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Honeywell ComfortPoint™ Open IRM Controller Protocol Implementation Conformance Statement (PICS)

Topic: BACnet Protocol Implementation Conformance Statement (PICS)
Date: July 2017
Version: 6.0
Applicable Products: ComfortPoint™ Open IRM Controller,
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Honeywell ComfortPoint™ Open IRM Controller

Annex A - Protocol Implementation Conformance Statement

Date: 18th, July 2017

Vendor ID: 17

Vendor Name: Honeywell International Inc.

Product Name: Honeywell ComfortPoint™ Open IRM Controller

Product Model Number: CPO-RL1, CPO-RL2, CPO-RL3, CPO-RL4, CPO-RL5, CPO-RL6, CPO-RL7U, CPO-RL8, CPO-RS1, CPO-RS2, CPO-RS3, CPO-RS4, CPO-RS5, CPO-RS6, TR-RS4, TR-RS5, PCD7.LRL2, PCD7.LRS4, PCD7.LRS5, CLMERL2, CLMERL8, CLMERS4, CLMERL6, CLMERS5, AL-RL2, AL-RL4, AL-RS4

Applications Software Version: 5.0

Firmware Revision: 3.2.5

BACnet Protocol Revision: 12

Product Description and Intended Use:

The CPO-R controller is a BACnet-compliant HVAC room controller offering comprehensive installation advantages, such as universal mounting options and the capability to directly connect and power field devices. Fast and easy single person commissioning on smartphone and tablet is possible via the 'RoomUp' application. Proven configurable applications can be used in 2- and 4-pipe systems. Fan coil units, chilled ceilings, hydronic and underfloor heating installations, air quality control, and a mix of these applications can be covered in a single controller.

BACnet Standardized Device Profile (Annex L):

- BACnet Operator Workstation (B-OWS)
- BACnet Advanced Operator Workstation (B-AWS)
- BACnet Operator Display (B-OD)
- BACnet Building Controller (B-BC)
- BACnet Advanced Application Controller (B-AAC)
- BACnet Application Specific Controller (B-ASC)
- BACnet Smart Sensor (B-SS)
- BACnet Smart Actuator (B-SA)

BACnet Interoperability Building Blocks Supported (Annex K):

Data Sharing	Read Property-B	DS-RP-B
	Read Property Multiple-B	DS-RPM-B
	Write Property-B	DS-WP-B
	Write Property Multiple-B	DS-WPM-B
	Change Of Value-B	DS-COV-B
	Alarm & Event Management	Notification Internal-B
Acknowledgement-B		AE-ACK-B
Alarm Summary-B		AE-ASUM-B
Event Information –B		AE-INFO-B
Scheduling Internal-B		SCHED-I-B
Device & Network Management	Dynamic Device Binding-A	DM-DDB-A
	Dynamic Device Binding-B	DM-DDB-B
	Dynamic Object Binding-B	DM-DOB-B
	Device Communication Control-B	DM-DCC-B
	Time Synchronization-B	DM-TS-B

	UTC Time Synchronization-B	DM-UTC-B
	Reinitialize Device-B	DM-RD-B
	Back-up and Restore-B	DM-BR-B
	List Manipulation-B	DM-LM-B

Following device binding methods Supported by the controller

- Send Who-Is, receive I-Am (BIBB DM-DDB-A)
- Receive Who-Is, send I-Am (BIBB DM-DDB-B)
- Send Who-Has, receive I-Have (BIBB DM-DOB-A)
- Receive Who-Has, send I-Have (BIBB DM-DOB-B)
- Manual configuration of recipient device's network number and MAC address
- None of the above

Segmentation Capability:

- Able to transmit segmented messages no Window Size ____
- Able to receive segmented messages no Window Size ____

Data Link Layer Options:

