

Viconics Room Controllers

TRCn500nnnn-VC BACnet Integration Guide

Firmware Revision 2.0

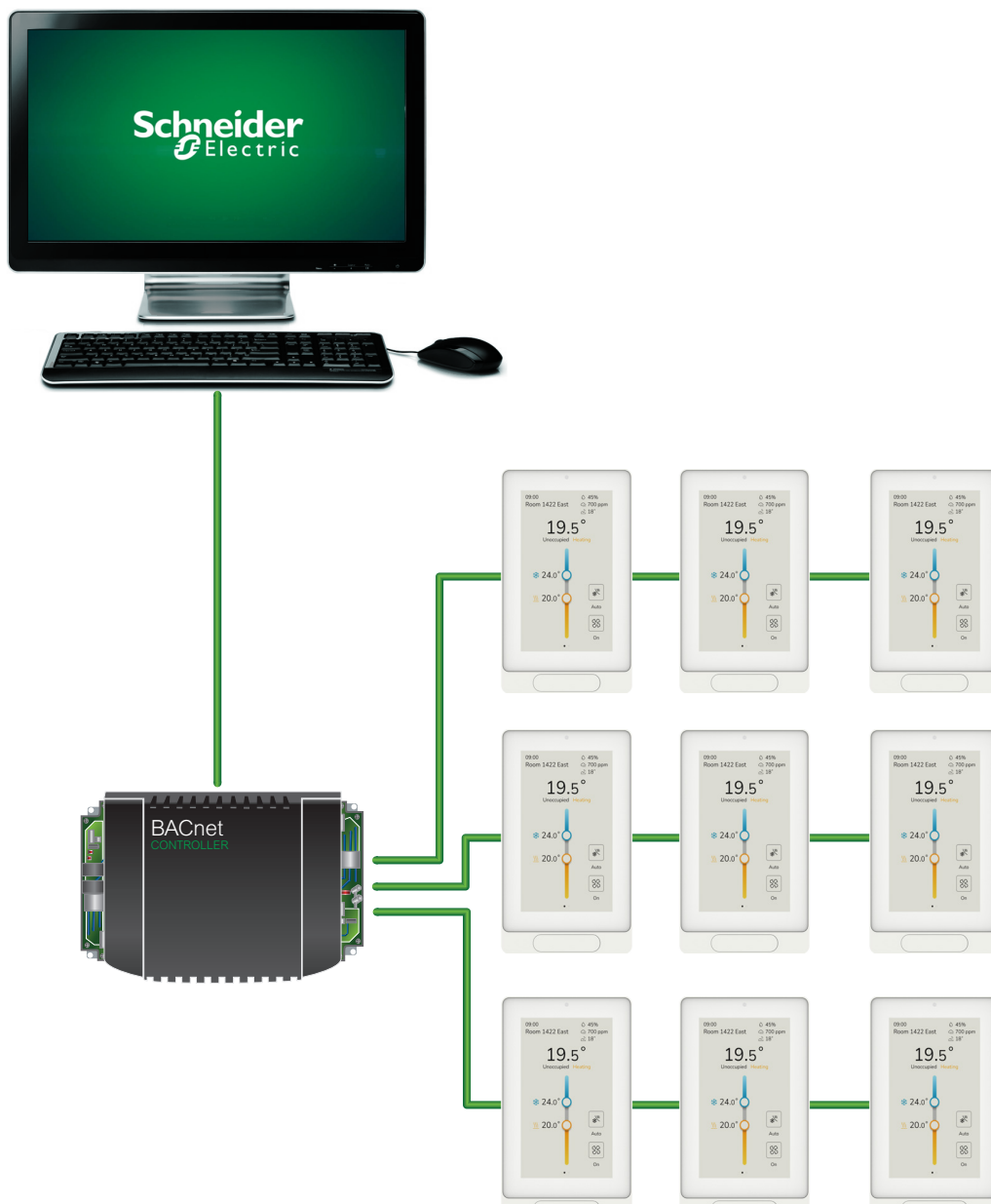


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Compatibility Specifications

Note: This document contains BACnet compatibility specifications of the Viconics Technologies TRCn500nnnn-VC Room Controllers and follows the BACnet PICS format. Objects common to all three models appear in one table, whereas objects which are model specific appear in separate tables.

Supported BACnet® Services: The BACnet® communicating controller meets all requirements for designation as an Application Specific Controller (B-ASC). The BACnet controller supports the following BACnet Interoperability Building Blocks (BIBBs).

Note: The controller does not support segmented requests or responses

Application Service	Designation
Data Sharing-COV-B	DS-COV-B
Data Sharing – Read Property - B	DS-RP-B
Data Sharing – Read Property Multiple - B	DS-RPM-B
Data Sharing – Write Property - B	DS-WP-B
Data Sharing - Write Property Multiple Service - B	DS-WPM-B
Device Management - Time Synchronization - B	DM-TS-B
Device Management - Device Communication Control - B	DM-DCC-B
Device Management – Dynamic Device Binding - B	DM-DDB-B
Device Management – Dynamic Object Binding - B	DM-DOB-B
Scheduling-Internal-B	SCHED-I-B

Object Name	Type and Instance	Object Property	Controller Parameter
TRCn500nnnn-VC (all models)	Device	Object_Identifier Property 75 (R,W)	Unique ID number of a device on a network
		Object_Name Property 77 (R,W)	Unique name of a device on a network
		Model Name Property 70 (R)	Controller model number
		Firmware Revision Property 44 (R)	Current BACnet® firmware revision used by controller
		Protocol Version Property 98 (R)	Current BACnet® firmware protocol version Default is Version 1
		Protocol Revision Property 139 (R)	Current BACnet® firmware protocol revision Default is Version 2
		Max ADPU Length Property 62 (R)	Maximum ADPU Length accepted Default is 480
		ADPU Timeout Property 10 (R)	ADPU timeout value Default is 3000 ms
		Application-Software-Version Property 12 (R)	Controller base application software version Default is based on current released version
		Max_Master (R,W)	Maximum master devices allowed to be part of network. 0 to 127, default is 127
		Description Property 28 (R,W)	String of printable characters (Same as “Long Screen Message” CSV2)
		Location Property 58 (R,W)	String of printable characters (Same as “Short Screen Message” CSV1)
		Local Date Property 56 (R)	Indicates date to best of device knowledge
		Local Time Property 57 (R)	Indicated time of day best of the device knowledge

Object Properties

NOTES for BACnet Priorities:

- 1-3: Written in eeprom memory, the value cannot be changed at the thermostat and will remain after a power-cycle. To release it, do a "Restore Factory default" or from BACnet at same priority level.
Usage: System configuration parameters that should not be changed.
- 4-16: Written in ram memory, the values are lost after a power-cycle.
Usage: Active writes from LUA script and/or from a BMS.
- 17: Relinquish default, the values can be changed at the thermostat and will remain in the thermostat after a power-cycle.
Usage: Temperature setpoints, fan-mode, system-mode, etc.

Analog Objects

Object Type Read/Write Settings			Object Property	Controller Parameter
Input AI	Output AO	Values AV		
Read Only	Read Only	Read Only	Event State Property 36	Indicates if object has an active event state associated with it
Read Only	Read Only	Read Only	Object Identifier Property 75	Unique ID number of an object on a network
Read Only	Read Only	Read Only	Object Name Property 77	Unique name of an object on a network
Read Only	Read Only	Read Only	Object Type Property 79	Indicates membership in a particular object type class
Read / Write	Read / Write	Read / Write	Out of Service Property 81	Indicates whether (TRUE/FALSE) the physical input object represents is not in service
Read / Write*	Read / Write	Read / Write	Present Value Property 85	Contains values of all properties specified
N/A	Read Only	Read Only	Priority Array Property 87	Read-only array of prioritized values
Read Only	Read Only	Read Only	Reliability Property 103	Indicates if Present_Value is "reliable"
N/A	Read Only	Read / Write †	Relinquish Default Property 104	Default value used for Present_Value when values in Priority_Array have a NULL value
Read Only	Read Only	Read Only	Status Flags Property 111	Represents flags that indicate general health of life safety point object
Read Only	Read Only	Read Only	Units Property 177	Indicates measurement units of Present_Value
N/A	Read / Write	Read / Write	Hight Limit Property 1101	Specifies a limit Present_Value must exceed before an event is generated
N/A	Read / Write	Read / Write	Low Limit Property 1100	Specifies a limit Present_Value must fall below before an event is generated

N/A = Not Applicable, property not used for objects of that type

* The Present_Value is only writeable when Out_Of_Service is TRUE.

