of Compressor 2B	40-120T	Read	*	Display up to 9 digits	Input	30157
AI-10236	Starts - Compressor 2B	Indicates the number of starts for Compressor 2B	40-120T	Read	None	Display up to 9 digits	Input	30199
AI-10237	Run Time - Compressor 2C	Indicates the run time of Compressor 2C	40-120T	Read	*	Display up to 9 digits	Input	30159
AI-10238	Starts - Compressor 2C	Indicates the number of starts for Compressor 2C	80-120T	Read	None	Display up to 9 digits	Input	30201
AI-10239	Current L1	Indicates the current for line/leg 1, as reported by the optional power monitoring feature of the product	Power Monitoring Present	Read	Amps	Display up to 9 digits	Input	30029

Object Identifier	Object Name	Description	Configuration Dependency	Read / Write	Units	Valid Range	Modbus Register Type	Modbus Register Address
AI-10240	Current L2	Indicates the current for line/leg 2, as reported by the optional power monitoring feature of the product	Power Monitoring Present	Read	Amps	Display up to 9 digits	Input	30031
AI-10241	Current L3	Indicates the current for line/leg 3, as reported by the optional power monitoring feature of the product	Power Monitoring Present	Read	Amps	Display up to 9 digits	Input	30033
AI-10242	Current Neutral	Indicates the current for neutral, as reported by the optional power monitoring feature of the product	Power Monitoring Present	Read	Amps	Display up to 9 digits	Input	30035
AI-10243	Discharge Cooling Setpoint Status	Indicates the actual discharge temperature cooling setpoint value	Supply Air VAV or EVP System Control	Read	°F	-40 to 200	Input	30043
AI-10246	Discharge Gauge Pressure Circuit 1	Indicates the refrigerant discharge gauge pressure for DX circuit 1	All RAUK Units	Read	PSI	-20 to 700	Input	30059
AI-10247	Discharge Gauge Pressure Circuit 2	Indicates the refrigerant discharge gauge pressure for DX circuit 2	40-120T	Read	PSI	-20 to 700	Input	30061
AI-10249	Energy Consumption Lifetime	Indicates the total energy consumption of the unit (for the lifetime) when the power monitoring feature is included	Power Monitoring Present	Read	kWh	Display up to 9 digits	Input	30077
AI-10255	Line Frequency	Indicates the line frequency when the optional power monitoring option is included	Power Monitoring Present	Read	None	0 to 500	Input	30097
AI-10258	Power Factor	Indicates the reported power factor from the optional power monitoring option, when applicable	Power Monitoring Present	Read	None	Display up to 9 digits	Input	30133
AI-10262	Suction Gauge Pressure Circuit 1	Indicates the gauge suction pressure for DX circuit 1, in PSIG	All RAUK Units	Read	PSI	-20 to 700	Input	30203
AI-10263	Suction Gauge Pressure Circuit 2	Indicates the gauge suction pressure for DX circuit 2, in PSIG	40-120T	Read	PSI	20 to 700	Input	30205
AI-10268	Total Apparent Energy	Indicates the total apparent energy as reported by the optional power monitoring feature, when present	Power Monitoring Present	Read	kWh	Display up to 9 digits	Input	30225

