



BACnet Gateway User Guide

Table of Contents

- [Quick Start for BACnet Gateway](#)
- [Detailed Setup for BACnet Gateway](#)
- [VRF Device Addressing](#)
 - [Dnet Prefix](#)
 - [Outdoor Unit Device Instance](#)
 - [Indoor Unit Device Instance](#)
 - [Generating a Hub Specific BACnet Points list](#)
- [BACnet Points List](#)
 - [Indoor Unit Points](#)

BACnet Gateway Overview

Designed for enhancing system interoperability, BACnet Gateway enables BACnetIP communication with VRF devices. It provides supervisory BACnet controllers with a reliable way to read and write data to VRV devices, allowing for direct control and interaction with VRF devices. Through BACnet Gateway each VRF device presents as a unique BACnet device with its own BACnet instance.

This user guide will provide detailed steps and guidelines to help you effectively utilize this new feature. Please proceed to the following sections for further details on its implementation and use.

Quick Start for BACnet Gateway

- Use the BACnet Router interface to assign and BACnet network number to ip1
- Enable BACnet Server on ip1
- Enable BACnet Gateway
- Set Gateway Network Number (Virtual BACnet network the VRF devices will reside on)
- Adjust Dnet Prefix value if required
- Set the BACnet device instances for the Hub and Router if required to be adjusted
- Restart the Turntide Hub

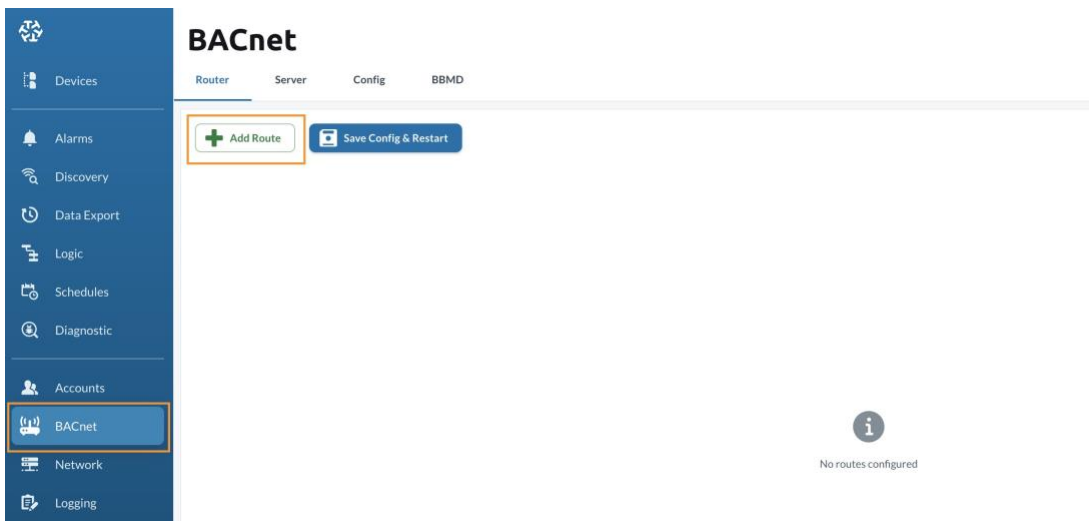
i Hub and Router device instances must both be unique values in the BACnet network

i If a site has multiple Turntide Hubs, each must have a unique Dnet Prefix

Detailed Setup for BACnet Gateway

During the setup process the system will ask you if you would like to restart the Turntide hub. This does not need to be done after each step **but must be done for any changes to take effect**. It is recommended to restart the Turntide Hub after completing all setup steps.

In the Turntide Hub UI, navigate to the BACnet section. In the **Router** tab, click the *Add Route* button



With the Route enabled (A), enter the required values as directed by the controls contractor.

(A) Interface: Set this to ip1

⚠ BACnet Gateway is only supported on ip1 of the Turntide Hub.

(B) Port: The communication port number used for BACnet. In most instances this will be the default value of 47808 unless advised otherwise by the controls contractor.

(C) Network Number: The BACnet network number that the Turntide Hub and Router will be discovered on. Valid range is 1 - 65535.

The network number should be supplied by the controls contractor.

Add Route

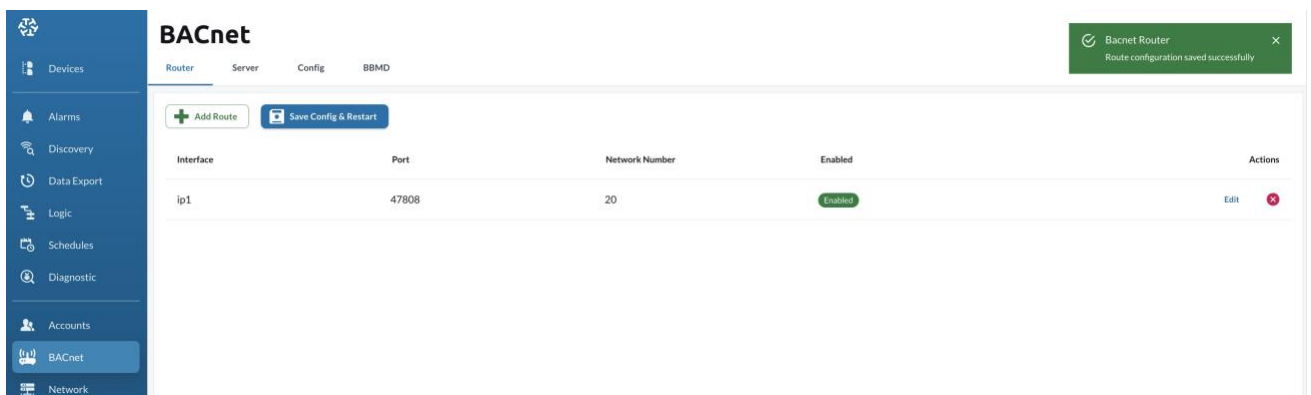
Enabled A

Interface B

Port C

Network Number D

Click Create



The screenshot shows the BACnet configuration page with the 'Server' tab selected. A green notification banner at the top right says 'Bacnet Router Route configuration saved successfully'. Below the navigation bar, there are buttons for '+ Add Route' and 'Save Config & Restart'. A table displays the current route configuration:

Interface	Port	Network Number	Enabled	Actions
ip1	47808	20	Enabled	Edit <input type="button" value="X"/>

Navigate to the **Server** tab and enable the Server toggle (A).

(A) Enabled: Enables BACnet Server (must be on to function).


(B) Interface: Must be set to ip1.

(C) Port: The communication port number used for BACnet. This should be the same value as was set in the BACnet Route.

(D) Enable BACnet Gateway: Enable this toggle to use the Turntide BACnet Gateway (most use cases).


i If using the legacy BACnet Server function only (all dnet data points are displayed as a single BACnet device) leave this off. For new applications, it is recommended that BACnet Gateway be enabled.

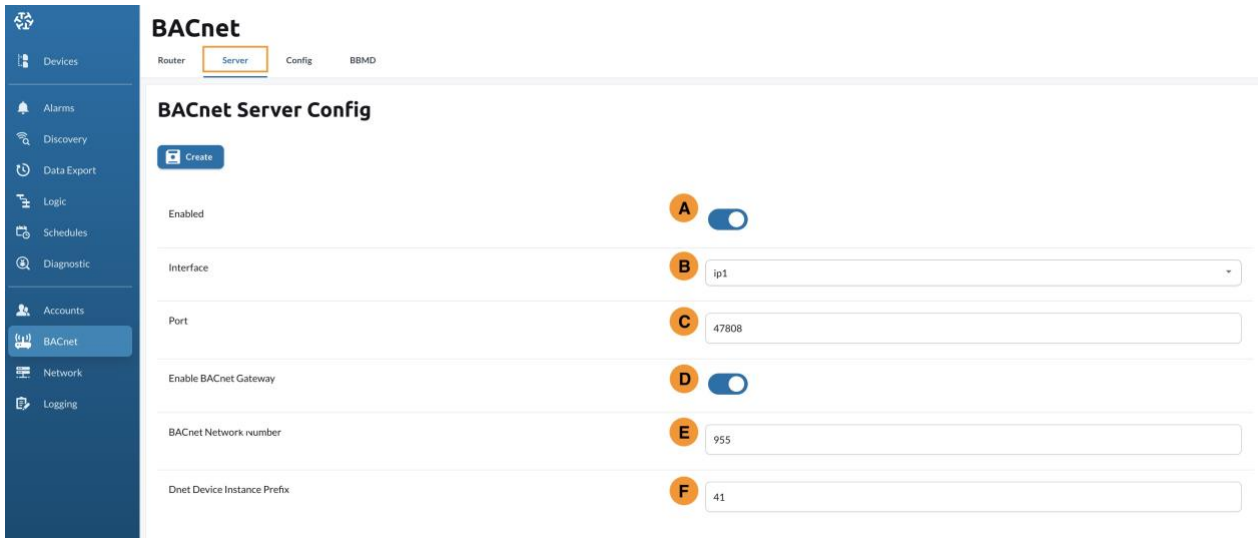
(E) BACnet Network Number: The BACnet network number that the VRV devices will be discovered on. Valid range is 1 - 65535.

 The network number should be supplied by the controls contractor.

 If a site has multiple Turntide Hubs, it's suggested that each hub have a unique BACnet Network Number.