† Relinquish default, the values can be changed at the thermostat and will remain in the thermostat after a power-cycle. Usage: Temperature setpoints, fan-mode, system-mode, etc.

Binary Objects

Object Type Read/Write Settings			Object Property	Controller Parameter
Input BI	Output BO	Values BV		
Read Only	Read Only	Read Only	Active Text Property 4	Characterizes intended effect of the ACTIVE state of Present_Value property
Read Only	Read Only	Read Only	Event State Property 36	Indicates if object has an active event state associated with it
Read Only	Read Only	Read Only	Inactive Text Property 46	Characterizes intended effect of INACTIVE state of Present_Value property
Read Only	Read Only	Read Only	Object Identifier Property 75	Unique ID number of an object on a network
Read Only	Read Only	Read Only	Object Name Property 77	Unique name of an object on a network
Read Only	Read Only	Read Only	Object Type Property 79	Indicates membership in a particular object type class
Read / Write	Read / Write	Read / Write	Out of Service Property 81	Indicates whether (TRUE/FALSE) physical input object represents is not in service
Read Only	Read Only	N/A	Polarity Property 84	Indicates relationship between physical state of input and Present_Value
Read / Write	Read / Write	Read / Write	Present Value Property 85	Contains values of all properties specified
Read Only	Read Only	Read Only	Priority Array Property 87	Read-only array of prioritized values
N/A	Read Only	Read / Write	Relinquish Default Property 104	Default value to be used for Present Value when values in Priority_Array have a NULL value
Read Only	Read Only	Read Only	Status Flags Property 111	Represents flags that indicate general health of life safety point object

N/A = Not Applicable, property not used for objects of that type

NOTES for BACnet Priorities:

- 1-3: Written in eeprom memory, the value cannot be changed at the thermostat and will remain after a power-cycle. To release it, do a "Restore Factory default" or from BACnet at same priority level.
Usage: System configuration parameters that should not be changed.
- 4-16: Written in ram memory, the values are lost after a power-cycle.
Usage: Active writes from LUA script and/or from a BMS.
- 17: Relinquish default, the values can be changed at the thermostat and will remain in the thermostat after a power-cycle.
Usage: Temperature setpoints, fan-mode, system-mode, etc.

CAL Objects

Read/Write	Object Property	Controller Parameter
Read / Write	Date List Property 23	List of calender entries.
Read Only	Object Identifier Property 75	Unique ID number of an object on a network
Read Only	Object Name Property 77	Unique name of an object on a network
Read Only	Object Type Property 79	Indicates membership in a particular object type class
Read Only	Present Value Property 85	This property is TRUE when current date matches an entry.

CSV Objects

Read/Write	Object Property	Controller Parameter
Read Only	Event State Property 36	Indicates object has an active event state associated with it
Read Only	Object Identifier Property 75	Unique ID number of an object on a network
Read Only	Object Name Property 77	Unique name of an object on a network
Read Only	Object Type Property 79	Indicates membership in a particular object type class
Read / Write	Present Value Property 85	Contains values of all properties specified
Read Only	Status Flags Property 111	Represents flags that indicate general health of life safety point object

File Objects

Read/Write	Object Property	Controller Parameter
Read Only	Archive Property 13	Set to FALSE when the Modification_Date property changes for any reason. An archiving process to set the value of this property to TRUE when it completes.
Read Only	File Access Method Property 41	Indicates the type(s) of file access supported for this object. Supported: "1: Stream Access".
Read / Write	File Size Property 42	Indicates the size of the file data in octets. Writing a value of 0 erases file data contents.
Read Only	File Type Property 43	Identifies the intended use of this file
Read Only	Modification Date Property 71	Indicates the last time the underlying file data or File_Size of this object was modified
Read Only	Object Identifier Property 75	Unique ID number of an object on a network
Read Only	Object Name Property 77	Unique name of an object on a network
Read Only	Object Type Property 79	File type object
Read Only	Read Only Property 99	Whether FALSE or TRUE the file data may be changed through the use of the AtomicWriteFile service
Read Only	Profile Name Property 168	Name of an object profile to which this object conforms

Multi-State Objects

Object Type Read/Write Settings		Object Property	Controller Parameter
Input MSI	Values MV		
Read Only	Read Only	Event State Property 36	Indicates if object has an active event state associated with it
Read Only	Read Only	Number of States Property 74	Defines number of states Present_Value may have
Read Only	Read Only	Object Identifier Property 75	Unique ID number of an object on a network
Read Only	Read Only	Object Name Property 77	Unique name of an object on a network
Read Only	Read Only	Object Type Property 79	Indicates membership in a particular object type class
Read / Write	Read / Write	Out of Service Property 81	Indicates whether (TRUE/FALSE) physical input object represents is not in service

Object Type Read/Write Settings		Object Property	Controller Parameter
Input MSI	Values MV		
Read / Write*	Read / Write	Present Value Property 85	Contains values of all properties specified
N/A	Read Only	Priority Array Property 87	Indicates relationship between physical state of input and Present_Value
N/A	Read / Write	Relinquish Default Property 104	Default value used for Present_Value when values in Priority_Array have a NULL value
Read Only	Read Only	State Text Property 110	Represents descriptions of all possible states of Present_Value
Read Only	Read Only	Status Flags Property 111	Represents flags that indicate general health of life safety point object

N/A = Not Applicable, property not used for objects of that type

* The Present_Value is only writeable when Out_Of_Service is TRUE.

PG Objects

Read/Write	Object Property	Controller Parameter
Read Only	Description Property 28	String of printable characters whose content is not restricted. Contains up to 480 bytes of the LUA program script.
Read Only	Description Of Halt Property 29	Describes the reason why a program has been halted Text is also displayed in the HMI debug log
Read Only	Instance Of Property 48	Local name of the application program being executed by this process
Read Only	Object Identifier Property 75	Unique ID number of an object on a network
Read Only	Object Name Property 77	Unique name of an object on a network
Read Only	Object Type Property 79	Indicates membership in a particular object type class
Read Only	Out Of Service Property 81	Indicates whether (TRUE/FALSE) the process this object represents is not in service
Write Only	Program Change Property 90	Used to request changes to the operating state of the program. Writing to property affects all 10 PG objects
Read Only	Program State Property 92	Current logical state of the PG objects executing application programs
Read Only	Reason For Halt Property 100	If program halts, this property reflects the reason for halt
Read Only	Status Flags Property 111	Represents flags that indicate general health of life safety point object

SCH Objects

Read/Write	Object Property	Controller Parameter
Read Only	Effective Period Property 32	Range of dates within which the Schedule object is active. All dates are in range, so always Effective
Read / Write	Exception Schedule Property 38	Sequence of schedule actions that takes precedence over normal behavior on a specific day or days. By default, this property refers to the calendar
Read Only	Object Identifier Property 75	Unique ID number of an object on a network
Read Only	Object Name Property 77	Unique name of an object on a network
Read Only	Object Type Property 79	Indicates membership in a particular object type class

Read/Write	Object Property	Controller Parameter
Read / Write	Present Value Property 85	Contains the current value of the schedule (0:unoccupied, 1:occupied). Only writeable when Out Of Service is TRUE .
Read / Write	Out Of Service Property 81	Indicates whether (TRUE/FALSE) the internal calculations of the schedule object are used to determine the value of the Present Value property
Read Only	Reliability Property 103	Indicates if Present Value is "reliable"
Read Only	Status Flags Property 111	Represents flags that indicate general health of life safety point object
Read / Write	Weekly Schedule Property 123	7 elements that describe the sequence of schedule actions for each day of the week
Read Only	Schedule Default Property 174	Default value to be used when no other scheduled value is in effect. Always Unoccupied