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Object Identifier	Object Name	Description	Configuration Dependency	Read / Write	Units	Valid Range	Modbus Register Type	Modbus Register Address
AI-10269	Energy Consumption	Indicates the total energy consumption of the unit (since last accumulation reset) when the power monitoring feature is included	Power Monitoring Present	Read	kWh	Display up to 9 digits	Input	30075
AI-10270	Total Reactive Energy	Indicates the total reactive energy as reported by the optional power monitoring feature, when present	Power Monitoring Present	Read	kWh	Display up to 9 digits	Input	30229
AI-10271	Total Real Power	Indicates the total real power as reported by the optional power monitoring feature, when present	Power Monitoring Present	Read	kWh	Display up to 9 digits	Input	30233
AI-10272	Total Apparent Power	Indicates the total apparent power as reported by the optional power monitoring feature, when present	Power Monitoring Present	Read	kWh	Display up to 9 digits	Input	30227
AI-10273	Total Reactive Power	Indicates the total reactive power as reported by the optional power monitoring feature, when present	Power Monitoring Present	Read	kWh	Display up to 9 digits	Input	30231
AI-10275	Voltage L1-L2	Indicates the voltage between line/leg L1 and L2	Power Monitoring Present	Read	Volts	0 to 1000	Input	30235
AI-10276	Voltage L1-L3	Indicates the voltage between line/leg L1 and L3	Power Monitoring Present	Read	Volts	0 to 1000	Input	30237
AI-10277	Voltage L1-N	Indicates the voltage between line/leg L1 and Neutral	Power Monitoring Present	Read	Volts	0 to 1000	Input	30239
AI-10278	Voltage L2-L3	Indicates the voltage between line/leg L2 and L3	Power Monitoring Present	Read	Volts	0 to 1000	Input	30241
AI-10279	Voltage L2-N	Indicates the voltage between line/leg L2 and Neutral	Power Monitoring Present	Read	Volts	0 to 1000	Input	30243

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AI-10280	Voltage L3-N	Indicates the voltage between line/leg L3 and Neutral	Power Monitoring Present	Read	Volts	0 to 1000	Input	30245
AI-10282	Air Flow Percentage Circuit 1	Indicates the requested condenser percentage for circuit 1	All RAUK Units	Read	%	0 to 120	Input	30011
AI-10283	Air Flow Percentage Circuit 2	Indicates the requested condenser percentage for circuit 2	40-120T	Read	%	0 to 120	Input	30013
AI-10284	Discharge Saturated Refrigerant Temperature Circuit 1	Indicates the discharge saturation temperature for DX circuit 1	All RAUK Units	Read	°F	-40 to 200	Input	30063
AI-10285	Discharge Saturated Refrigerant Temperature Circuit 2	Indicates the discharge saturation temperature for DX circuit 2	40-120T	Read	°F	-40 to 200	Input	30065
AI-10286	Suction Saturated Refrigerant Temperature Circuit 1	Indicates suction saturated refrigerant temperature for DX circuit 1	All RAUK Units	Read	°F	-40 to 200	Input	30207
AI-10287	Suction Saturated Refrigerant Temperature Circuit 2	Indicates suction saturated refrigerant temperature for DX circuit 2	40-120T	Read	°F	-40 to 200	Input	30209
AI-10288	Suction Temperature Ckt1	Indicates the suction temperature for DX circuit 1	All RAUK Units	Read	°F	-40 to 200	Input	30211
AI-10290	Suction Temperature Ckt2	Indicates the suction temperature for DX circuit 2	40-120T	Read	°F	-40 to 200	Input	30215

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AI-10324	Run Time - Compressor 1A (Hours)	Indicates the run time of Compressor 1A, in hours	All RAUK Units	Read	Hours	Display up to 9 digits	Input	30331
AI-10325	Run Time - Compressor 1B (Hours)	Indicates the run time of Compressor 1B, in hours	All RAUK Units	Read	Hours	Display up to 9 digits	Input	30333
AI-10326	Run Time - Compressor 1C (Hours)	Indicates the run time of Compressor 1C, in hours	30T and 80-120T	Read	Hours	Display up to 9 digits	Input	30335
AI-10327	Run Time - Compressor 2A (Hours)	Indicates the run time of Compressor 2A, in hours	40-120T	Read	Hours	Display up to 9 digits	Input	30337
AI-10328	Run Time - Compressor 2B (Hours)	Indicates the run time of Compressor 2B, in hours	40-120T	Read	Hours	Display up to 9 digits	Input	30339
AI-10329	Run Time - Compressor 2C (Hours)	Indicates the run time of Compressor 2C, in hours	80-120T	Read	Hours	Display up to 9 digits	Input	30341
AI-10330	Discharge Pressure Circuit 1	Indicates the refrigerant discharge absolute pressure for DX circuit 1, in PSIA	All RAUK Units	Read	PSI	-20 to 700	Input	30343
AI-10331	Discharge Pressure Circuit 2	Indicates the refrigerant discharge absolute pressure for DX circuit 2, in PSIA	40-120T	Read	PSI	-20 to 700	Input	30345
AI-10332	Suction Pressure Circuit 1	Indicates the absolute suction pressure for DX circuit 1, in PSIA	All RAUK Units	Read	PSI	-20 to 700	Input	30347
AI-10333	Suction Pressure Circuit 2	Indicates the absolute suction pressure for DX circuit 2, in PSIA	40-120T	Read	PSI	-20 to 700	Input	30349
AI-10400	Local Atmospheric Pressure	Status of the Local Atmospheric Pressure Setting	All RAUK Units	Read	PSI	Display up to 9 digits	Input	30361
AI-10401	Unit Design Capacity	Indicates design capacity for the Unit.	All RAUK Units	Read	kWh	Display up to 9 digits	Input	30363