(F) : Dnet Device Instance Prefix: This number will be the first digits of the BACnet device instance for all VRV devices. Valid range is 0 - 41

 If a site has multiple Turntide Hubs, each hub must have a unique Dnet Device Instance Prefix




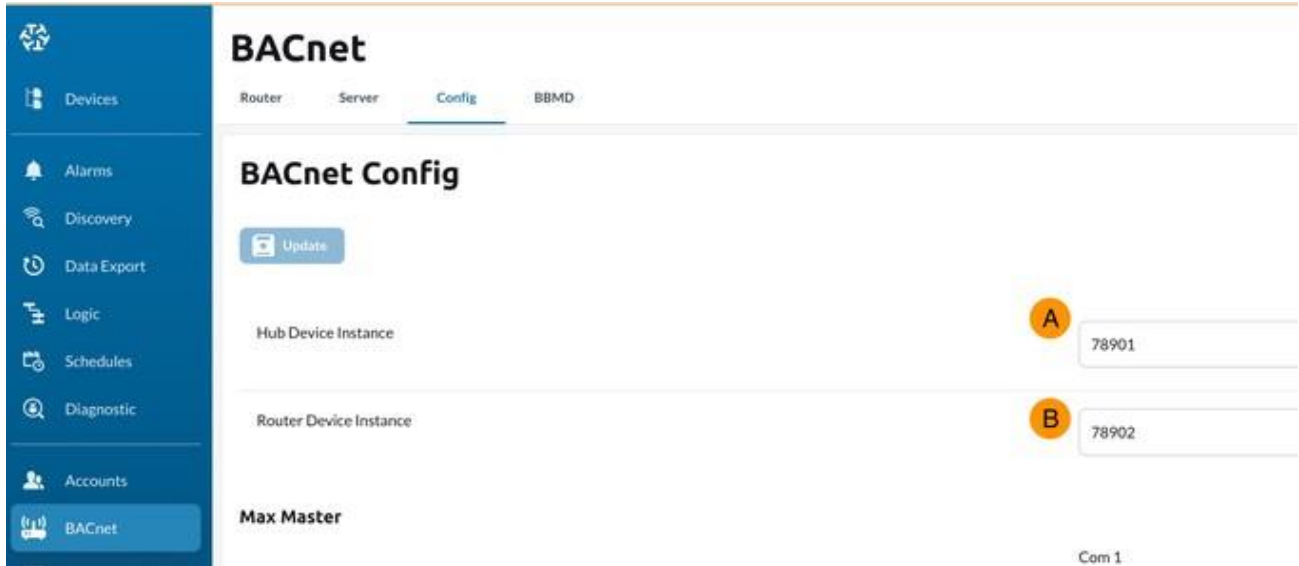
Click *Create*

Navigate to the **Config** tab. In this section you can adjust the BACnet device instances for the Turntide Hub and the virtual router.

(A) Hub Device Instance: The BACnet device instance of the Turntide Hub

(B) Router Device Instance: The BACnet device instance of the Turntide Hub's virtual router

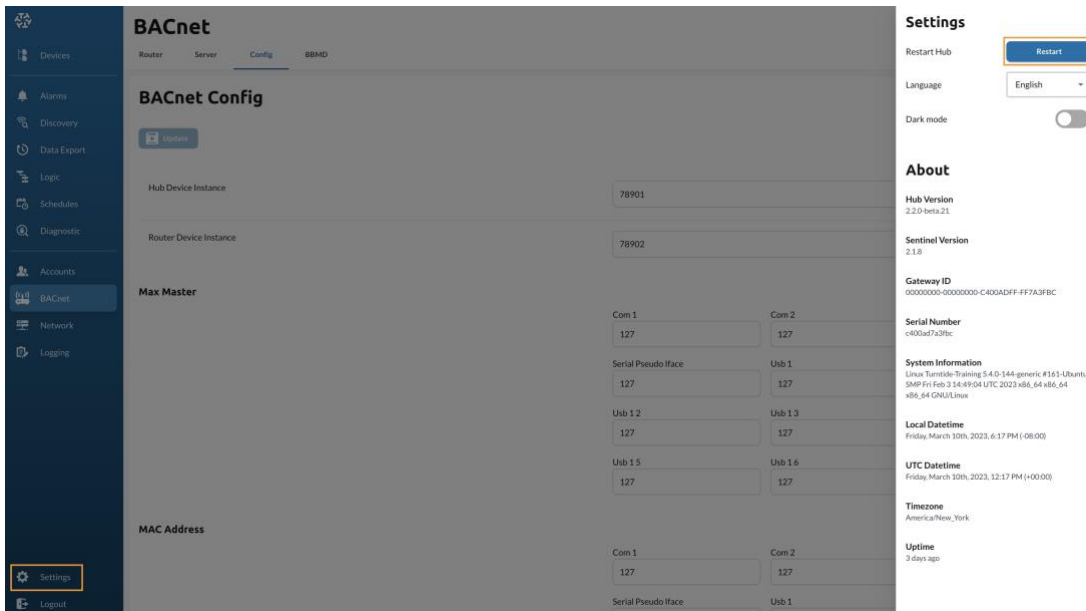
 Each device instance on a BACnet network must be unique. The Hub and Router instances must be unique between all Turntide hubs and other BACnet devices.



If changes were made click *Update*.

The Hub must be restarted for the BACnet Gateway settings to take affect.

If asked to restart the Hub, select yes. If not, you can restart the Hub from **Settings** and select



Restart.

VRF Device Addressing

Dnet Prefix

The dnet Prefix value is a one or two digit, configurable value that will be the first digits of the BACnet device instance for all VRF devices. Default Value = 41

Allowable range: 0 - 41

The BACnet device instance for each VRF device is derived from the formulas below.

Outdoor Unit Device Instance

HHUU9TT

Identifier	Explanation	Range	Example
HH	dnet prefix configured in the Hub UI	0 - 41	12
UU	USB comm port	10 - 47	USB1 = 10 USB 2.4 = 24
9	Reserved number range for ODUs	9	-
TT	Unit's Airnet Address	01 - 09	1 = 01 8 = 08

Example: A Hub with a dnet prefix **12**, connected to a VRV network on USB Port 2. An ODU on the network with airnet address **5**, has BACnet Device Instance = **1220905**

Indoor Unit Device Instance

HHUUGGG

Identifier	Explanation	Range	Example
HH	dnet prefix configured in the Hub UI	0 - 41	12
UU	USB comm port	10 - 47	USB1 = 10 USB 2.4 = 24
GGG	Unit's group address	100 - 416	1-01 = 101 3-12 = 312

Example: A Hub with a dnet instance prefix **14**, connected to a VRV network on USB Port **1.2**. An IDU on the network with Group Address **5-06**, has BACnet Device Instance = **1412506**

 Virtual Dnet devices, such as those used for VRV FCU group control are not available as BACnet devices.

Generating a Hub Specific BACnet Points list

After BACnet Gateway has been setup, Turntide can generate a hub specific BACnet points list for configured devices. This can be done remotely or locally by entering the appropriate URL in a web browser to generate a CSV export of the BACnet Gateway points list

Remote:

https://app.turntide.com/api/relay/HUB_Device_ID/export/bacnet_server?format=csv&entity

Use when the hub is connected to the cloud, substituting the actual Gateway ID for *Hub_Gateway_ID*.

ⓘ User must be logged into Turntide and have access to site

Local Connection: https://Hub_IP_Address:5000/api/export/bacnet_server?format=csv&entity

Use when connected directly to a hub or through a building LAN, substituting the hub's local IP address for *Hub_IP_Address*.

BACnet Points List

Indoor Unit Points

Point Name	Object Type	Object ID	Read/Write	Description
Mode	MO	1	R/W	Set Cool - Heat - Fan - Dry - Auto operation mode and monitor the latest setting
Fan Speed	MO	2	R/W	Set the indoor unit fan speed and monitor the latest setting
Room Temperature	AI	3	R	Monitors and displays the room temperature
Louver Position	MO	4	R/W	Set the indoor unit louver position and monitor the latest setting
On-Off	BO	5	R/W	Command the unit on or off and monitor the latest setting
Setpoint	AO	6	R/W	Set the indoor units space temperature setpoint and monitor the latest setting
Malfunction Code	MI	7	R	Monitors whether or not the indoor unit is operating normally or has a malfunction. Error code is reported
Filter	BI	8	R	Monitors the filter run time and provides service alert
Reset Filter Indicator	BO	9	R/W	Clear the filter sign status
Return Air Temperature	AI	81	R	Monitors and displays the return air temperature
Liquid Pipe Temperature	AI	82	R	Monitors and returns the liquid pipe temperature
Gas Pipe Temperature	AI	83	R	Monitors and returns the gas pipe temperature
EEV Opening	AI	86	R	Monitors and returns the expansion valve position