Analog Objects

Analog Input Properties

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
UI1 Raw Value	AI	1	0	0 to 4095	Inputs	All
UI2 Raw Value	AI	2	0	0 to 4095	Inputs	All
UI3 Raw Value	AI	3	0	0 to 4095	Inputs	All
UI4 Raw Value	AI	4	0	0 to 4095	Inputs	All
UI5 Raw Value	AI	5	0	0 to 4095	Inputs	All
UI6 Raw Value	AI	6	0	0 to 4095	Inputs	All
UI7 Raw Value	AI	7	0	0 to 4095	Inputs	All
UI8 Raw Value	AI	8	0	0 to 4095	Inputs	All
Thermistor 1	AI	11	0 °F (0 °C)	-40 to 180 °F (-40 to 82 °C)	N/A	All
Thermistor 2	AI	12	0 °F (0 °C)	-40 to 180 °F (-40 to 82 °C)	N/A	All
Thermistor 3	AI	13	0 °F (0 °C)	-40 to 180 °F (-40 to 82 °C)	N/A	All
Thermistor 4	AI	14	0 °F (0 °C)	-40 to 180 °F (-40 to 82 °C)	N/A	All
Thermistor 5	AI	15	0 °F (0 °C)	-40 to 180 °F (-40 to 82 °C)	N/A	All
MCU Temperature	AI	16	0 °F (0 °C)	-40 to 180 °F (-40 to 82 °C)	N/A	All
Light Sensor Level	AI	20	0	0 to 30000	N/A	All
RH Temperature Raw Value	AI	32	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	N/A	All
Relative Humidity Raw Value	AI	40	0 %	0 to 100 %	N/A	All
Wireless Device 1 - Temperature	AI	315	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 2 - Temperature	AI	316	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 3 - Temperature	AI	317	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 4 - Temperature	AI	318	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 5 - Temperature	AI	319	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 6 - Temperature	AI	320	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 7 - Temperature	AI	321	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 8 - Temperature	AI	322	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 9 - Temperature	AI	323	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 10 - Temperature	AI	324	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Effective Setpoint	AI	329	0 °F (-18 °C)	40 to 100 °F (4 to 38 °C)	Operating Status	All
Paired ZigBee Devices	AI	330	0	0 to 20		All
Wi-Fi Network Signal Strength	AI	342	0 %	0 to 100 %		All
Airflow Setpoint	AI	350	0 CFM	0 to 10000 CFM		All
Wireless Device 11 - Temperature	AI	355	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 12 - Temperature	AI	356	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 13 - Temperature	AI	357	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 14 - Temperature	AI	358	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 15 - Temperature	AI	359	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 16 - Temperature	AI	360	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 17 - Temperature	AI	361	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 18 - Temperature	AI	362	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 19 - Temperature	AI	363	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 20 - Temperature	AI	364	-40 °F (-40 °C)	-40 to 185 °F (-40 to 85 °C)	Inputs	All
Wireless Device 1 - Humidity	AI	365	0 %	0 to 100 %	Inputs	All
Wireless Device 2 - Humidity	AI	366	0 %	0 to 100 %	Inputs	All
Wireless Device 3 - Humidity	AI	367	0 %	0 to 100 %	Inputs	All
Wireless Device 4 - Humidity	AI	368	0 %	0 to 100 %	Inputs	All
Wireless Device 5 - Humidity	AI	369	0 %	0 to 100 %	Inputs	All

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
Wireless Device 6 - Humidity	AI	370	0 %	0 to 100 %	Inputs	All
Wireless Device 7 - Humidity	AI	371	0 %	0 to 100 %	Inputs	All
Wireless Device 8 - Humidity	AI	372	0 %	0 to 100 %	Inputs	All
Wireless Device 9 - Humidity	AI	373	0 %	0 to 100 %	Inputs	All
Wireless Device 10 - Humidity	AI	374	0 %	0 to 100 %	Inputs	All
Wireless Device 11 - Humidity	AI	375	0 %	0 to 100 %	Inputs	All
Wireless Device 12 - Humidity	AI	376	0 %	0 to 100 %	Inputs	All
Wireless Device 13 - Humidity	AI	377	0 %	0 to 100 %	Inputs	All
Wireless Device 14 - Humidity	AI	378	0 %	0 to 100 %	Inputs	All
Wireless Device 15 - Humidity	AI	379	0 %	0 to 100 %	Inputs	All
Wireless Device 16 - Humidity	AI	380	0 %	0 to 100 %	Inputs	All
Wireless Device 17 - Humidity	AI	381	0 %	0 to 100 %	Inputs	All
Wireless Device 18 - Humidity	AI	382	0 %	0 to 100 %	Inputs	All
Wireless Device 19 - Humidity	AI	383	0 %	0 to 100 %	Inputs	All
Wireless Device 20 - Humidity	AI	384	0 %	0 to 100 %	Inputs	All
Wireless Device 1 - CO2	AI	385	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 2 - CO2	AI	386	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 3 - CO2	AI	387	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 4 - CO2	AI	388	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 5 - CO2	AI	389	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 6 - CO2	AI	390	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 7 - CO2	AI	391	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 8 - CO2	AI	392	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 9 - CO2	AI	393	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 10 - CO2	AI	394	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 11 - CO2	AI	395	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 12 - CO2	AI	396	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 13 - CO2	AI	397	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 14 - CO2	AI	398	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 15 - CO2	AI	399	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 16 - CO2	AI	400	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 17 - CO2	AI	401	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 18 - CO2	AI	402	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 19 - CO2	AI	403	0 ppm	0 to 5000 ppm	Environment	All
Wireless Device 20 - CO2	AI	404	0 ppm	0 to 5000 ppm	Environment	All
WiFi Channel	AI	405	0	0 to 165		All

Analog Output Properties

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
PI Heating Demand	AO	21	0 %	0 to 100 %	System Status	All
PI Cooling Demand	AO	22	0 %	0 to 100 %	System Status	All
Economizer Demand	AO	23	0 %	0 to 100 %	System Status	6500
Analog Output Heat Demand	AO	24	0 %	0 to 100 %	Terminals	6500
PI Zoning Demand	AO	25	0 %	-100 to 100 %	Terminals	6500
Pulsed Heating Demand	AO	90	0 %	0 to 100 %	Terminals	6500
AO1 Voltage	AO	101	0 v	0 to 10 v	Terminals	All
AO2 Voltage	AO	102	0 v	0 to 10 v	Terminals	All
AO3 Voltage	AO	103	0 v	0 to 10 v	Terminals	All
AO4 Voltage	AO	104	0 v	0 to 10 v	Terminals	All