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ISO 8802-3, Ethernet (Clause 7)
- ANSI/ATA 878.1, 2.5 Mb. ARCNET (Clause 8)
- ANSI/ATA 878.1, RS-485 ARCNET (Clause 8), baud rate(s)
- MS/TP master (Clause 9), baud rate(s): 9.6k, 19.2k, 38.4k, 57.6k,76.8k,115.2k bps
- MS/TP slave (Clause 9), baud rate(s):
- Point-To-Point, EIA 232 (Clause 10), baud rate(s):
- Point-To-Point, modem, (Clause 10), baud rate(s):
- LonTalk, (Clause 11), medium:
- BACnet/ZigBee (Annex O)
- Other:

Device Address Binding:

Is static device binding supported?
 (This is currently necessary for two-way communication with MS/TP slaves and certain other devices.)
 Yes No

Networking Options:

- Router, Clause 6 - BACnet IP (Annex J) - MS/TP.
- Annex H, BACnet Tunneling Router over IP
- BACnet/IP Broadcast Management Device (BBMD)
 - Does the BBMD support registrations by Foreign Devices Yes No
 - Does the BBMD support network address translation? Yes No

Character Sets Supported:

Indicating support for multiple character sets does not imply that they can all be supported simultaneously.

- ISO 10646 (UTF-8)

- IBM™/Microsoft™ DBCS
- JIS X 0208
- ISO 10646 (UCS-4)
- ISO 10646 (UCS-2)
- ISO 8859-1

If this product is a communication gateway, describe the types of non-BACnet equipment/networks that the gateway supports:

N/A

Network Security Options

- Non-secure Device – is capable of operating without BACnet Network Security
- Secure Device – is capable of using BACnet Network Security (NS-SD BIBB)
 - Multiple Application-Specific Keys
 - Supports Encryption (NS-ED BIBB)
 - Key Server (NS-KS BIBB)

Standard Object Types Supported:

	Object supported	Object dynamically creatable	Object dynamically deletable
ANALOG_INPUT	Y	N	N
ANALOG_OUTPUT *	Y	N	N
ANALOG_VALUE	Y	N	N
AVERAGING	N	N	N
BINARY_INPUT	Y	N	N
BINARY_OUTPUT **	Y	N	N
BINARY_VALUE	Y	N	N
CALENDAR	Y	N	N
COMMAND	N	N	N
DEVICE	Y	N	N
EVENT_ENROLLMENT	N	N	N
FILE	Y	N	N
GROUP	N	N	N
LOOP	N	N	N
LIFE_SAFETY_DEVICE	N	N	N
LIFE_SAFETY_ZONE	N	N	N
MULTISTATE_INPUT	N	N	N
MULTISTATE_OUTPUT	N	N	N
MULTISTATE_VALUE	Y	N	N
NOTIFICATION_CLASS	Y	N	N
PROGRAM	N	N	N
SCHEDULE	Y	N	N
TRENDLOG	N	N	N
ACCUMULATOR	Y	N	N
PULSE CONVERTER	N	N	N

* * CPO-RS3 does not support AO

** CPO-RS1 does not support BO

Standard Objects and Properties Supported:

Accumulatore Object

Readable Properties	Writable Properties
OBJECT_IDENTIFIRE	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	PRESENT_VALUE
STATUS_FLAGS	
EVENT_STATE	
OUT_OF_SERVICE	OUT_OF_SERVICE
SCALE	
UNITS	
MAX_PRES_VALUE	MAX_PRES_VALUE
DESCRIPTION	
RELIABILITY	
PRESCALE	
VALUE_CHANGE_TIME	
VALUE_BEFORE_CHANGE	
VALUE_SET	VALUE_SET
PULSE_RATE	
HIGH_LIMIT	HIGH_LIMIT
LOW_LIMIT	LOW_LIMIT
LIMIT_MONITORING_INTERVAL	
NOTIFICATION_CLASS	
TIME_DELAY	TIME_DELAY
LIMIT_ENABLE	LIMIT_ENABLE
EVENT_ENABLE	EVENT_ENABLE
ACKED_TRANSITIONS	
NOTIFY_TYPE	NOTIFY_TYPE
EVENT_TIME_STAMPS	