Thermostat - Lock On-Off	BV	600	W	Permits or prohibits controller to control the indoor unit's On/Off
Thermostat - Lock Mode	BV	601	W	Permits or prohibits controller to control the indoor unit's Mode
Thermostat - Lock Temperature	BV	602	W	Permits or prohibits controller to control the indoor unit's Setpoint
Airnet Address	AI	667	R	Returns the Airnet address of the unit
Group Address	SI	668	R	Returns the Group Address of the unit
Indoor Unit Model Code	SI	881	R	Model code of the unit
Operation-Stop	BI	886	R	Monitors the unit's stop override command
Thermostat ON	BI	887	R	Monitors whether or not the indoor unit is in thermo-on mode
Capacity Increase	BI	888	R	Monitor the unit's request for the outdoor unit to increase capacity
Superheat	AI	889	R	Monitor the units superheat value
Malfunction Cause	SI	890	R	Returns potential cause list for the active malfunction code
Alarm - Device Offline	BI	896	R	Monitors whether or not the indoor unit is communicating
IF 'VRV Setpoint Control' is 'Single'				
Minimum Cooling Setpoint	AV	1	R/W	
Maximum Heating Setpoint	AV	2	R/W	
IF 'VRV Setpoint Control' is 'Dual'				
Minimum Setpoint Differential	AV	895	R/W	Sets the minimum differential between the heating and cooling setpoint
Minimum Cooling Setpoint	AV	901	R/W	Sets the minimum cooling setpoint and monitor the latest setpoint value
Maximum Cooling Setpoint	AV	902	R/W	Sets the maximum cooling setpoint and monitor the latest setpoint value
Minimum Heating Setpoint	AV	903	R/W	Sets the minimum heating setpoint and monitor the latest setpoint value
Maximum Heating Setpoint	AV	904	R/W	Sets the maximum heating setpoint and monitor the latest setpoint value
Occupied Cooling Setpoint	AV	905	R/W	Sets the occupied cooling setpoint and monitor the latest setpoint
Unoccupied Cooling Setpoint	AV	906	R/W	Sets the unoccupied cooling setpoint and monitor the latest setpoint
Occupied Heating Setpoint	AV	907	R/W	Sets the occupied heating setpoint and monitor the latest setpoint
Unoccupied Heating Setpoint	AV	908	R/W	Sets the unoccupied heating setpoint and monitor the latest setpoint

Outdoor Unit Points (REYQ-AA)

#	Point Name	Object Type	Object ID	Read/Write
1	Alarm - Device Offline	BI	10897	R
2	Back Up Operation Status	BI	10049	R
3	Cool Heat Parallel Status	BI	10414	R
4	Cooling Status	BI	10019	R
5	Defrost Status	BI	10014	R
6	Demand State	BI	10415	R
7	Error Code	MI	10092	R
8	Heating Status	BI	10018	R
9	Malfunction Cause	SI	10890	R
10	Model Name	SI	10892	R
11	ODU Type	SI	10891	R
12	Oil Return Status	BI	10020	R
13	On-Off	BI	10999	R
14	Operation Control Mode	AI	10016	R
15	Outdoor Serial Number	SI	10093	R
16	Outdoor Unit Cooling Capacity	AI	10803	R
17	Outdoor Unit Heating Capacity	AI	10804	R
18	Outdoor Unit Power Consumption	AI	10802	R
19	Restart Standby Status	BI	10080	R
20	Startup Control Status	BI	10021	R
21	System Current	AI	10015	R
22	System Horsepower	AI	10011	R
23	Target Condensing Pressure MPa	AI	10883	R
24	Target Condensing Pressure PSI	AI	10882	R
25	Target Condensing Temperature	AI	10013	R
26	Target Evaporation Pressure MPa	AI	10885	R
27	Target Evaporation Pressure PSI	AI	10884	R
28	Target Evaporation Temperature	AI	10012	R
29	Thermostat ON Capacity	AI	10022	R
30	Thermostat ON Status	BI	10079	R
31	Ventilation Status	BI	10017	R
32	VRV Type	SI	10091	R
33	M - Accumulator Oil Return Status	BI	20064	R
34	M - Airnet Address	AI	21010	R
35	M - Ambient Temperature	AI	21030	R
36	M - Box Air Temperature	AI	21102	R

37	M - Box Outlet Air Temperature	AI	21099	R
38	M - Compressor 1 Body Temperature	AI	21026	R
39	M - Compressor 1 Discharge Step Down Status	BI	20052	R
40	M - Compressor 1 Discharge Temperature	AI	21024	R
41	M - Compressor 1 Inverter Status	BI	20058	R
42	M - Compressor 1 Inverter Step Down Status	BI	20045	R
43	M - Compressor 1 Operation Current	AI	20036	R
44	M - Compressor 2 Body Temperature	AI	21039	R
45	M - Compressor 2 Discharge Step Down Status	BI	20053	R
46	M - Compressor 2 Discharge Temperature	AI	21025	R
47	M - Compressor 2 Inverter Status	BI	20059	R
48	M - Compressor 2 Inverter Step Down Status	BI	20046	R
49	M - Compressor 2 Operation Current	AI	20037	R
50	M - Condensing Temperature	AI	21033	R
51	M - Crank Case Heater 1 Status	BI	20067	R
52	M - Crank Case Heater 2 Status	BI	20068	R
53	M - Demand Step Down Status	BI	20056	R
54	M - Discharge Pipe Retry Status	BI	20043	R
55	M - Error State	BI	20077	R
56	M - EV1 Opening Heat Exchanger Right Upper	AI	20071	R
57	M - EV2 Opening Heat Exchanger Right Lower	AI	20070	R
58	M - EV3 Opening Heat Exchanger Subcooling	AI	20069	R
59	M - EV4 Opening Refrigerant Cooling IPM	AI	20447	R
60	M - EV5 Opening Receiver Gas Purge	AI	20446	R
61	M - EV6 Opening Refrigerant Cooling Air	AI	20448	R
62	M - EV7 Opening Auto Charge	AI	20449	R
63	M - EV8 Opening Heat Exchanger Left	AI	20450	R
64	M - Evaporation Temperature	AI	21032	R
65	M - Fan Secondary Current	AI	20038	R
66	M - Fan Step	AI	20057	R
67	M - Four Way Valve Heat Exchanger Lower	BI	20440	R
68	M - Four Way Valve Heat Exchanger Upper	BI	20441	R
69	M - Four Way Valve Status Heat Exchanger Left	BI	20542	R
70	M - Four Way Valve Status HP LP Gas Pipe	BI	20062	R
71	M - Heat Exchanger Gas Temperature	AI	21028	R
72	M - Heat Exchanger Left Deicer Temperature	AI	21098	R
73	M - Heat Exchanger Left Liquid Pipe Temperature	AI	21101	R
74	M - Heat Exchanger Liquid Pipe Temperature Lower	AI	21469	R
75	M - Heat Exchanger Liquid Pipe Temperature Upper	AI	21468	R
76	M - Heat Exchanger Liquid Temperature	AI	21031	R
77	M - Heat Exchanger Right Deicer Temperature	AI	21040	R

78	M - Heat Exchanger Right Gas Pipe Temperature Lower	AI	21465	R
79	M - Heat Exchanger Right Gas Pipe Temperature Upper	AI	21464	R
80	M - High Pressure Retry Status	BI	20041	R
81	M - High Pressure Step Down Status	BI	20050	R
82	M - Horsepower	AI	20072	R
83	M - Injection Status	BI	20360	R
84	M - Inverter 1 Fin Step Down Status	BI	20047	R
85	M - Inverter 1 Rotation Amount	AI	20073	R
86	M - Inverter 1 Standby Status	BI	20054	R
87	M - Inverter 1 Temperature	AI	20034	R
88	M - Inverter 2 Fin Step Down Status	BI	20048	R
89	M - Inverter 2 Rotation Amount	AI	20074	R
90	M - Inverter 2 Standby Status	BI	20055	R
91	M - Inverter 2 Temperature	AI	20035	R
92	M - Low Pressure Retry Status	BI	20042	R
93	M - Low Pressure Step Down Status	BI	20051	R
94	M - Module Address	AI	21089	R
95	M - Oil Return 1 Status	BI	20063	R
96	M - Oil Return 2 Status	BI	20065	R
97	M - Overheating Standby Status	BI	2044	R
98	M - Receiver Entrance Temperature	AI	21376	R
99	M - Receiver Gas Purge Temperature	AI	21477	R
100	M - Refrigeration Discharging Status	BI	20548	R
101	M - Solenoid Valve	BI	20442	R
102	M - Subcooling Heat Exchanger Gas Temperature	AI	21023	R
103	M - Subcooling Heat Exchanger Liquid Temperature	AI	21029	R
104	M - Subcooling Injection Temperature	AI	21100	R
105	M - Suction Temperature	AI	21340	R

Outdoor Unit Points (REYQ-X & RELQ-T)

#	Point Name	Object Type	Object ID	Read/Write
1	Airnet Address	AI	10010	R
2	System Horsepower	AI	10011	R
3	Target Evaporation Temperature	AI	10012	R
4	Target Condensing Temperature	AI	10013	R
5	Defrost Status	BI	10014	R
6	System Current	AI	10015	R
7	Operation Control Mode	AI	10016	R
8	Heating Status	BI	10018	R