Analog Value Properties

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
Low Backlight	AV	3	60%	0 to 100 %	Display	All
Night Backlight	AV	4	5%	0 to 100 %	Display	All
Purge Sample Period	AV	5	2 h	0 to 4 h	Fan Coil Unit	3500
Purge Open	AV	6	2 m	1 to 3 m	Fan Coil Unit	3500
Calibrate Room Temperature Sensor	AV	7	0 °F Delta (0 °C)	-5 to 5 °F Delta (-3 to 3 °C)	Inputs	All
Calibrate Humidity Sensor	AV	8	0%	-15 to 15 %	Inputs	All
COM Address	AV	10	254	0 to 254	BACnet	All
BACnet Stack Poll Rate	AV	16	4	1 to 5		All
Supply Temperature Low Limit	AV	20	45 °F (7 °C)	35 to 65 °F (2 to 18 °C)	Rooftop	6500
Minimum Fresh Air	AV	21	0	0 to 20000		6500
Maximum Fresh Air	AV	22	0	0 to 20000		6500
Minimum CO2	AV	23	800 ppm	0 to 4800 ppm		6500
Maximum CO2	AV	24	1200 ppm	200 to 5000 ppm		6500
Lua Parameter A (AV25)	AV	25	0	-32768 to 32767	Lua Variables	All
Lua Parameter B (AV26)	AV	26	0	-32768 to 32767	Lua Variables	All
Lua Parameter C (AV27)	AV	27	0	-32768 to 32767	Lua Variables	All
Lua Parameter D (AV28)	AV	28	0	-32768 to 32767	Lua Variables	All
Lua Parameter E (AV29)	AV	29	0	-32768 to 32767	Lua Variables	All
Lua Parameter F (AV30)	AV	30	0	-32768 to 32767	Lua Variables	All
Lua Parameter G (AV31)	AV	31	0	-32768 to 32767	Lua Variables	All
Lua Parameter H (AV32)	AV	32	0	-32768 to 32767	Lua Variables	All
Lua Parameter I (AV33)	AV	33	0	-32768 to 32767	Lua Variables	All
Lua Parameter J (AV34)	AV	34	0	-32768 to 32767	Lua Variables	All
Lua Parameter K (AV35)	AV	35	0	-32768 to 32767	Lua Variables	All
Lua Parameter L (AV36)	AV	36	0	-32768 to 32767	Lua Variables	All
Occupied Heat Setpoint	AV	39	72 °F (22 °C)	40 to 90 °F (4 to 32 °C)	Setpoints	All
Occupied Cool Setpoint	AV	40	75 °F (24 °C)	54 to 100 °F (12 to 38 °C)	Setpoints	All
Standby Heat Setpoint	AV	41	69 °F (21 °C)	40 to 90 °F (4 to 32 °C)	Setpoints	All
Standby Cool Setpoint	AV	42	78 °F (26 °C)	54 to 100 °F (12 to 38 °C)	Setpoints	All
Unoccupied Heat Setpoint	AV	43	62 °F (17 °C)	40 to 90 °F (4 to 32 °C)	Setpoints	All
Unoccupied Cool Setpoint	AV	44	80 °F (27 °C)	54 to 100 °F (12 to 38 °C)	Setpoints	All
Default Cooling Setpoint	AV	45	75 °F (24 °C)	54 to 100 °F (12 to 38 °C)		All
Standby Temperature Differential	AV	46	4 °F Delta (2 °C)	1 to 5 °F Delta (1 to 3 °C)		All
Default Heating Setpoint	AV	47	72 °F (22 °C)	40 to 90 °F (4 to 32 °C)		All
Number of Pipes	AV	52	2	0 to 4	Fan Coil Unit	3500
Maximum Heating Setpoint Limit	AV	58	90 °F (32 °C)	40 to 90 °F (4 to 32 °C)	Setpoint Configuration	All
Minimum Cooling Setpoint Limit	AV	59	54 °F (12 °C)	54 to 100 °F (12 to 38 °C)	Setpoint Configuration	All
Minimum Occupied Heating Setpoint Limit	AV	60	40 °F (4 °C)	40 to 90 °F (4 to 32 °C)		All
Maximum Occupied Cooling Setpoint Limit	AV	61	100 °F (38 °C)	54 to 100 °F (12 to 38 °C)		All
Temporary Occupancy Time	AV	62	2 h	0 to 24 h	Occupancy Configuration	All
Minimum Deadband	AV	63	3 °F Delta (2 °C)	1.8 to 5 °F Delta (1 to 3 °C)	Setpoint Configuration	All
Proportional Band	AV	65	3 °F Delta (2 °C)	3 to 10 °F Delta (2 to 6 °C)	Fan Coil Unit	All
Standby Time	AV	67	0.5 h	0.5 to 24 h	Occupancy Configuration	All
Unoccupied Time	AV	68	0 h	0 to 24 h	Occupancy Configuration	All
Dehumidification Setpoint	AV	71	50%	30 to 95 %	Dehumidifier	All
Dehumidification Hysteresis	AV	72	5%	2 to 20 %	Dehumidifier	All
Dehumidification Max Cooling Limit	AV	73	100%	20 to 100 %	Dehumidifier	3500
Calibrate Outside Temperature Sensor	AV	74	0 °F Delta (0 °C)	-5 to 5 °F Delta (-3 to 3 °C)	Inputs	All

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
Number of Cooling Stages	AV	75	2	1 to 2	Rooftop	6500
Power-up Delay	AV	76	10	10 to 120	Rooftop	6500
Economizer Minimum Position	AV	78	0%	0 to 99 %	Economizer	6500
Economizer Maximum Position	AV	81	100%	1 to 100 %	Economizer	6500
High balance point	AV	82	90 °F (32 °C)	34 to 90 °F (1 to 32 °C)		6500
Low balance point	AV	83	-12 °F (-24 °C)	-40 to 30 °F (-40 to -1 °C)		6500
Heating CPH	AV	84	4	3 to 8	Rooftop	All
Cooling CPH	AV	85	4	3 to 8		3500
Cooling CPH	AV	85	4	3 to 4	Rooftop	6500
Anti Short Cycle Time	AV	86	2 m	0 to 5 m	Rooftop	6500
Number of Heating Stages	AV	87	2	0 to 2	Rooftop	6500
Heating Demand Limit	AV	88	100%	0 to 100 %	System Status	All
Cooling Demand Limit	AV	89	100%	0 to 100 %	System Status	All
Floating Actuator Time	AV	90	1.5 m	0.5 to 9 m	Fan Coil Unit	3500
Heating Lockout from Outside Air Temperature	AV	91	120 °F (49 °C)	-15 to 120 °F (-26 to 49 °C)	Rooftop	6500
Cooling Lockout	AV	93	-40 °F (-40 °C)	-40 to 95 °F (-40 to 35 °C)	Rooftop	6500
Supply Air Temperature Setpoint	AV	94	55 °F (13 °C)	50 to 90 °F (10 to 32 °C)	Economizer	6500
Changeover Setpoint	AV	95	55 °F (13 °C)	14 to 70 °F (-10 to 21 °C)	Economizer	6500
Fresh Air Range Upper Limit	AV	96	0	0 to 20000		6500
Minimum Supply Heat	AV	97	64 °F (18 °C)	50 to 72 °F (10 to 22 °C)		6500
Supply Heat Lockout	AV	98	32 °F (0 °C)	-15 to 120 °F (-26 to 49 °C)		6500
Supply Temperature High Limit	AV	99	120 °F (49 °C)	70 to 150 °F (21 to 66 °C)	Rooftop	6500
Room Temperature	AV	100	0 °F (-18 °C)	-40 to 122 °F (-40 to 50 °C)	Environment	All
Outdoor Temperature	AV	101	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Environment	All
Supply Temperature	AV	102	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Environment	All
Room Humidity	AV	103	0%	0 to 100 %	Environment	All
Changeover Temperature	AV	104	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Environment	3500
Wired Temperature Sensor	AV	105	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Environment	All
CO2 Level	AV	106	0 ppm	0 to 5000 ppm	Environment	All
Airflow Level	AV	107	0	0 to 20000	System Status	6500
UI1 Voltage	AV	111	0 v	0 to 10 v	Terminals	All
UI2 Voltage	AV	112	0 v	0 to 10 v	Terminals	All
UI3 Voltage	AV	113	0 v	0 to 10 v	Terminals	All
UI4 Voltage	AV	114	0 v	0 to 10 v	Terminals	All
UI5 Voltage	AV	115	0 v	0 to 10 v	Terminals	All
UI6 Voltage	AV	116	0 v	0 to 10 v	Terminals	All
UI7 Voltage	AV	117	0 v	0 to 10 v	Terminals	All
UI8 Voltage	AV	118	0 v	0 to 10 v	Terminals	All
UI1 Temperature	AV	121	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Terminals	All
UI2 Temperature	AV	122	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Terminals	All
UI3 Temperature	AV	123	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Terminals	All
UI4 Temperature	AV	124	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Terminals	All
UI5 Temperature	AV	125	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Terminals	All
UI6 Temperature	AV	126	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Terminals	All
UI7 Temperature	AV	127	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Terminals	All
UI8 Temperature	AV	128	0 °F (-18 °C)	-40 to 180 °F (-40 to 82 °C)	Terminals	All
Ambient Low Temperature Threshold	AV	209	40 °F (4 °C)	32 to 50 °F (0 to 10 °C)		All
Temperature Alarm Hysteresis	AV	210	2 °F Delta (1 °C)	0 to 10 °F Delta (0 to 6 °C)		All
ECM Fan Low Voltage	AV	212	2.2 v	0 to 9.8 v		3500
ECM Fan Medium Voltage	AV	213	6 v	0.1 to 9.9 v		3500