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AI-10402	Ctrl Box Ventilation Fan Run Time	Indicates the run time of Control Box Fan	80-120T	Read	Hours	Display up to 9 digits	Input	30365

* Units are seconds if point is used with 3rd party BAS. Units are hours if point is used with Trane SC+.

Object Identifier	Object Name	Description	Configuration Dependency	Read / Write	Units	Valid Range	Heartbeat (seconds)	Modbus Register Type	Modbus Register Address
AV-10101	Discharge Temperature Arbitrator	Indicates the actual discharge temperature being used by the controller, as determined by the arbitration logic that considers all possible sources	All RAUK Units	Write	°F	-40 to 200	0	Holding	40027
AV-10103	Outdoor Air Temperature Arbitrator	Indicates the actual outdoor air temperature being used by the controller, as determined by the arbitration logic that considers all possible sources	All RAUK Units	Write	°F	-40 to 200	0	Holding	40079
AV-10111	Discharge Temperature BAS	The value is normally provided by the BAS to send the discharge temperature sensor value. The value is subject to arbitration logic in the controller, in which case it may or may not be used for control purposes.	All RAUK Units	Write	°F	-40 to 200	900	Holding	40029
AV-10113	Outdoor Air Temperature BAS	The value is normally provided by the BAS to send the outdoor air temperature sensor value. The value is subject to arbitration logic in the controller, in which case it may or may not be used for control purposes.	All RAUK Units	Write	°F	-40 to 200	900	Holding	40081
AV-10121	Discharge Cooling Setpoint BAS	Normally provided by the BAS to request the discharge air temperature cooling setpoint value	Supply Air VAV or EVP System Control	Write	°F	9 to 95	0	Holding	40021
AV-10139	Cooling Capacity Enable	This percentage value is normally provided by the BAS to deman limit the cooling capacity.	All RAUK Units	Write	%	0 to 100	0	Holding	40011

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Object Identifier	Object Name	Description	Configuration Dependency	Read / Write	Units	Valid Range	Heartbeat (seconds)	Modbus Register Type	Modbus Register Address
AV-10144	Economizer Minimum Position Setpoint BAS	Normally provided by the BAS to request the economizer minimum position setpoint	Supply Air VAV Control and Economizer Present	Write	%	0 to 100	0	Holding	40041
AV-10150	Economizer Outdoor Air Enable Setpoint BAS	Related to the economizer enable decision, this value is normally provided by the BAS to determine the outdoor air temperature below which economizing is enabled.	Supply Air VAV Control and Economizer Present	Write	°F	50 to 140	0	Holding	40043
AV-10163	Demand Limit Setpoint	This value is normally provided by the BAS to demand limit the unit. Demand Limit Request BAS must be set to "Limited" in order for the value to have meaning.	All RAUK Units	Write	%	0 to 100	0	Holding	40019