9	Cooling Status	BI	10019	R
10	Oil Return Status	BI	10020	R
11	Startup Control Status	BI	10021	R
12	Thermostat ON Capacity	AI	10022	R
13	Back Up Operation Status	BI	10049	R
14	Thermostat ON Status	BI	10079	R
15	Restart Standby Status	BI	10080	R
16	VRV Type	SI	10091	R
17	Error Code	MI	10092	R
18	Outdoor Serial Number	SI	10093	R
19	Cool Heat Parallel Status	BI	10414	R
20	Demand State	BI	10415	R
21	Outdoor Unit Power Consumption	AI	10802	R
22	Outdoor Unit Cooling Capacity	AI	10803	R
23	Outdoor Unit Heating Capacity	AI	10804	R
24	Target Condensing Pressure PSI	AI	10882	R
25	Target Condensing Pressure MPa	AI	10883	R
26	Target Evaporation Pressure PSI	AI	10884	R
27	Target Evaporation Pressure MPa	AI	10885	R
28	Malfunction Cause	SI	10890	R
29	On-Off	BI	10999	R
30	M - Airnet Address	AI	20010	R
31	M - High Pressure Retry Status	BI	20041	R
32	M - Low Pressure Retry Status	BI	20042	R
33	M - Discharge Pipe Retry Status	BI	20043	R
34	M - Overheating Standby Status	BI	20044	R
35	M - Compressor 1 Overcurrent Step Down Status	BI	20045	R
36	M - Compressor 2 Overcurrent Step Down Status	BI	20046	R
37	M - Inverter 1 Fin Step Down Status	BI	20047	R
38	M - Inverter 2 Fin Step Down Status	BI	20048	R
39	M - High Pressure Step Down Status	BI	20050	R
40	M - Low Pressure Step Down Status	BI	20051	R
41	M - Compressor 1 Discharge Step Down Status	BI	20052	R
42	M - Compressor 2 Discharge Step Down Status	BI	20053	R
43	M - Inverter 1 Standby Status	BI	20054	R
44	M - Inverter 2 Standby Status	BI	20055	R
45	M - Demand Step Down Status	BI	20056	R
46	M - Fan Step	AI	20057	R
47	M - Compressor 1 Inverter Status	BI	20058	R
48	M - Compressor 2 Inverter Status	BI	20059	R
49	M - Drain Pan Heater Status	BI	20060	R

50	M - Energy Cut Output Status	BI	20061	R
51	M - Four Way Valve Status	BI	20062	R
52	M - Oil Return 1 Status	BI	20063	R
53	M - Oil Return 2 Status	BI	20065	R
54	M - Crank Case Heater 1 Status	BI	20067	R
55	M - Crank Case Heater 2 Status	BI	20068	R
56	M - EV2 Opening	AI	20069	R
57	M - EV3 Opening	AI	20070	R
58	M - EV1 Opening	AI	20071	R
59	M - Horsepower	AI	20072	R
60	M - Inverter 1 Rotation Amount	AI	20073	R
61	M - Inverter 2 Rotation Amount	AI	20074	R
62	M - Fan 1 Rotation Amount	AI	20075	R
63	M - Fan 2 Rotation Amount	AI	20076	R
64	M - Error State	BI	20077	R
65	M - Module Address	AI	20089	R
66	M - Four Way Valve Heat Exchanger Lower	BI	20440	R
67	M - Four Way Valve Heat Exchanger Upper	BI	20441	R
68	M - Solenoid Valve	BI	20442	R
69	M - EV4 Opening	AI	20446	R
70	M - EV5 Opening	AI	20447	R
71	M - EV6 Opening	AI	20448	R
72	M - Subcooling Heat Exchanger Gas Temperature	AI	21023	R
73	M - Compressor 1 Discharge Temperature	AI	21024	R
74	M - Compressor 2 Discharge Temperature	AI	21025	R
75	M - Compressor Surface Temperature	AI	21026	R
76	M - Heat Exchanger Temperature	AI	21028	R
77	M - Subcooling Heat Exchanger Liquid Temperature	AI	21029	R
78	M - Ambient Temperature	AI	21030	R
79	M - Heat Exchanger Liquid Temperature	AI	21031	R
80	M - Evaporation Temperature	AI	21032	R
81	M - Condensing Temperature	AI	21033	R
82	M - Inverter 1 Fin Temperature	AI	21034	R
83	M - Inverter 2 Fin Temperature	AI	21035	R
84	M - Compressor 1 Current	AI	21036	R
85	M - Compressor 2 Current	AI	21037	R
86	M - Inverter Fan Current	AI	21038	R
87	M - Suction Temperature	AI	21340	R
88	M - Heat Exchanger Gas Pipe Temperature Upper	AI	21464	R
89	M - Heat Exchanger Gas Pipe Temperature Lower	AI	21465	R
90	M - Receiver Inlet Temperature	AI	21467	R

91	M - Heat Exchanger Liquid Pipe Temperature Upper	AI	21468	R
92	M - Heat Exchanger Liquid Pipe Temperature Lower	AI	21469	R
93	M - Compressor Suction Pipe Temperature	AI	21475	R
94	M - Receiver Gas Purge Temperature	AI	21477	R

Sub Module 1 and Sub Module 2 points follow similar addressing as the Main unit shown. S1 values being with a 3 and have the same 4 trailing digits, S2 values being with a 4 and have the same 4 trailing digits

Outdoor Unit Points (RXYQ-X & RXYQ-T)

#	Point Name	Object Type	Object ID	Read/Write
1	Airnet Address	AI	10010	R
2	System Horsepower	AI	10011	R
3	Target Evaporation Temperature	AI	10012	R
4	Target Condensing Temperature	AI	10013	R
5	Defrost Status	BI	10014	R
6	System Current	AI	10015	R
7	Operation Control Mode	AI	10016	R
8	Heating Status	BI	10018	R
9	Cooling Status	BI	10019	R
10	Oil Return Status	BI	10020	R
11	Startup Control Status	BI	10021	R
12	Thermostat ON Capacity	AI	10022	R
13	Back Up Operation Status	BI	10049	R
14	Thermostat ON Status	BI	10079	R
15	Restart Standby Status	BI	10080	R
16	VRV Type	SI	10091	R
17	Error Code	MI	10092	R
18	Outdoor Serial Number	SI	10093	R
19	Demand State	BI	10415	R
20	Outdoor Unit Power Consumption	AI	10802	R
21	Outdoor Unit Cooling Capacity	AI	10803	R
22	Outdoor Unit Heating Capacity	AI	10804	R
23	Target Condensing Pressure PSI	AI	10882	R
24	Target Condensing Pressure MPa	AI	10883	R
25	Target Evaporation Pressure PSI	AI	10884	R
26	Target Evaporation Pressure MPa	AI	10885	R
27	Malfunction Cause	SI	10890	R
28	On-Off	BI	10999	R
29	M - Airnet Address	AI	20010	R

30	M - High Pressure Retry Status	BI	20041	R
31	M - Low Pressure Retry Status	BI	20042	R
32	M - Discharge Pipe Retry Status	BI	20043	R
33	M - Overheating Standby Status	BI	20044	R
34	M - Compressor 1 Overcurrent Step Down Status	BI	20045	R
35	M - Compressor 2 Overcurrent Step Down Status	BI	20046	R
36	M - Inverter 1 Fin Step Down Status	BI	20047	R
37	M - Inverter 2 Fin Step Down Status	BI	20048	R
38	M - High Pressure Step Down Status	BI	20050	R
39	M - Low Pressure Step Down Status	BI	20051	R
40	M - Compressor 1 Discharge Step Down Status	BI	20052	R
41	M - Compressor 2 Discharge Step Down Status	BI	20053	R
42	M - Inverter 1 Standby Status	BI	20054	R
43	M - Inverter 2 Standby Status	BI	20055	R
44	M - Demand Step Down Status	BI	20056	R
45	M - Fan Step	AI	20057	R
46	M - Compressor 1 Inverter Status	BI	20058	R
47	M - Compressor 2 Inverter Status	BI	20059	R
48	M - Drain Pan Heater Status	BI	20060	R
49	M - Energy Cut Output Status	BI	20061	R
50	M - Four Way Valve Status	BI	20062	R
51	M - Oil Return 1 Status	BI	20063	R
52	M - Accumulator Oil Return Status	BI	20064	R
53	M - Oil Return 2 Status	BI	20065	R
54	M - Four Way Valve Heat Status	BI	20066	R
55	M - Crank Case Heater 1 Status	BI	20067	R
56	M - Crank Case Heater 2 Status	BI	20068	R
57	M - EV2 Opening	AI	20069	R
58	M - EV3 Opening	AI	20070	R
59	M - EV1 Opening	AI	20071	R
60	M - Horsepower	AI	20072	R
61	M - Inverter 1 Rotation Amount	AI	20073	R
62	M - Inverter 2 Rotation Amount	AI	20074	R
63	M - Fan 1 Rotation Amount	AI	20075	R
64	M - Fan 2 Rotation Amount	AI	20076	R
65	M - Error State	BI	20077	R
66	M - Module Address	AI	20089	R
67	M - Subcooling Heat Exchanger Gas Temperature	AI	21023	R
68	M - Compressor 1 Discharge Temperature	AI	21024	R
69	M - Compressor 2 Discharge Temperature	AI	21025	R
70	M - Compressor Surface Temperature	AI	21026	R

71	M - Accumulator Inlet Temperature	AI	21027	R
72	M - Heat Exchanger Temperature	AI	21028	R
73	M - Subcooling Heat Exchanger Liquid Temperature	AI	21029	R
74	M - Ambient Temperature	AI	21030	R
75	M - Heat Exchanger Liquid Temperature	AI	21031	R
76	M - Evaporation Temperature	AI	21032	R
77	M - Condensing Temperature	AI	21033	R
78	M - Inverter 1 Fin Temperature	AI	21034	R
79	M - Inverter 2 Fin Temperature	AI	21035	R
80	M - Compressor 1 Current	AI	21036	R
81	M - Compressor 2 Current	AI	21037	R
82	M - Inverter Fan Current	AI	21038	R