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
ECM Fan High Voltage	AV	214	8.6 v	0.2 to 10 v		3500
Zone Heating PI Weight	AV	220	100 %	0 to 100 %		3500
Zone Cooling PI Weight	AV	221	100 %	0 to 100 %		3500
Flow @ 1 inch wc (K)	AV	222	800 CFM	150 to 7500 CFM		3500
Pressure Sensor Range	AV	223	10 in	6 to 50 in		3500
Inactivity Time	AV	231	3 m	1 to 10 m	Display	All
Backlight Brightness	AV	232	60%	0 to 100 %	Display	All
Halo Red Color	AV	233	0	0 to 255	Display	All
Halo Green Color	AV	234	0	0 to 255	Display	All
Halo Blue Color	AV	235	0	0 to 255	Display	All
Halo Maximum Brightness	AV	236	100 %	0 to 100 %	Display	All
Actuator Timing	AV	240	15 m	5 to 90 m		All
Floating Reheat Timing	AV	241	15 m	5 to 90 m		All
Outside Air Temperature Duct Heater Lockout	AV	242	60 °F (16 °C)	30 to 90 °F (-1 to 32 °C)		All
Outside Air Temperature Baseboard Lockout	AV	243	60 °F (16 °C)	30 to 90 °F (-1 to 32 °C)		All
Damper Minimum Position	AV	250	10 %	0 to 100 %		All
Damper Maximum Cooling Position	AV	251	100 %	0 to 100 %		All
Damper Maximum Heating Position	AV	252	100 %	0 to 100 %		All
Damper Maximum Reheat Position	AV	253	30 %	0 to 100 %		All
Minimum Airflow	AV	254	50 CFM	0 to 10000 CFM		All
Maximum Cooling Airflow	AV	255	200 CFM	0 to 10000 CFM		All
Maximum Heating Airflow	AV	256	200 CFM	0 to 10000 CFM		All
Maximum Reheat Airflow	AV	257	50 CFM	0 to 10000 CFM		All
Minimum Airflow Offset	AV	258	0 CFM	-5000 to 5000 CFM		All
Maximum Airflow Offset	AV	259	0 CFM	-5000 to 5000 CFM		All
Ambient High Temperature Threshold	AV	275	86 °F (30 °C)	32 to 122 °F (0 to 50 °C)		All
Refrigeration High Temperature Threshold	AV	276	40 °F (4 °C)	32 to 60 °F (0 to 16 °C)		All
Refrigeration Low Temperature Threshold	AV	277	32 °F (0 °C)	32 to 50 °F (0 to 10 °C)		All
Freezer High Temperature Threshold	AV	278	0 °F (-18 °C)	-40 to 32 °F (-40 to 0 °C)		All
ADR Setpoint Offset - Load Shedding	AV	280	4 °F Delta (2 °C)	1 to 10 °F Delta (1 to 6 °C)	ADR	All
ADR Setpoint Offset - Pricing	AV	281	4 °F Delta (2 °C)	1 to 10 °F Delta (1 to 6 °C)	ADR	All
Temperature compensation matrix	AV	282	0 °F (-18 °C)	-100 to 100 °F (-73 to 38 °C)		All
Timezone Offset	AV	283	0 m	-1440 to 1440 m		All

Binary Objects

Binary Input Properties

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
UI1 Binary	BI	1	0=Activated	0=Activated, 1=Not activ.	Terminals	All
UI2 Binary	BI	2	0=Activated	0=Activated, 1=Not activ.	Terminals	All
UI3 Binary	BI	3	0=Activated	0=Activated, 1=Not activ.	Terminals	All
UI4 Binary	BI	4	0=Activated	0=Activated, 1=Not activ.	Terminals	All
UI5 Binary	BI	5	0=Activated	0=Activated, 1=Not activ.	Terminals	All
UI6 Binary	BI	6	0=Activated	0=Activated, 1=Not activ.	Terminals	All
UI7 Binary	BI	7	0=Activated	0=Activated, 1=Not activ.	Terminals	All
UI8 Binary	BI	8	0=Activated	0=Activated, 1=Not activ.	Terminals	All

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
RUI1 Binary Input	BI	11	0=Activated	0=Activated, 1=Not activ.	Terminals	All
RBI2 Binary Input	BI	12	0=Activated	0=Activated, 1=Not activ.	Terminals	All

Binary Output Properties

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
DO1 Binary Output	BO	1	0=Off	0=Off, 1=On	Terminals	3500
DO1 Occupancy Output	BO	1	0=Off	0=Off, 1=On	Terminals	6500
Y2 Status	BO	2	0=Off	0=Off, 1=On	Terminals	6500
DO2 Low Speed Fan Output	BO	2	0=Off	0=Off, 1=On	Terminals	3500
DO3 Medium Speed Fan Output	BO	3	0=Off	0=Off, 1=On	Terminals	3500
Y1 Status	BO	3	0=Off	0=Off, 1=On	Terminals	6500
DO4 High Speed Fan Output	BO	4	0=Off	0=Off, 1=On	Terminals	3500
G Fan Status	BO	4	0=Off	0=Off, 1=On	Terminals	6500
W1 Status	BO	5	0=Off	0=Off, 1=On	Terminals	6500
DO5 Auxiliary Binary Output	BO	5	0=Off	0=Off, 1=On	Terminals	3500
DO6 Binary Output	BO	6	0=Off	0=Off, 1=On	Terminals	3500
W2-OB Status	BO	6	0=Off	0=Off, 1=On	Terminals	6500
DO7 Binary Output	BO	7	0=Off	0=Off, 1=On	Terminals	All
DO8 Binary Output	BO	8	0=Off	0=Off, 1=On	Terminals	All
DO9 Binary Output	BO	9	0=Off	0=Off, 1=On	Terminals	All
Remote High Speed Fan Output	BO	10	0=Off	0=Off, 1=On	Terminals	All
Remote Medium Speed Fan Output	BO	11	0=Off	0=Off, 1=On	Terminals	All
Remote Low Speed Fan Output	BO	12	0=Off	0=Off, 1=On	Terminals	All
Remote Cooling Output	BO	13	0=Off	0=Off, 1=On	Terminals	All
Remote Heating Output	BO	14	0=Off	0=Off, 1=On	Terminals	All

Binary Value Properties

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
Door Contact Status	BV	1	0=Closed	0=Closed, 1=Opened		All
Door Contact Installed	BV	2	0=No	0=No, 1=Yes		All
Window Contact Status	BV	3	0=Closed	0=Closed, 1=Opened		All
Window Contact Installed	BV	4	0=No	0=No, 1=Yes		All
Low Battery Alarm	BV	5	0=Off	0=Off, 1=On		All
Clock Alarm	BV	8	0=Off	0=Off, 1=On		All
Exception Status	BV	10	0=Off	0=Off, 1=On		All
PIR Local Motion	BV	32	0=No motion	0=No motion, 1=Motion		All
PIR Local Proximity	BV	33	0=No proximity	0=No proximity, 1=Proximity		All
Window Alarm	BV	35	0=Off	0=Off, 1=On		All
Filter Alarm	BV	36	0=Off	0=Off, 1=On		All
Service Alarm	BV	37	0=Off	0=Off, 1=On		All
Dehumidification Status	BV	38	0=Off	0=Off, 1=On		All
Fan Lock Alarm	BV	39	0=Off	0=Off, 1=On		6500
Smart Recovery Status	BV	40	0=Off	0=Off, 1=On		All
CO2 Alarm	BV	41	0=Off	0=Off, 1=On		6500
Low Fresh Air Alarm	BV	42	0=Off	0=Off, 1=On		6500
Frost Protection Alarm	BV	43	0=Off	0=Off, 1=On		6500
Water Leak	BV	44	0=Off	0=Off, 1=On		All
Water Leak Sensor Installed	BV	45	0=No	0=No, 1=Yes		All

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
Water leak sensor status	BV	46	0=Normal	0=Normal, 1=Leak		All
Low Temperature	BV	47	0=Off	0=Off, 1=On		All
High Temperature	BV	48	0=Off	0=Off, 1=On		All
Wireless Sensor Communication Alarm	BV	50	0=Off	0=Off, 1=On		All
Purge Status	BV	60	0=Off	0=Off, 1=On		All
Activity Status	BV	65	0=Inactive	0=Inactive, 1=Active		All
ADR Utility Signal - Load Shedding	BV	80	0=Off	0=Off, 1=On		All
ADR Status - Load Shedding	BV	81	0=Off	0=Off, 1=On		All
ADR Override - Load Shedding	BV	82	0=Off	0=Off, 1=On		All
ADR Utility Signal - Pricing	BV	83	0=Off	0=Off, 1=On		All
ADR Status - Pricing	BV	84	0=Off	0=Off, 1=On		All
ADR Override - Pricing	BV	85	0=Off	0=Off, 1=On		All
ZigBee PIR Sensor Installed	BV	200	0=Off	0=Off, 1=On		All
ZigBee Sensor Motion	BV	201	0=No motion	0=No motion, 1=Motion		All