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Object Identifier	Object Name	Description	Configuration Dependency	Read / Write	Object States	Modbus Register Type	Modbus Register Address
BI-10001	microSD	Indicates when a micro SD card is present	All RAUK Units	Read	0 = MicroSD card is not present 1 = MicroSD card is present	Input	NA
BI-10002	USB Port 1	Indicates when a USB device is present in port 1	All RAUK Units	Read	0 = USB device is not present 1 = USB device is present	Input	NA
BI-10003	USB Port 2	Indicates when a USB device is present in port 2	All RAUK Units	Read	0 = USB device is not present 1 = USB device is present	Input	NA
BI-10004	USB Port 3	Indicates when a USB device is present in port 3	All RAUK Units	Read	0 = USB device is not present 1 = USB device is present	Input	NA
BI-10005	USB Port 4	Indicates when a USB device is present in port 4	All RAUK Units	Read	0 = USB device is not present 1 = USB device is present	Input	NA
BI-10105	FDD: Unit Economizing When It Should Not	FDD: Indicates when the unit is economizing but should not be	Supply Air VAV Control and Economizer Present	Read	0 = Inactive 1 = Active	Input	33053
BI-10106	FDD: Unit Not Economizing When it Should Be	FDD: Indicates when the unit is not economizing but should be	Supply Air VAV Control and Economizer Present	Read	0 = Inactive 1 = Active	Input	33054
BI-10111	Compressor 1A Status	Indicates the operating status of compressor 1A	All RAUK Units	Read	0 = Off 1 = Running	Input	33015
BI-10112	Compressor 1B Status	Indicates the operating status of compressor 1B	All RAUK Units	Read	0 = Off 1 = Running	Input	33016

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Object Identifier	Object Name	Description	Configuration Dependency	Read / Write	Object States	Modbus Register Type	Modbus Register Address
BI-10113	Compressor 1C Status	Indicates the operating status of compressor 1C	30T and 80-120T	Read	0 = Off 1 = Running	Input	33017
BI-10114	Compressor 2A Status	Indicates the operating status of compressor 2A	40 - 120T	Read	0 = Off 1 = Running	Input	33018
BI-10115	Compressor 2B Status	Indicates the operating status of compressor 2B	40 - 120T	Read	0 = Off 1 = Running	Input	33019
BI-10116	Compressor 2C Status	Indicates the operating status of compressor 2C	80 - 120T	Read	0 = Off 1 = Running	Input	33020
BI-10132	FDD: Outdoor Air Temperature Sensor Failure	FDD: Indicates when the outdoor air temperature sensor has failed	Supply Air VAV Control and Economizer Present	Read	0 = Inactive 1 = Active	Input	33052
BI-10155	Rapid Restart Status	Indicates the active status of the Rapid Restart event	Supply Air VAV or EVP System Control and Rapid Restart Present	Read	0 = Inactive 1 = Active	Input	33078
BI-10164	Coil Frost Protection Status Circuit 1	Indicates Active when actively in coil frost protection for circuit 1	No System Control or Supply Air VAV Control	Read	0 = Inactive 1 = Active	Input	33013
BI-10165	Coil Frost Protection Status Circuit 2	Indicates Active when actively in coil frost protection for circuit 2	40 - 120T and No System Control or Supply Air VAV Control	Read	0 = Inactive 1 = Active	Input	33014
BI-10176	Diagnostic Present	Diagnostic Present	All RAUK Units	Read	0 = Normal 1 = In Alarm	Input	33076
BI-10202	Condenser Fan Circuit 1 Relay 1 Status	Indicates the status of condenser fan circuit 1, relay 1	All RAUK Units	Read	0 = Off 1 = On	Input	33022
BI-10203	Condenser Fan Circuit 1 Relay 2 Status	Indicates the status of condenser fan circuit 1, relay 2	All RAUK Units	Read	0 = Off 1 = On	Input	33023