Sub Module 1 and Sub Module 2 points follow similar addressing as the Main unit shown. S1 values being with a 3 and have the same 4 trailing digits, S2 values being with a 4 and have the same 4 trailing digits

Outdoor Unit Points (REYQ-T)

#	Point Name	Object Type	Object ID	Read/Write
1	Airnet Address	AI	10010	R
2	System Horsepower	AI	10011	R
3	Target Evaporation Temperature	AI	10012	R
4	Target Condensing Temperature	AI	10013	R
5	Defrost Status	BI	10014	R
6	System Current	AI	10015	R
7	Operation Control Mode	AI	10016	R
8	Heating Status	BI	10018	R
9	Cooling Status	BI	10019	R
10	Oil Return Status	BI	10020	R
11	Startup Control Status	BI	10021	R
12	Thermostat ON Capacity	AI	10022	R
13	Back Up Operation Status	BI	10049	R
14	Thermostat ON Status	BI	10079	R
15	Restart Standby Status	BI	10080	R
16	VRV Type	SI	10091	R
17	Error Code	MI	10092	R
18	Outdoor Serial Number	SI	10093	R
19	Cool Heat Parallel Status	BI	10414	R
20	Demand State	BI	10415	R
21	Target Condensing Pressure PSI	AI	10882	R

22	Target Condensing Pressure MPa	AI	10883	R
23	Target Evaporation Pressure PSI	AI	10884	R
24	Target Evaporation Pressure MPa	AI	10885	R
25	Malfunction Cause	SI	10890	R
26	On-Off	BI	10999	R
27	M - Airnet Address	AI	20010	R
28	M - High Pressure Retry Status	BI	20041	R
29	M - Low Pressure Retry Status	BI	20042	R
30	M - Discharge Pipe Retry Status	BI	20043	R
31	M - Overheating Standby Status	BI	20044	R
32	M - Compressor 1 Overcurrent Step Down Status	BI	20045	R
33	M - Compressor 2 Overcurrent Step Down Status	BI	20046	R
34	M - Inverter 1 Fin Step Down Status	BI	20047	R
35	M - Inverter 2 Fin Step Down Status	BI	20048	R
36	M - High Pressure Step Down Status	BI	20050	R
37	M - Low Pressure Step Down Status	BI	20051	R
38	M - Compressor 1 Discharge Step Down Status	BI	20052	R
39	M - Compressor 2 Discharge Step Down Status	BI	20053	R
40	M - Inverter 1 Standby Status	BI	20054	R
41	M - Inverter 2 Standby Status	BI	20055	R
42	M - Demand Step Down Status	BI	20056	R
43	M - Fan Step	AI	20057	R
44	M - Compressor 1 Inverter Status	BI	20058	R
45	M - Compressor 2 Inverter Status	BI	20059	R
46	M - Drain Pan Heater Status	BI	20060	R
47	M - Energy Cut Output Status	BI	20061	R
48	M - Four Way Valve Status	BI	20062	R
49	M - Oil Return 1 Status	BI	20063	R
50	M - Oil Return 2 Status	BI	20065	R
51	M - Crank Case Heater 1 Status	BI	20067	R
52	M - Crank Case Heater 2 Status	BI	20068	R
53	M - EV2 Opening	AI	20069	R
54	M - EV3 Opening	AI	20070	R
55	M - EV1 Opening	AI	20071	R
56	M - Horsepower	AI	20072	R
57	M - Inverter 1 Rotation Amount	AI	20073	R
58	M - Inverter 2 Rotation Amount	AI	20074	R
59	M - Fan 1 Rotation Amount	AI	20075	R
60	M - Fan 2 Rotation Amount	AI	20076	R
61	M - Error State	BI	20077	R
62	M - Module Address	AI	20089	R

63	M - Four Way Valve Heat Exchanger Lower	BI	20440	R
64	M - Four Way Valve Heat Exchanger Upper	BI	20441	R
65	M - Solenoid Valve	BI	20442	R
66	M - EV4 Opening	AI	20446	R
67	M - EV5 Opening	AI	20447	R
68	M - EV6 Opening	AI	20448	R
69	M - Subcooling Heat Exchanger Gas Temperature	AI	21023	R
70	M - Compressor 1 Discharge Temperature	AI	21024	R
71	M - Compressor 2 Discharge Temperature	AI	21025	R
72	M - Compressor Surface Temperature	AI	21026	R
73	M - Heat Exchanger Temperature	AI	21028	R
74	M - Subcooling Heat Exchanger Liquid Temperature	AI	21029	R
75	M - Ambient Temperature	AI	21030	R
76	M - Heat Exchanger Liquid Temperature	AI	21031	R
77	M - Evaporation Temperature	AI	21032	R
78	M - Condensing Temperature	AI	21033	R
79	M - Inverter 1 Fin Temperature	AI	21034	R
80	M - Inverter 2 Fin Temperature	AI	21035	R
81	M - Compressor 1 Current	AI	21036	R
82	M - Compressor 2 Current	AI	21037	R
83	M - Inverter Fan Current	AI	21038	R
84	M - Suction Temperature	AI	21340	R
85	M - Heat Exchanger Gas Pipe Temperature Upper	AI	21464	R
86	M - Heat Exchanger Gas Pipe Temperature Lower	AI	21465	R
87	M - Receiver Inlet Temperature	AI	21467	R
88	M - Heat Exchanger Liquid Pipe Temperature Upper	AI	21468	R
89	M - Heat Exchanger Liquid Pipe Temperature Lower	AI	21469	R
90	M - Compressor Suction Pipe Temperature	AI	21475	R
91	M - Receiver Gas Purge Temperature	AI	21477	R

Sub Module 1 and Sub Module 2 points follow similar addressing as the Main unit shown. S1 values being with a 3 and have the same 4 trailing digits, S2 values being with a 4 and have the same 4 trailing digits

Outdoor Unit Points (RXTQ-T)

#	Point Name	Object Type	Object ID	Read/Write
1	Airnet Address	AI	10010	R
2	System Horsepower	AI	10011	R
3	Target Evaporation Temperature	AI	10012	R
4	Target Condensing Temperature	AI	10013	R
5	System Current	AI	10015	R

6	Operation Control Mode	AI	10016	R
7	Heating Status	BI	10018	R
8	Cooling Status	BI	10019	R
9	Back Up Operation Status	BI	10049	R
10	Thermostat ON Status	BI	10079	R
11	Restart Standby Status	BI	10080	R
12	VRV Type	SI	10091	R
13	Error Code	MI	10092	R
14	Outdoor Serial Number	SI	10093	R
15	Demand State	BI	10415	R
16	Target Condensing Pressure PSI	AI	10882	R
17	Target Condensing Pressure MPa	AI	10883	R
18	Target Evaporation Pressure PSI	AI	10884	R
19	Target Evaporation Pressure MPa	AI	10885	R
20	Malfunction Cause	SI	10890	R
21	On-Off	BI	10999	R
22	M - Airnet Address	AI	20010	R
23	M - Defrost Status	BI	20014	R
24	M - Oil Return Status	BI	20020	R
25	M - Ambient Temperature	AI	20030	R
26	M - Evaporation Temperature	AI	20032	R
27	M - Condensing Temperature	AI	20033	R
28	M - Inverter Fan Current	AI	20038	R
29	M - High Pressure Retry Status	BI	20041	R
30	M - Low Pressure Retry Status	BI	20042	R
31	M - Discharge Pipe Retry Status	BI	20043	R
32	M - High Pressure Step Down Status	BI	20050	R
33	M - Low Pressure Step Down Status	BI	20051	R
34	M - Demand Step Down Status	BI	20056	R
35	M - Fan Step	AI	20057	R
36	M - Compressor 1 Inverter Status	BI	20058	R
37	M - Energy Cut Output Status	BI	20061	R
38	M - Four Way Valve Status	BI	20062	R
39	M - Crank Case Heater 1 Status	BI	20067	R
40	M - Crank Case Heater 2 Status	BI	20068	R
41	M - EV2 Opening	AI	20069	R
42	M - EV1 Opening	AI	20071	R
43	M - Horsepower	AI	20072	R
44	M - Error State	BI	20077	R
45	M - Restart Standby Status	BI	20080	R
46	M - Module Address	AI	20089	R

47	M - Inverter Rotation Speed	AI	20325	R
48	M - Inverter Temperature	AI	20326	R
49	M - Inverter Current	AI	20327	R
50	M - CT1 Step Down Current	AI	20328	R
51	M - CT2 Step Down Current	AI	20329	R
52	M - Suction Temperature	AI	20340	R
53	M - Inverter Overcurrent Step Down Status	BI	20344	R
54	M - Inverter Fin Step Down Status	BI	20345	R
55	M - Inverter Discharge Step Down Status	BI	20348	R
56	M - Compressor 1 Step Down Discharge Status	BI	20350	R
57	M - Compressor 2 Step Down Discharge Status	BI	20351	R
58	M - Overcurrent Step Down 1 Status	BI	20352	R
59	M - Overcurrent Step Down 2 Status	BI	20353	R
60	M - Inverter Retry Status	BI	20354	R
61	M - Crank Case Heater 3 Status	BI	20359	R
62	M - Injection Status	BI	20360	R
63	M - Multi-Oil Status	BI	20361	R
64	M - Hot Gas Bypass Valve Status	BI	20363	R
65	M - Coil Temperature	AI	20365	R
66	M - Inverter Discharge Temperature	AI	20373	R
67	M - Discharge Temperature Step Down 1	AI	20374	R
68	M - Discharge Temperature Step Down 2	AI	20375	R
69	M - Receiver Entrance Temperature	AI	20376	R
70	M - Receiver Liquid Temperature	AI	20388	R
71	M - Subcooling Coil Exit Temperature	AI	20389	R
72	M - Soft Start Status	BI	20394	R
73	M - Compressor 3 Step Down Status	BI	20396	R
74	M - Compressor 2 Step Down Status	BI	20397	R