CSV Objects

Object Name	BACnet		Default Value	Range Value	Room Controller ¹	
	Type	Inst.			Screen Name	Model(s)
Short Screen Message Text	CSV	1	0	0 to 160		All
Long Screen Message Text	CSV	2	0	0 to 480		All
Wi-Fi Device Name	CSV	4	0	0 to 63	Device Info	All
Wi-Fi Firmware Version	CSV	5	0	0 to 63	Device Info	All
MAC Address	CSV	6	0	0 to 18		All
Wi-Fi Network SSID	CSV	7	0	0 to 33		All
Zigbee IEEE Address	CSV	10	0	0 to 18		All
Wireless Device 1 - Address	CSV	11	0	0 to 18		All
Wireless Device 2 - Address	CSV	12	0	0 to 18		All
Wireless Device 3 - Address	CSV	13	0	0 to 18		All
Wireless Device 4 - Address	CSV	14	0	0 to 18		All
Wireless Device 5 - Address	CSV	15	0	0 to 18		All
Wireless Device 6 - Address	CSV	16	0	0 to 18		All
Wireless Device 7 - Address	CSV	17	0	0 to 18		All
Wireless Device 8 - Address	CSV	18	0	0 to 18		All
Wireless Device 9 - Address	CSV	19	0	0 to 18		All
Wireless Device 10 - Address	CSV	20	0	0 to 18		All
Wireless Device 11 - Address	CSV	21	0	0 to 18		All
Wireless Device 12 - Address	CSV	22	0	0 to 18		All
Wireless Device 13 - Address	CSV	23	0	0 to 18		All
Wireless Device 14 - Address	CSV	24	0	0 to 18		All
Wireless Device 15 - Address	CSV	25	0	0 to 18		All
Wireless Device 16 - Address	CSV	26	0	0 to 18		All
Wireless Device 17 - Address	CSV	27	0	0 to 18		All
Wireless Device 18 - Address	CSV	28	0	0 to 18		All
Wireless Device 19 - Address	CSV	29	0	0 to 18		All
Wireless Device 20 - Address	CSV	30	0	0 to 18		All
Active User Id	CSV	31	0	0 to 33	User Info	All
Location	CSV	35	0	0 to 49	Device Info	All
Install Code	CSV	36	0	0 to 46		All
Timezone	CSV	40	0	0 to 32	Time Zone	All

Object Name	BACnet		Default Value	Range Value	Room Controller ¹	
	Type	Inst.			Screen Name	Model(s)
Custom Standby Heading Text	CSV	41	0	0 to 65		All
Custom Standby Body Text	CSV	42	0	0 to 161		All
WiFi Country Code	CSV	43	0	0 to 64		All

File Objects

Object Name	Instance	Description
Custom Lua File	1	<p>Read/write access to the LUA4RC script.</p> <p>The script can be written via this object, or via USB.</p> <p>Note: "Program Objects" on page <?> can be used to monitor and control the script execution.</p>

Multi-State Objects

Multi-State Input Properties

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
ZigBee Network Status	MSI	2	1=Disabled	1=Disabled, 2=Initializing, 3=Upgrading, 4=Searching, 5=Joining, 6=Forming, 7=Resuming, 8=Online, 9=Failed		All
Effective Occupancy	MSI	33	1=Occupied	1=Occupied, 2=Unoccupied, 3=Override, 4=Standby	Operating Status	All
Wireless Device 1 - Status	MSI	210	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 1 - Battery	MSI	211	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 1 - Communication Status	MSI	212	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 2 - Status	MSI	220	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 2 - Battery	MSI	221	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 2 - Communication Status	MSI	222	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 3 - Status	MSI	230	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 3 - Battery	MSI	231	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 3 - Communication Status	MSI	232	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 4 - Status	MSI	240	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 4 - Battery	MSI	241	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 4 - Communication Status	MSI	242	1=None	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 5 - Status	MSI	250	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 5 - Battery	MSI	251	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 5 - Communication Status	MSI	252	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 6 - Status	MSI	260	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 6 - Battery	MSI	261	1=None	1=None, 2=Normal, 3=Low		All

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
Wireless Device 6 - Communication Status	MSI	262	1=None	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 7 - Status	MSI	270	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 7 - Battery	MSI	271	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 7 - Communication Status	MSI	272	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 8 - Status	MSI	280	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 8 - Battery	MSI	281	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 8 - Communication Status	MSI	282	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 9 - Status	MSI	290	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 9 - Battery	MSI	291	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 9 - Communication Status	MSI	292	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 10 - Status	MSI	300	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 10 - Battery	MSI	301	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 10 - Communication Status	MSI	302	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Effective temperature sensor	MSI	309	1=Wired	1=Wired, 2=Internal, 3=Wireless Sensor 1, 4=Wireless Sensor 2, 5=Wireless Sensor 3, 6=Wireless Sensor 4, 7=Wireless Sensor 5, 8=Wireless Sensor 6, 9=Wireless Sensor 7, 10=Wireless Sensor 8, 11=Wireless Sensor 9, 12=Wireless Sensor 10, 13=Wireless Sensor 11, 14=Wireless Sensor 12, 15=Wireless Sensor 13, 16=Wireless Sensor 14, 17=Wireless Sensor 15, 18=Wireless Sensor 16, 19=Wireless Sensor 17, 20=Wireless Sensor 18, 21=Wireless Sensor 19, 22=Wireless Sensor 20	Environment	All
Wireless Device 11 - Status	MSI	310	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 11 - Battery	MSI	311	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 11 - Communication Status	MSI	312	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Effective relative humidity sensor	MSI	313	1=None	1=None, 2=Internal, 3=Wireless Sensor 1, 4=Wireless Sensor 2, 5=Wireless Sensor 3, 6=Wireless Sensor 4, 7=Wireless Sensor 5, 8=Wireless Sensor 6, 9=Wireless Sensor 7, 10=Wireless Sensor 8, 11=Wireless Sensor 9, 12=Wireless Sensor 10, 13=Wireless Sensor 11, 14=Wireless Sensor 12, 15=Wireless Sensor 13, 16=Wireless Sensor 14, 17=Wireless Sensor 15, 18=Wireless Sensor 16, 19=Wireless Sensor 17, 20=Wireless Sensor 18, 21=Wireless Sensor 19, 22=Wireless Sensor 20	Environment	All
Effective System Mode	MSI	314	1=Cool	1=Cool, 2=Heat	Operating Status	All
IP Status	MSI	315	1=Offline	1=Offline, 2=Initializing, 3=Ready, 4=Booting, 5=Resetting, 6=Fail, 7=Testing	BACnet	All
WiFi Network Status	MSI	316	1=Offline	1=Offline, 2=Associate, 3=Online, 4=Failure	BACnet	All
SMTP Server Status	MSI	318	1=Unknown	1=Unknown, 2=Disabled, 3=Offline, 4=Online	BACnet	All
Wireless Device 12 - Status	MSI	320	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 12 - Battery	MSI	321	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 12 - Communication Status	MSI	322	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
CO2 Effective Source	MSI	324	1=None	1=None, 2=Internal, 3=Error, 4=Wired, 5=Wireless Sensor 1, 6=Wireless Sensor 2, 7=Wireless Sensor 3, 8=Wireless Sensor 4, 9=Wireless Sensor 5, 10=Wireless Sensor 6, 11=Wireless Sensor 7, 12=Wireless Sensor 8, 13=Wireless Sensor 9, 14=Wireless Sensor 10, 15=Wireless Sensor 11, 16=Wireless Sensor 12, 17=Wireless Sensor 13, 18=Wireless Sensor 14, 19=Wireless Sensor 15, 20=Wireless Sensor 16, 21=Wireless Sensor 17, 22=Wireless Sensor 18, 23=Wireless Sensor 19, 24=Wireless Sensor 20	Environment	All
Time source	MSI	325	1=None	1=None, 2=Local, 3=BACnet, 4=NTP, 5=Cloud		All
Fan Speed Status	MSI	326	1=Off	1=Off, 2=Low, 3=Medium, 4=High	Operating Status	All
WiFi Network Signal Strength	MSI	327	1=Poor	1=Poor, 2=Fair, 3=Good, 4=Excellent		All
Wireless Device 13 - Status	MSI	330	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 13 - Battery	MSI	331	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 13 - Communication Status	MSI	332	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 14 - Status	MSI	340	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 14 - Battery	MSI	341	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 14 - Communication Status	MSI	342	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 15 - Status	MSI	350	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 15 - Battery	MSI	351	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 15 - Communication Status	MSI	352	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 16 - Status	MSI	360	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 16 - Battery	MSI	361	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 16 - Communication Status	MSI	362	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 17 - Status	MSI	370	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 17 - Battery	MSI	371	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 17 - Communication Status	MSI	372	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 18 - Status	MSI	380	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 18 - Battery	MSI	381	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 18 - Communication Status	MSI	382	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 19 - Status	MSI	390	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 19 - Battery	MSI	391	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 19 - Communication Status	MSI	392	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
Wireless Device 20 - Status	MSI	400	1=None	1=None, 2=Closed, 3=Opened, 4=No motion, 5=Motion, 6=Normal, 7=Leak		All
Wireless Device 20 - Battery	MSI	401	1=None	1=None, 2=Normal, 3=Low		All
Wireless Device 20 - Communication Status	MSI	402	1=Not paired	1=Not paired, 2=Online, 3=Invalid, 4=Offline		All
WiFi Band	MSI	406	1=None	1=None, 2=5 GHz, 3=2.4 GHz		All