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Object Identifier	Object Name	Description	Configuration Dependency	Read / Write	Object States	Modbus Register Type	Modbus Register Address
BI-10204	Condenser Fan Circuit 1 Relay 3 Status	Indicates the status of condenser fan circuit 1, relay 3	25-30T and 50-120T	Read	0 = Off 1 = On	Input	33024
BI-10205	Condenser Fan Circuit 1 Relay 4 Status	Indicates the status of condenser fan circuit 1, relay 4	80-120T	Read	0 = Off 1 = On	Input	33025
BI-10206	Condenser Fan Circuit 2 Relay 1 Status	Indicates the status of condenser fan circuit 2, relay 1	40-120T	Read	0 = Off 1 = On	Input	33026
BI-10207	Condenser Fan Circuit 2 Relay 2 Status	Indicates the status of condenser fan circuit 2, relay 2	40-120T	Read	0 = Off 1 = On	Input	33027
BI-10208	Condenser Fan Circuit 2 Relay 3 Status	Indicates the status of condenser fan circuit 2, relay 3	50-120T	Read	0 = Off 1 = On	Input	33028
BI-10209	Condenser Fan Circuit 2 Relay 4 Status	Indicates the status of condenser fan circuit 2, relay 4	80-120T	Read	0 = Off 1 = On	Input	33029
BI-10210	Emergency Stop	Indicates the status of the emergency stop function of the unit	All RAUK Units	Read	0 = Auto 1 = Emergency Stop - Manual Reset Required	Input	33047
BI-10211	Equipment Stop Status	Indicates the status of the externally-wired auto/stop input	All RAUK Units	Read	0 = Stop 1 = Auto	Input	33049
BI-10218	Diagnostic: Manual Reset Required	Indicates when a diagnostic exists that requires manual reset	All RAUK Units	Read	0 = Normal 1 = In Alarm	Input	33031
BI-10219	Economizer Airside Status	Indicates the status of airside economizing. This value will be true when airside economizing is active / enabled.	Supply Air VAV Control and Economizer Present	Read	0 = Inactive 1 = Active	Input	33046
BI-10605	Diagnostic: Loss of Charge Lockout Ckt1	Indicates when a loss of charge lockout diagnostic exists for DX circuit 1	All RAUK Units	Read	0 = No 1 = Yes	Input	33037

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BI-10606	Diagnostic: Loss of Charge Lockout Ckt2	Indicates when a loss of charge lockout diagnostic exists for DX circuit 2	All RAUK Units	Read	1 = No 1 = Yes	Input	33038
BI-10619	Diagnostic Shutdown Present	Unit is shut down due to diagnostics	All RAUK Units	Read	0 = Normal 1 = In Alarm	Input	33082
BI-10620	Diagnostic: Local Manual Reset Required	Diagnostic Reset required [Local only]	All RAUK Units	Read	0 = Normal 1 = In Alarm	Input	33083
BI-13000	Front Panel Auto Stop Status	Status of the the Local Auto Stop setting	All RAUK Units	Read	0 = Stop 1 = Auto	Input	33084
BI-13002	Manual Override Exists	Indicator of a Manual Override being active	All RAUK Units	Read	0 = Off 1 = On	Input	33086
BI-13003	Frostat Input Status Circuit 1	Status of the Frostat Input for Circuit 1	ontrol or Supply Air	Read	0 = Open 1 = Closed	Input	33087
BI-13004	Frostat Input Status Circuit 2	Status of the Frostat Input for Circuit 2	stem Control or Sup	Read	0 = Open 1 = Closed	Input	33088
BI-13005	Freezestat Input Status	Status of the Freezestat Input	EVP System Contro	Read	0 = Open 1 = Closed	Input	33089
BI-13006	Refrigerant Leak Detection	Indicates the active status of a refrigerant leak event.	All RAUK Units	Read	0 = Open 1 = Closed	Input	33091