Sub Module 1 and Sub Module 2 points follow similar addressing as the Main unit shown. S1 values being with a 3 and have the same 4 trailing digits, S2 values being with a 4 and have the same 4 trailing digits

Outdoor Unit Points (RWEQ-T)

#	Point Name	Object Type	Object ID	Read/Write
1	Airnet Address	AI	10010	R
2	System Horsepower	AI	10011	R
3	Target Evaporation Temperature	AI	10012	R
4	Target Condensing Temperature	AI	10013	R
5	System Current	AI	10015	R

6	Operation Control Mode	AI	10016	R
7	Heating Status	BI	10018	R
8	Cooling Status	BI	10019	R
9	Thermostat ON Capacity	AI	10022	R
10	Back Up Operation Status	BI	10049	R
11	Thermostat ON Status	BI	10079	R
12	Restart Standby Status	BI	10080	R
13	VRV Type	SI	10091	R
14	Error Code	MI	10092	R
15	Outdoor Serial Number	SI	10093	R
16	Cool Heat Parallel Status	BI	10414	R
17	Fan Status	BI	10785	R
18	Target Condensing Pressure PSI	AI	10882	R
19	Target Condensing Pressure MPa	AI	10883	R
20	Target Evaporation Pressure PSI	AI	10884	R
21	Target Evaporation Pressure MPa	AI	10885	R
22	Malfunction Cause	SI	10890	R
23	On-Off	BI	10999	R
24	M - Airnet Address	AI	20010	R
25	M - Oil Return Status	BI	20020	R
26	M - Startup Control Status	BI	20021	R
27	M - Accumulator Inlet Temperature	AI	20027	R
28	M - Ambient Temperature	AI	20030	R
29	M - Evaporation Temperature	AI	20032	R
30	M - Condensing Temperature	AI	20033	R
31	M - High Pressure Retry Status	BI	20041	R
32	M - Low Pressure Retry Status	BI	20042	R
33	M - Discharge Pipe Retry Status	BI	20043	R
34	M - High Pressure Step Down Status	BI	20050	R
35	M - Low Pressure Step Down Status	BI	20051	R
36	M - Demand Step Down Status	BI	20056	R
37	M - Compressor 1 Inverter Status	BI	20058	R
38	M - Accumulator Oil Return Status	BI	20064	R
39	M - EV Purge Opening	AI	20069	R
40	M - EV Sub Cool Opening	AI	20070	R
41	M - EV Main Liquid Opening	AI	20071	R
42	M - Horsepower	AI	20072	R
43	M - Error State	BI	20077	R
44	M - Restart Standby Status	BI	20080	R
45	M - Module Address	AI	20089	R
46	M - Inverter Current	AI	20327	R

47	M - Inverter Overcurrent Step Down Status	BI	20344	R
48	M - Inverter Fin Step Down Status	BI	20345	R
49	M - Inverter Discharge Step Down Status	BI	20348	R
50	M - Hot Gas Bypass Valve Status	BI	20363	R
51	M - Inverter Cool Fan Status	BI	20704	R
52	M - Inverter Fin Temperature	AI	20715	R
53	M - Inverter Standby Status	BI	20743	R
54	M - Crank Case Heater Status	BI	20750	R
55	M - Four Way Valve Phe Status	BI	20751	R
56	M - Four Way Valve Dual PR Status	BI	20752	R
57	M - Liquid Oil Return Status	BI	20754	R
58	M - Main Liquid Status	BI	20755	R
59	M - Hot Gas Oil Return Status	BI	20756	R
60	M - Pump Operation Status	BI	20757	R
61	M - Gas Purge Status	BI	20760	R
62	M - Inverter Liquid Cooling Status	BI	20761	R
63	M - Compressor Discharge Temperature	AI	20766	R
64	M - Receiver SC Circuit Liquid Temperature	AI	20768	R
65	M - Water IN PHE Temperature	AI	20769	R
66	M - SC and Purge Gas Outlet Temperature	AI	20771	R
67	M - Gas PHE Water Temperature	AI	20772	R
68	M - Inverter Rotation Amount	AI	20775	R
69	M - SC PHE Liquid EVT Temperature	AI	20778	R
70	M - Compressor Body Temperature	AI	20779	R
71	M - Stop Valve Liquid Temperature	AI	20780	R
72	M - PHE Water Liquid Temperature	AI	20781	R
73	M - Inverter Gas Outlet Cool Temperature	AI	20783	R
74	M - Water Flow Status	AI	20784	R

Sub Module 1 and Sub Module 2 points follow similar addressing as the Main unit shown. S1 values being with a 3 and have the same 4 trailing digits, S2 values being with a 4 and have the same 4 trailing digits

Outdoor Unit Points (RWEYQ-PT)

#	Point Name	Object Type	Object ID	Read/Write
1	Airnet Address	AI	10010	R
2	System Horsepower	AI	10011	R
3	Target Evaporation Temperature	AI	10012	R
4	Target Condensing Temperature	AI	10013	R
5	System Current	AI	10015	R

6	Heating Status	BI	10018	R
7	Cooling Status	BI	10019	R
8	Back Up Operation Status	BI	10049	R
9	Thermostat ON Status	BI	10079	R
10	Restart Standby Status	BI	10080	R
11	VRV Type	SI	10091	R
12	Error Code	MI	10092	R
13	Outdoor Serial Number	SI	10093	R
14	Demand State	BI	10415	R
15	Malfunction Cause	SI	10890	R
16	On-Off	BI	10999	R
17	M - Airnet Address	AI	20010	R
18	M - Oil Return Status	BI	20020	R
19	M - Ambient Temperature	AI	20030	R
20	M - Evaporation Temperature	AI	20032	R
21	M - Condensing Temperature	AI	20033	R
22	M - High Pressure Retry Status	BI	20041	R
23	M - Low Pressure Retry Status	BI	20042	R
24	M - Discharge Pipe Retry Status	BI	20043	R
25	M - High Pressure Step Down Status	BI	20050	R
26	M - Low Pressure Step Down Status	BI	20051	R
27	M - Demand Step Down Status	BI	20056	R
28	M - Fan Step	AI	20057	R
29	M - Compressor 1 Inverter Status	BI	20058	R
30	M - Four Way Valve Status	BI	20062	R
31	M - Crank Case Heater 1 Status	BI	20067	R
32	M - EV3 Opening	AI	20070	R
33	M - EV1 Opening	AI	20071	R
34	M - Horsepower	AI	20072	R
35	M - Error State	BI	20077	R
36	M - Restart Standby Status	BI	20080	R
37	M - Module Address	AI	20089	R
38	M - Inverter Rotation Speed	AI	20325	R
39	M - Inverter Current	AI	20327	R
40	M - Suction Temperature	AI	20340	R
41	M - Inverter Overcurrent Step Down Status	BI	20344	R
42	M - Inverter Fin Step Down Status	BI	20345	R
43	M - Inverter Discharge Step Down Status	BI	20348	R
44	M - Inverter Retry Status	BI	20354	R
45	M - Hot Gas Bypass Valve Status	BI	20363	R
46	M - Coil Temperature	AI	20365	R

47	M - Inverter Discharge Temperature	AI	20373	R
48	M - Subcooling Coil Exit Temperature	AI	20389	R
49	M - Soft Start Status	BI	20394	R
50	M - Four Way Valve 2 Status	BI	20542	R
51	M - EV Liquid Temperature	AI	20562	R
52	M - Receiver Gas In Status	BI	20698	R
53	M - Oil Recovery Status	BI	20699	R
54	M - Receiver Gas Out Status	BI	20700	R
55	M - Unit Stop Liquid Pipe Close Status	BI	20701	R
56	M - Pump	BI	20703	R
57	M - Inverter Cool Fan Status	BI	20704	R
58	M - Inverter Fin Temperature	AI	20715	R

Sub Module 1 and Sub Module 2 points follow similar addressing as the Main unit shown. S1 values being with a 3 and have the same 4 trailing digits, S2 values being with a 4 and have the same 4 trailing digits

Outdoor Unit Points (REYQ-P)

#	Point Name	Object Type	Object ID	Read/Write
1	Airnet Address	AI	10010	R
2	System Horsepower	AI	10011	R
3	Target Evaporation Temperature	AI	10012	R
4	Target Condensing Temperature	AI	10013	R
5	System Current	AI	10015	R
6	Heating Status	BI	10018	R
7	Cooling Status	BI	10019	R
8	Back Up Operation Status	BI	10049	R
9	Thermostat ON Status	BI	10079	R
10	Restart Standby Status	BI	10080	R
11	VRV Type	SI	10091	R
12	Error Code	MI	10092	R
13	Outdoor Serial Number	SI	10093	R
14	Cool Heat Parallel Status	BI	10414	R
15	Demand State	BI	10415	R
16	Target Condensing Pressure PSI	AI	10882	R
17	Target Condensing Pressure MPa	AI	10883	R
18	Target Evaporation Pressure PSI	AI	10884	R
19	Target Evaporation Pressure MPa	AI	10885	R
20	Malfunction Cause	SI	10890	R
21	On-Off	BI	10999	R