Multi-State Value Properties

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
Color Theme	MV	2	2=Dark	1=Light, 2=Dark	Preferences (main)	All
Main Display	MV	3	1=Temp.	1=Temp., 2=Setpoint		All
Display Language	MV	4	1=English	1=English, 2=French, 3=Spanish, 4=Chinese, 5=Russian, 6=Arabic, 7=Danish, 8=Italian, 9=German, 10=Indonesian, 11=Polish, 12=Swedish, 13=Norwegian, 14=Finnish, 15=Hungarian, 16=Turkish, 17=Dutch, 18=Czech, 19=Portuguese, 20=Bulgarian, 21=Slovak, 22=Japanese, 23=Hebrew	Preferences (main)	All
Time Format	MV	5	1=12 Hour (AM-PM)	1=12 Hour (AM-PM), 2=24 Hour	Preferences (main)	All
Network Units	MV	6	2=Imperial	1=SI, 2=Imperial	Preferences (main)	All
BACnet Baud Rate	MV	8	7=Auto	1=9600, 2=19200, 3=38400, 4=57600, 5=76800, 6=115200, 7=Auto	BACnet	All
Occupancy Command	MV	10	2=Occupied	1=Loc occ., 2=Occupied, 3=Unocc.	Occupancy Configuration	All
Standby Mode Configuration	MV	11	1=Absolute	1=Absolute, 2=Offset	Setpoint Configuration	All
Fan Delay	MV	12	2=On	1=Off, 2=On	Rooftop	6500
Dehumidification Enabled	MV	13	1=Disabled	1=Disabled, 2=Enabled	Dehumidifier	All
Sequence of Operation	MV	15	2=Heating only	1=Cooling only, 2=Heating only, 3=Reheat Only, 4=Cooling/Heating, 5=Cooling/Reheat, 6=Heating/Reheat, 7=Cooling/Heating/Reheat	Fan Coil Unit	3500
System Mode	MV	16	4=Heat	1=Off, 2=Auto, 3=Cool, 4=Heat	Home	All
Fan Mode	MV	17	3=Smart	1=On, 2=Auto, 3=Smart, 4=Low, 5=Medium, 6=High	Home	All
Fan Mode	MV	17	3=Smart	1=On, 2=Auto, 3=Smart	Home	All
Use Standby Screen	MV	32	1=Disabled	1=Disabled, 2=Custom Image	Display	All
UI1 Configuration	MV	46	1=None	1=None, 2=Rem NSB, 3=Motion NO, 4=Motion NC, 5=Window, 6=Fan lock	Inputs	All
UI2 Configuration	MV	47	1=None	1=None, 2=Door dry, 3=Override, 4=Filter, 5=Service	Inputs	All
UI3 Configuration	MV	49	1=None	1=None, 2=CO2	Inputs	3500
UI3 Configuration	MV	49	1=None	1=None, 2=CO2, 3=COC/NH, 4=COC/NC, 5=COS	Inputs	6500
Temperature Scale	MV	51	1=°C	1=°C, 2=°F		All
Frost Protection	MV	55	1=Off	1=Off, 2=On	Rooftop	6500
Fan Sequence	MV	57	5=Speeds-Smart	1=Auto, 2=Smart, 3=Auto-Smart, 4=Speeds-Auto, 5=Speeds-Smart, 6=Speeds-Auto-Smart	Fan	3500
Setpoint Function	MV	58	2=Attach SP	1=Dual SP, 2=Attach SP	Setpoint Configuration	All
Enable Smart Recovery	MV	71	1=Off	1=Off, 2=On	Occupancy Configuration	All
Economizer Configuration	MV	72	1=Off	1=Off, 2=On	Economizer	6500
Mechanical Cooling Allowed	MV	79	1=Off	1=Off, 2=On	Economizer	6500
Valve 1 Type	MV	81	2=Floating	1=On/Off, 2=Floating, 3=0-10V Direct Acting, 4=0-10V Reverse Acting	Fan Coil Unit	3500
Valve 2 Type	MV	82	2=Floating	1=On/Off, 2=Floating, 3=0-10V Direct Acting, 4=0-10V Reverse Acting		3500
RBI2 Configuration	MV	83	1=None	1=None, 2=Filter, 3=Service		3500
Heating Valve	MV	86	1=NO	1=NO, 2=NC		3500
Cooling Valve	MV	87	1=NO	1=NO, 2=NC		3500
Pulsed Heating	MV	90	1=Off	1=Off, 2=On, 3=Occ out		3500
Reheat Time Base	MV	91	1=On/Off (4 CPH)	1=On/Off (4 CPH), 2=PWM (10s Duty Cycle)	Fan Coil Unit	3500

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
BO1 Auxiliary Output Configuration	MV	92	1=NO	1=NO, 2=NC		6500
Auxiliary Output	MV	92	1=Reheat (Normally Open)	1=Reheat (Normally Open), 2=Occupancy (Normally Open), 3=Occupancy (Normally Closed), 4=Aux Fan (Normally Open), 5=Aux Fan (Normally Closed), 6=Reheat (Normally Closed)	Fan Coil Unit	3500
Fan Control in Heating Mode	MV	95	1=Enabled	1=Enabled, 2=Forced Off-Auto/Smart, 3=Forced Off-All Modes	Fan	3500
Fan Control in Heating Mode	MV	95	2=On	1=Off, 2=On	Rooftop	6500
DO6-AO1 Configuration	MV	96	2=Binary RC	1=Analog, 2=Binary RC, 3=Binary RH	Terminals	3500
DO6-AO1 Configuration	MV	96	3=Binary RH	1=Analog, 2=Binary RC, 3=Binary RH	Terminals	6500
DO7-AO2 Configuration	MV	97	2=Binary RC	1=Analog, 2=Binary RC	Terminals	3500
DO7-AO2 Configuration	MV	97	1=Analog	1=Analog, 2=Binary RC	Terminals	6500
DO8-AO3 Configuration	MV	98	1=Analog	1=Analog, 2=Binary RC	Terminals	3500
DO8-AO3 Configuration	MV	98	2=Binary RC	1=Analog, 2=Binary RC	Terminals	6500
DO9-AO4 Configuration	MV	99	2=Binary RC	1=Analog, 2=Binary RC	Terminals	All
French	MV	101	2=Enabled	1=Disabled, 2=Enabled	Language Selection	All
Spanish	MV	102	2=Enabled	1=Disabled, 2=Enabled	Language Selection	All
Chinese	MV	103	2=Enabled	1=Disabled, 2=Enabled	Language Selection	All
Russian	MV	104	2=Enabled	1=Disabled, 2=Enabled	Language Selection	All
Occupancy Source	MV	110	1=Motion	1=Motion, 2=Schedule, 3=Motion during Schedule, 4=Motion or Schedule	Occupancy Configuration	All
Control Status	MV	112	1=Off	1=Off, 2=Cool, 3=Heat		All
Comfort or economy mode	MV	116	1=Comfort	1=Comfort, 2=Economy		6500
Reversing valve operation	MV	117	1=O	1=O, 2=B		6500
Compressor - auxiliary interlock	MV	118	1=Off	1=Off, 2=On		6500
Application	MV	119	1=Rooftop Unit	1=Rooftop Unit, 2=Heat Pump	HVAC Configuration	3500
Application	MV	119	1=FCU	1=FCU	HVAC Configuration	6500
Arabic	MV	120	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Bulgarian	MV	121	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Czech	MV	122	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Danish	MV	123	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Dutch	MV	124	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Finnish	MV	125	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
German	MV	126	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Hungarian	MV	127	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Indonesian	MV	128	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Italian	MV	129	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Norwegian	MV	130	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Polish	MV	131	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Portuguese	MV	132	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Slovak	MV	133	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Swedish	MV	134	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Turkish	MV	135	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Schedule Type	MV	136	1=7 days	1=7 days, 2=5+2 days, 3=5+1+1 day	Occupancy Schedule	All
UI1 Type	MV	141	2=Binary	1=Therm., 2=Binary, 3=Voltage		All
UI2 Type	MV	142	2=Binary	1=Therm., 2=Binary, 3=Voltage		All
UI3 Type	MV	143	3=Voltage	1=Therm., 2=Binary, 3=Voltage		All
UI3 Type	MV	143	1=Therm.	1=Therm., 2=Binary, 3=Voltage		All
UI4 Type	MV	144	1=Therm.	1=Therm., 2=Binary, 3=Voltage		All