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BV-10110	Reset Diagnostic	Normally used by the BAS to initiate a request to reset any remote controller diangostic	All RAUK Units	Write	0 = Normal 1 = Reset	Holding	43020
BV-10115	Cooling Lockout BAS	Normally used by the BAS as a command to (temporarily) prevent all mechanical cooling	All RAUK Units	Write	0 = Normal 1 = Locked Out	Holding	43011
BV-10116	Demand Limit Request BAS	This command is normally provided by the BAS to demand limit the unit. The command is used in conjuction with Demand Limit Setpoint to determine the percentage the unit will be limited.	All RAUK Units	Write	0 = Not Limited 1 = Limited	Holding	43014
BV-10117	Energy Consumption Reset	Normally used by the BAS to reset the energy consumption accumulated total	Power Monitoring Present	Write	0 = Accumulating 1 = Reset	Holding	43015
BV-10120	Rapid Restart Enable	Enables/Disables rapid restart operation.	Supply Air VAV or EVP System Control and Rapid Restart Present	Write	0 = Disable 1 = Enable	Holding	43023
BV-10140	Auto Stop Command BAS	BAS Auto Stop Command	All RAUK Units	Write	0 = Stop 1 = Auto	Holding	43084

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Date: 12/04/2024
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Reference Document: BAS-SVP083*-EN

Object Identifier	Object Name	Description	Configuration Dependency	Object States	Read / Write	Modbus Register Type	Modbus Register Address
MI-10105	Cooling Reset Type Status	Indicates the type of cooling reset used by the controller	Supply Air VAV or EVP System Control	1 = None 2 = Outdor Air	Read	Input	32013
MI-10108	Economizer Type	Indicates the general description of the type of economizer system	All RAUK Units	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	Read	Input	32015
MI-10109	Condenser Type	Indicates the general description of the equipment condenser system	All RAUK Units	1 = None 2 = Air Cooled Condenser 3 = Water Cooled Condenser 4 = Evaporative Condenser	Read	Input	32012

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Object Identifier	Object Name	Description	Configuration Dependency	Object States	Read / Write	Modbus Register Type	Modbus Register Address
MI-10117	Refrigerant Type	Indicates the type of refrigerant used in the equipment	All RAUK Units	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	Read	Input	32021
MI-10119	Arbitration Method	The arbitration method is used to define the source of the data being provided to the controller. The source can be defined as DEFAULT (stored in the controller, such as setpoints and settings), LOCAL (for wired/wireless sensors), or FULL (for all remote sources, including BMS, custom programming, etc.).	All RAUK Units	1 = Full Source 2 = Local Source 3 = Default Source	Read	Input	32011
MI-10121	Electrical Service Type	Indicates the electrical service type used for the unit	Power Monitoring Present	1 = A+N 2 = A+B 3 = A+B+N 4 = A+B+C 5 = A+B+C+N	Read	Input	32016

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Object Identifier	Object Name	Description	Configuration Dependency	Object States	Read / Write	Modbus Register Type	Modbus Register Address
MI-10132	Economizer Decision Method	Normally provided by the BAS to determine the method of enabling airside economizing	Supply Air VAV Control and Economizer Present	1 = Absolute Temperature 2 = Relative Temperature 3 = Absolute Enthalpy 4 = Comparative Enthalpy	Read	Input	32014
MI-10140	Unit Status	Indicates the unit is off, waiting for a need to cool, or cooling is running.	All RAUK Units	1 = Off 2 = Waiting 3 = Running	Read	Input	32029
MI-10144	Economizer System Status	Indicates the status of enabling economizing	Supply Air VAV Control and Economizer Present	1 = Disabled 2 = Enabled 3 = Not Present	Read	Input	32027
MI-10145	Model Information [GEN2]	Model Information	All RAUK Units	64 = RAUK	Read	Input	32028

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Object Identifier	Object Name	Description	Configuration Dependency	Object States	Read / Write	Modbus Register Type	Modbus Register Address
MV-10103	Economizer Airside Enable BAS	Normally provided by the BAS to enable airside economizing	Supply Air VAV Control and Economizer Present	1 = Disabled 2 = Enabled 3 = Auto	Write	Holding	42011

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