22	M - Airnet Address	AI	20010	R
23	M - Defrost Status	BI	20014	R
24	M - Oil Return Status	BI	20020	R
25	M - Subcooling Heat Exhachanger Gas Temperature	AI	20023	R
26	M - Heat Exchanger Temperature	AI	20028	R
27	M - Subcooling Heat Exhachanger Liquid Temperature	AI	20029	R
28	M - Ambient Temperature	AI	20030	R
29	M - Heat Exchanger Liquid Temperature	AI	20031	R
30	M - Evaporation Temperature	AI	20032	R
31	M - Condensing Temperature	AI	20033	R
32	M - Inverter Fan Current	AI	20038	R
33	M - High Pressure Retry Status	BI	20041	R
34	M - Low Pressure Retry Status	BI	20042	R
35	M - Discharge Pipe Retry Status	BI	20043	R
36	M - High Pressure Step Down Status	BI	20050	R
37	M - Low Pressure Step Down Status	BI	20051	R
38	M - Demand Step Down Status	BI	20056	R
39	M - Fan Step	AI	20057	R
40	M - Compressor 1 Inverter Status	BI	20058	R
41	M - Energy Cut Output Status	BI	20061	R
42	M - Four Way Valve Status	BI	20062	R
43	M - Crank Case Heater 1 Status	BI	20067	R
44	M - Crank Case Heater 2 Status	BI	20068	R
45	M - EV2 Opening	AI	20069	R
46	M - EV1 Opening	AI	20071	R
47	M - Horsepower	AI	20072	R
48	M - Error State	BI	20077	R
49	M - Restart Standby Status	BI	20080	R
50	M - Module Address	AI	20089	R
51	M - Inverter Rotation Speed	AI	20325	R
52	M - Inverter Temperature	AI	20326	R
53	M - Inverter Current	AI	20327	R
54	M - CT1 Step Down Current	AI	20328	R
55	M - CT2 Step Down Current	AI	20329	R
56	M - Suction Temperature	AI	20340	R
57	M - Inverter Overcurrent Step Down Status	BI	20344	R
58	M - Inverter Fin Step Down Status	BI	20345	R
59	M - Inverter Discharge Step Down Status	BI	20348	R
60	M - Compressor 1 Step Down Discharge Status	BI	20350	R
61	M - Compressor 2 Step Down Discharge Status	BI	20351	R
62	M - Overcurrent Step Down 1 Status	BI	20352	R

63	M - Overcurrent Step Down 2 Status	BI	20353	R
64	M - Inverter Retry Status	BI	20354	R
65	M - Crank Case Heater 3 Status	BI	20359	R
66	M - Hot Gas Bypass Valve Status	BI	20363	R
67	M - Compressor 1 Discharge Temperature	AI	20373	R
68	M - Compressor 2 Discharge Temperature	AI	20374	R
69	M - Compressor 3 Discharge Temperature	AI	20375	R
70	M - Soft Start Status	BI	20394	R
71	M - Compressor 3 Step Down Status	BI	20396	R
72	M - Compressor 2 Step Down Status	BI	20397	R
73	M - Four Way Valve 2 Status	BI	20542	R
74	M - Refrigeration Liquid Status	BI	20544	R
75	M - Refrigeration Gas Purge Status	BI	20545	R
76	M - Refrigeration Discharging Status	BI	20548	R
77	M - Operation Output	BI	20549	R
78	M - Refrigeration Discharge Status	BI	20550	R
79	M - EV Bypass Status	BI	20551	R
80	M - EV Opening	AI	20553	R
81	M - EV Liquid Temperature	AI	20562	R
82	M - Heat Exchanger Gas Temperature	AI	20566	R

Sub Module 1 and Sub Module 2 points follow similar addressing as the Main unit shown. S1 values being with a 3 and have the same 4 trailing digits, S2 values being with a 4 and have the same 4 trailing digits

Outdoor Unit Points (REYQ-U)

#	Point Name	Object Type	Object ID	Read/Write
1	Airnet Address	AI	10010	R
2	System Horsepower	AI	10011	R
3	Target Evaporation Temperature	AI	10012	R
4	Target Condensing Temperature	AI	10013	R
5	Defrost Status	BI	10014	R
6	System Current	AI	10015	R
7	Operation Control Mode	AI	10016	R
8	Heating Status	BI	10018	R
9	Cooling Status	BI	10019	R
10	Oil Return Status	BI	10020	R
11	Startup Control Status	BI	10021	R
12	Thermostat ON Capacity	AI	10022	R
13	Back Up Operation Status	BI	10049	R

14	Thermostat ON Status	BI	10079	R
15	Restart Standby Status	BI	10080	R
16	VRV Type	SI	10091	R
17	Error Code	MI	10092	R
18	Outdoor Serial Number	SI	10093	R
19	Cool Heat Parallel Status	BI	10414	R
20	Demand State	BI	10415	R
21	Outdoor Unit Power Consumption	AI	10802	R
22	Outdoor Unit Cooling Capacity	AI	10803	R
23	Outdoor Unit Heating Capacity	AI	10804	R
24	Target Condensing Pressure PSI	AI	10882	R
25	Target Condensing Pressure MPa	AI	10883	R
26	Target Evaporation Pressure PSI	AI	10884	R
27	Target Evaporation Pressure MPa	AI	10885	R
28	Malfunction Cause	SI	10890	R
29	On-Off	BI	10999	R
30	M - Airnet Address	AI	20010	R
31	M - High Pressure Retry Status	BI	20041	R
32	M - Low Pressure Retry Status	BI	20042	R
33	M - Discharge Pipe Retry Status	BI	20043	R
34	M - Overheating Standby Status	BI	20044	R
35	M - Compressor 1 Overcurrent Step Down Status	BI	20045	R
36	M - Compressor 2 Overcurrent Step Down Status	BI	20046	R
37	M - Inverter 1 Fin Step Down Status	BI	20047	R
38	M - Inverter 2 Fin Step Down Status	BI	20048	R
39	M - High Pressure Step Down Status	BI	20050	R
40	M - Low Pressure Step Down Status	BI	20051	R
41	M - Compressor 1 Discharge Step Down Status	BI	20052	R
42	M - Compressor 2 Discharge Step Down Status	BI	20053	R
43	M - Inverter 1 Standby Status	BI	20054	R
44	M - Inverter 2 Standby Status	BI	20055	R
45	M - Demand Step Down Status	BI	20056	R
46	M - Fan Step	AI	20057	R
47	M - Compressor 1 Inverter Status	BI	20058	R
48	M - Compressor 2 Inverter Status	BI	20059	R
49	M - Drain Pan Heater Status	BI	20060	R
50	M - Energy Cut Output Status	BI	20061	R
51	M - Four Way Valve Status	BI	20062	R
52	M - Oil Return 1 Status	BI	20063	R
53	M - Oil Return 2 Status	BI	20065	R
54	M - Crank Case Heater 1 Status	BI	20067	R

55	M - Crank Case Heater 2 Status	BI	20068	R
56	M - EV2 Opening	AI	20069	R
57	M - EV3 Opening	AI	20070	R
58	M - EV1 Opening	AI	20071	R
59	M - Horsepower	AI	20072	R
60	M - Inverter 1 Rotation Amount	AI	20073	R
61	M - Inverter 2 Rotation Amount	AI	20074	R
62	M - Fan 1 Rotation Amount	AI	20075	R
63	M - Fan 2 Rotation Amount	AI	20076	R
64	M - Error State	BI	20077	R
65	M - Module Address	AI	20089	R
66	M - Four Way Valve Heat Exchanger Lower	BI	20440	R
67	M - Four Way Valve Heat Exchanger Upper	BI	20441	R
68	M - Solenoid Valve	BI	20442	R
69	M - EV4 Opening	AI	20446	R
70	M - EV5 Opening	AI	20447	R
71	M - EV6 Opening	AI	20448	R
72	M - Subcooling Heat Exchanger Gas Temperature	AI	21023	R
73	M - Compressor 1 Discharge Temperature	AI	21024	R
74	M - Compressor 2 Discharge Temperature	AI	21025	R
75	M - Compressor Surface Temperature	AI	21026	R
76	M - Heat Exchanger Temperature	AI	21028	R
77	M - Subcooling Heat Exchanger Liquid Temperature	AI	21029	R
78	M - Ambient Temperature	AI	21030	R
79	M - Heat Exchanger Liquid Temperature	AI	21031	R
80	M - Evaporation Temperature	AI	21032	R
81	M - Condensing Temperature	AI	21033	R
82	M - Inverter 1 Fin Temperature	AI	21034	R
83	M - Inverter 2 Fin Temperature	AI	21035	R
84	M - Compressor 1 Current	AI	21036	R
85	M - Compressor 2 Current	AI	21037	R
86	M - Inverter Fan Current	AI	21038	R
87	M - Suction Temperature	AI	21340	R
88	M - Heat Exchanger Gas Pipe Temperature Upper	AI	21464	R
89	M - Heat Exchanger Gas Pipe Temperature Lower	AI	21465	R
90	M - Receiver Inlet Temperature	AI	21467	R
91	M - Heat Exchanger Liquid Pipe Temperature Upper	AI	21468	R
92	M - Heat Exchanger Liquid Pipe Temperature Lower	AI	21469	R
93	M - Compressor Suction Pipe Temperature	AI	21475	R
94	M - Receiver Gas Purge Temperature	AI	21477	R