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
UI5 Type	MV	145	1=Therm.	1=Therm., 2=Binary, 3=Voltage		All
UI6 Type	MV	146	1=Therm.	1=Therm., 2=Binary, 3=Voltage		All
UI7 Type	MV	147	3=Voltage	1=Therm., 2=Binary, 3=Voltage		All
UI8 Type	MV	148	3=Voltage	1=Therm., 2=Binary, 3=Voltage		All
Room Temperature Sensor	MV	150	1=Wired	1=Wired, 2=Internal, 3=Wireless Sensor 1, 4=Wireless Sensor 2, 5=Wireless Sensor 3, 6=Wireless Sensor 4, 7=Wireless Sensor 5, 8=Wireless Sensor 6, 9=Wireless Sensor 7, 10=Wireless Sensor 8, 11=Wireless Sensor 9, 12=Wireless Sensor 10, 13=Wireless Sensor 11, 14=Wireless Sensor 12, 15=Wireless Sensor 13, 16=Wireless Sensor 14, 17=Wireless Sensor 15, 18=Wireless Sensor 16, 19=Wireless Sensor 17, 20=Wireless Sensor 18, 21=Wireless Sensor 19, 22=Wireless Sensor 20		All
CO2 Autocalibration	MV	152	2=Enabled	1=Disabled, 2=Enabled		All
Relative humidity sensor	MV	154	2=Internal	1=None, 2=Internal, 3=Wireless Sensor 1, 4=Wireless Sensor 2, 5=Wireless Sensor 3, 6=Wireless Sensor 4, 7=Wireless Sensor 5, 8=Wireless Sensor 6, 9=Wireless Sensor 7, 10=Wireless Sensor 8, 11=Wireless Sensor 9, 12=Wireless Sensor 10, 13=Wireless Sensor 11, 14=Wireless Sensor 12, 15=Wireless Sensor 13, 16=Wireless Sensor 14, 17=Wireless Sensor 15, 18=Wireless Sensor 16, 19=Wireless Sensor 17, 20=Wireless Sensor 18, 21=Wireless Sensor 19, 22=Wireless Sensor 20		All
CO2 source	MV	155	2=Local	1=None, 2=Local, 3=Wireless Sensor 1, 4=Wireless Sensor 2, 5=Wireless Sensor 3, 6=Wireless Sensor 4, 7=Wireless Sensor 5, 8=Wireless Sensor 6, 9=Wireless Sensor 7, 10=Wireless Sensor 8, 11=Wireless Sensor 9, 12=Wireless Sensor 10, 13=Wireless Sensor 11, 14=Wireless Sensor 12, 15=Wireless Sensor 13, 16=Wireless Sensor 14, 17=Wireless Sensor 15, 18=Wireless Sensor 16, 19=Wireless Sensor 17, 20=Wireless Sensor 18, 21=Wireless Sensor 19, 22=Wireless Sensor 20	Environment	All
Temperature Alarm Enabled	MV	156	1=Off	1=Off, 2=On		All
ADR Permission	MV	157	1=Disabled	1=Disabled, 2=Enabled		All
Fan Type	MV	158	3=3 Speed (L-M-H)	1=1 Speed (H), 2=2 Speed (L-H), 3=3 Speed (L-M-H), 4=ECM		3500
Japanese	MV	159	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
Hebrew	MV	160	1=Disabled	1=Disabled, 2=Enabled	Language Selection	All
VAV Box Type	MV	170	2=PI	1=PD, 2=PI		All
Reheat Configuration	MV	171	1=None	1=None, 2=Duct only, 3=Base only, 4=Duct+base, 5=Base+duct		All
Damper Override	MV	172	1=None	1=None, 2=Minimum, 3=Max. cool, 4=Close, 5=Reheat, 6=Open		All
Zone Control Mode	MV	173	1=Cool	1=Cool, 2=Heat		All
Enable Static IP	MV	183	1=Dynamic	1=Dynamic, 2=Static		All
Enable WIFI	MV	184	1=Disabled	1=Disabled, 2=Enabled		All
Hidden WIFI	MV	185	1=Disabled	1=Disabled, 2=Enabled		All
Notification Type	MV	186	1=Disabled	1=Disabled, 2=Critical, 3=Warning, 4=Ok, 5=Informative		All
Notification Display Type	MV	187	3=All	1=Disabled, 2=Custom Only, 3=All	Display	All
Occupancy Sensor	MV	188	4=High	1=Off, 2=Low, 3=Medium, 4=High	Occupancy Configuration	All
Proximity Sensor	MV	189	4=High	1=Off, 2=Low, 3=Medium, 4=High		All

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
Custom Standby Text Color	MV	190	1=White	1=White, 2=Black		All
HMI Setpoint	MV	192	2=Slider	1=None, 2=Slider, 3=Buttons (Attached SP Only)	Display	All
Remote Device Access	MV	193	1=Disabled	1=Disabled, 2=Enabled	Lua Status	All
Halo Mode	MV	194	2=Heat/Cool	1=Disabled, 2=Heat/Cool		All
Button 1	MV	195	2=System Mode	1=Disabled, 2=System Mode, 3=Fan Mode	Display	All
Button 2	MV	196	3=Fan Mode	1=Disabled, 2=System Mode, 3=Fan Mode	Display	All
Info Item 1	MV	200	3=Humidity	1=Disabled, 2=Outdoor Air Temperature, 3=Humidity, 4=CO2 Level	Display	All
Info Item 2	MV	201	4=CO2 Level	1=Disabled, 2=Outdoor Air Temperature, 3=Humidity, 4=CO2 Level	Display	All
Info Item 3	MV	202	2=Outdoor Air Temperature	1=Disabled, 2=Outdoor Air Temperature, 3=Humidity, 4=CO2 Level	Display	All
Default Setpoints	MV	205	1=Disabled	1=Disabled, 2=Enabled	Setpoint Configuration	All
WiFi Security Type	MV	206	6=UNKNOWN SECURITY	1=WPA2 AES PSK, 2=WPA2 TKIP PSK, 3=WPA2 MIXED PSK, 4=WPA3 SAE, 5=WPA3 WPA2 PSK, 6=UNKNOWN SECURITY		All
BBMD Status	MV	207	1=Offline	1=Offline, 2=DNS Lookup, 3=DNS Fail, 4=Registering, 5=Registered, 6=Registration Failed		All
Wireless Device 1 - Function	MV	210	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 2 - Function	MV	220	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 3 - Function	MV	230	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 4 - Function	MV	240	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 5 - Function	MV	250	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 6 - Function	MV	260	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 7 - Function	MV	270	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 8 - Function	MV	280	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 9 - Function	MV	290	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 10 - Function	MV	300	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 11 - Function	MV	310	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 12 - Function	MV	320	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 13 - Function	MV	330	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All

Object Name	BACnet		Default Value	Range Value	Room Controller	
	Type	Inst.			Screen Name	Model(s)
Wireless Device 14 - Function	MV	340	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 15 - Function	MV	350	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 16 - Function	MV	360	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 17 - Function	MV	370	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 18 - Function	MV	380	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 19 - Function	MV	390	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All
Wireless Device 20 - Function	MV	400	6=Remove	1=None, 2=Window, 3=Door, 4=Motion, 5=Env. data, 6=Remove, 7=Water, 8=Refrig., 9=Freezer		All

Program Objects

Object Name	Instance	Description
Lua Program 1	1	Monitors and controls the internal LUA4RC script. Note: Script can be read/written via "File Objects" on page <?>.