Sub Module 1 and Sub Module 2 points follow similar addressing as the Main unit shown. S1 values being with a 3 and have the same 4 trailing digits, S2 values being with a 4 and have the same 4 trailing digits

Outdoor Unit Points (RXYQ-P)

#	Point Name	Object Type	Object ID	Read/Write
1	Airnet Address	AI	10010	R
2	System Horsepower	AI	10011	R
3	Target Evaporation Temperature	AI	10012	R
4	Target Condensing Temperature	AI	10013	R
5	System Current	AI	10015	R
6	Operation Control Mode	AI	10016	R
7	Heating Status	BI	10018	R
8	Cooling Status	BI	10019	R
9	Thermostat On Capacity	AI	10022	R
10	Back Up Operation Status	BI	10049	R
11	Thermostat ON Status	BI	10079	R
12	Restart Standby Status	BI	10080	R
13	VRV Type	SI	10091	R
14	Error Code	MI	10092	R
15	Outdoor Serial Number	SI	10093	R
16	Demand State	BI	10415	R
17	Target Condensing Pressure PSI	AI	10882	R
18	Target Condensing Pressure MPa	AI	10883	R
19	Target Evaporation Pressure PSI	AI	10884	R
20	Target Evaporation Pressure MPa	AI	10885	R
21	Malfunction Cause	SI	10890	R
22	On-Off	BI	10999	R
23	M - Airnet Address	AI	20010	R
24	M - Defrost Status	BI	20014	R
25	M - Oil Return Status	BI	20020	R
26	M - Ambient Temperature	AI	20030	R
27	M - Evaporation Temperature	AI	20032	R
28	M - Condensing Temperature	AI	20033	R
29	M - Inverter Fan Current	AI	20038	R
30	M - High Pressure Retry Status	BI	20041	R
31	M - Low Pressure Retry Status	BI	20042	R
32	M - Discharge Pipe Retry Status	BI	20043	R
33	M - High Pressure Step Down Status	BI	20050	R

34	M - Low Pressure Step Down Status	BI	20051	R
35	M - Demand Step Down Status	BI	20056	R
36	M - Fan Step	AI	20057	R
37	M - Compressor 1 Inverter Status	BI	20058	R
38	M - Energy Cut Output Status	BI	20061	R
39	M - Four Way Valve Status	BI	20062	R
40	M - Crank Case Heater 1 Status	BI	20067	R
41	M - Crank Case Heater 2 Status	BI	20068	R
42	M - EV2 Opening	AI	20069	R
43	M - EV1 Opening	AI	20071	R
44	M - Horsepower	AI	20072	R
45	M - Error State	BI	20077	R
46	M - Restart Standby Status	BI	20080	R
47	M - Module Address	AI	20089	R
48	M - Inverter Rotation Speed	AI	20325	R
49	M - Inverter Temperature	AI	20326	R
50	M - Inverter Current	AI	20327	R
51	M - CT1 Step Down Current	AI	20328	R
52	M - CT2 Step Down Current	AI	20329	R
53	M - Suction Temperature	AI	20340	R
54	M - Inverter Overcurrent Step Down Status	BI	20344	R
55	M - Inverter Fin Step Down Status	BI	20345	R
56	M - Inverter Discharge Step Down Status	BI	20348	R
57	M - Compressor 1 Step Down Discharge Status	BI	20350	R
58	M - Compressor 2 Step Down Discharge Status	BI	20351	R
59	M - Overcurrent Step Down 1 Status	BI	20352	R
60	M - Overcurrent Step Down 2 Status	BI	20353	R
61	M - Inverter Retry Status	BI	20354	R
62	M - Crank Case Heater 3 Status	BI	20359	R
63	M - Injection Status	BI	20360	R
64	M - Multi-Oil Status	BI	20361	R
65	M - Hot Gas Bypass Valve Status	BI	20363	R
66	M - Coil Temperature	AI	20365	R
67	M - Inverter Discharge Temperature	AI	20373	R
68	M - Discharge Temperature Step Down 1	AI	20374	R
69	M - Discharge Temperature Step Down 2	AI	20375	R
70	M - Receiver Entrance Temperature	AI	20376	R
71	M - Receiver Liquid Temperature	AI	20388	R
72	M - Subcooling Coil Exit Temperature	AI	20389	R
73	M - Soft Start Status	BI	20394	R
74	M - Compressor 3 Step Down Status	BI	20396	R

75	M - Compressor 2 Step Down Status	BI	20397	R
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Sub Module 1 and Sub Module 2 points follow similar addressing as the Main unit shown. S1 values being with a 3 and have the same 4 trailing digits, S2 values being with a 4 and have the same 4 trailing digits

Outdoor Unit Points (RXYMQ)

#	Point Name	Object Type	Object ID	Read/Write
1	Airnet Address	AI	10010	R
2	System Horsepower	AI	10011	R
3	Target Evaporation Temperature	AI	10012	R
4	Target Condensing Temperature	AI	10013	R
5	System Current	AI	10015	R
6	Operation Control Mode	AI	10016	R
7	Heating Status	BI	10018	R
8	Cooling Status	BI	10019	R
9	Thermostat ON Capacity	AI	10022	R
10	Back Up Operation Status	BI	10049	R
11	Thermostat ON Status	BI	10079	R
12	Restart Standby Status	BI	10080	R
13	VRV Type	SI	10091	R
14	Error Code	MI	10092	R
15	Outdoor Serial Number	SI	10093	R
16	Demand State	BI	10415	R
17	Target Condensing Pressure PSI	AI	10882	R
18	Target Condensing Pressure MPa	AI	10883	R
19	Target Evaporation Pressure PSI	AI	10884	R
20	Target Evaporation Pressure MPa	AI	10885	R
21	Malfunction Cause	SI	10890	R
22	On-Off	BI	10999	R
23	M - Airnet Address	AI	20010	R
24	M - Defrost Status	BI	20014	R
25	M - Oil Return Status	BI	20020	R
26	M - Ambient Temperature	AI	20030	R
27	M - Evaporation Temperature	AI	20032	R
28	M - Condensing Temperature	AI	20033	R
29	M - Inverter Fan Current	AI	20038	R
30	M - High Pressure Retry Status	BI	20041	R
31	M - Low Pressure Retry Status	BI	20042	R
32	M - Discharge Pipe Retry Status	BI	20043	R

33	M - High Pressure Step Down Status	BI	20050	R
34	M - Low Pressure Step Down Status	BI	20051	R
35	M - Demand Step Down Status	BI	20056	R
36	M - Fan Step	AI	20057	R
37	M - Compressor 1 Inverter Status	BI	20058	R
38	M - Energy Cut Output Status	BI	20061	R
39	M - Four Way Valve Status	BI	20062	R
40	M - Crank Case Heater 1 Status	BI	20067	R
41	M - Crank Case Heater 2 Status	BI	20068	R
42	M - EV2 Opening	AI	20069	R
43	M - EV1 Opening	AI	20071	R
44	M - Horsepower	AI	20072	R
45	M - Error State	BI	20077	R
46	M - Restart Standby Status	BI	20080	R
47	M - Module Address	AI	20089	R
48	M - Inverter Rotation Speed	AI	20325	R
49	M - Inverter Temperature	AI	20326	R
50	M - Inverter Current	AI	20327	R
51	M - CT1 Step Down Current	AI	20328	R
52	M - CT2 Step Down Current	AI	20329	R
53	M - Suction Temperature	AI	20340	R
54	M - Inverter Overcurrent Step Down Status	BI	20344	R
55	M - Inverter Fin Step Down Status	BI	20345	R
56	M - Inverter Discharge Step Down Status	BI	20348	R
57	M - Compressor 1 Step Down Discharge Status	BI	20350	R
58	M - Compressor 2 Step Down Discharge Status	BI	20351	R
59	M - Overcurrent Step Down 1 Status	BI	20352	R
60	M - Overcurrent Step Down 2 Status	BI	20353	R
61	M - Inverter Retry Status	BI	20354	R
62	M - Crank Case Heater 3 Status	BI	20359	R
63	M - Injection Status	BI	20360	R
64	M - Multi-Oil Status	BI	20361	R
65	M - Hot Gas Bypass Valve Status	BI	20363	R
66	M - Coil Temperature	AI	20365	R
67	M - Inverter Discharge Temperature	AI	20373	R
68	M - Discharge Temperature Step Down 1	AI	20374	R
69	M - Discharge Temperature Step Down 2	AI	20375	R
70	M - Receiver Entrance Temperature	AI	20376	R
71	M - Receiver Liquid Temperature	AI	20388	R
72	M - Subcooling Coil Exit Temperature	AI	20389	R
73	M - Soft Start Status	BI	20394	R

74	M - Compressor 3 Step Down Status	BI	20396	R
75	M - Compressor 2 Step Down Status	BI	20397	R

Sub Module 1 and Sub Module 2 points follow similar addressing as the Main unit shown. S1 values being with a 3 and have the same 4 trailing digits, S2 values being with a 4 and have the same 4 trailing digits



Contact for Questions

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