Analog Input Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	PRESENT_VALUE
STATUS_FLAGS	
EVENT_STATE	
OUT_OF_SERVICE	OUT_OF_SERVICE
UNITS	
DESCRIPTION	
RELIABILITY	
COV_INCREMENT	COV_INCREMENT
TIME_DELAY	TIME_DELAY
NOTIFICATION_CLASS	
HIGH_LIMIT	HIGH_LIMIT
LOW_LIMIT	LOW_LIMIT

DEADBAND	DEADBAND
LIMIT_ENABLE	LIMIT_ENABLE
EVENT_ENABLE	EVENT_ENABLE
ACKED_TRANSITIONS	
NOTIFY_TYPE	NOTIFY_TYPE
EVENT_TIME_STAMPS	

Analog Output Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	PRESENT_VALUE
STATUS_FLAGS	
EVENT_STATE	
OUT_OF_SERVICE	OUT_OF_SERVICE
UNITS	
PRIORITY_ARRAY	
RELINQUISH_DEFAULT	RELINQUISH_DEFAULT
DESCRIPTION	
RELIABILITY	
COV_INCREMENT	COV_INCREMENT
TIME_DELAY	TIME_DELAY
NOTIFICATION_CLASS	
HIGH_LIMIT	HIGH_LIMIT
LOW_LIMIT	LOW_LIMIT
DEADBAND	DEADBAND
LIMIT_ENABLE	LIMIT_ENABLE
EVENT_ENABLE	EVENT_ENABLE
ACKED_TRANSITIONS	
NOTIFY_TYPE	NOTIFY_TYPE
EVENT_TIME_STAMPS	

Analog Value Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	PRESENT_VALUE
STATUS_FLAGS	
EVENT_STATE	
OUT_OF_SERVICE	OUT_OF_SERVICE
UNITS	
DESCRIPTION	
RELIABILITY	
COV_INCREMENT	COV_INCREMENT
TIME_DELAY	TIME_DELAY
NOTIFICATION_CLASS	
HIGH_LIMIT	HIGH_LIMIT
LOW_LIMIT	LOW_LIMIT

DEADBAND	DEADBAND
LIMIT_ENABLE	LIMIT_ENABLE
EVENT_ENABLE	EVENT_ENABLE
ACKED_TRANSITIONS	
NOTIFY_TYPE	NOTIFY_TYPE
EVENT_TIME_STAMPS	
PRIORITY_ARRAY	
RELINQUISH_DEFAULT	RELINQUISH_DEFAULT

Binary Input Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	PRESENT_VALUE
STATUS_FLAGS	
EVENT_STATE	
OUT_OF_SERVICE	OUT_OF_SERVICE
POLARITY	
DESCRIPTION	
RELIABILITY	
INACTIVE_TEXT	
ACTIVET_TEXT	
ELAPSED_ACTIVE_TIME	ELAPSED_ACTIVE_TIME
TIME_OF_ACTIVE_TIME_RESET	
TIME_DELAY	TIME_DELAY
NOTIFICATION_CLASS	
ALARM_VALUE	ALARM_VALUE
EVENT_ENABLE	EVENT_ENABLE
ACKED_TRANSITIONS	
NOTIFY_TYPE	NOTIFY_TYPE
EVENT_TIME_STAMPS	

Binary Output Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	PRESENT_VALUE
STATUS_FLAGS	
EVENT_STATE	
OUT_OF_SERVICE	OUT_OF_SERVICE
POLARITY	
PRIORITY_ARRAY	
RELINQUISH_DEFAULT	RELINQUISH_DEFAULT
DESCRIPTION	
RELIABILITY	
INACTIVE_TEXT	
ACTIVET_TEXT	
ELAPSED_ACTIVE_TIME	ELAPSED_ACTIVE_TIME
TIME_OF_ACTIVE_TIME_RESET	

Binary Value Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	PRESENT_VALUE
STATUS_FLAGS	
EVENT_STATE	
OUT_OF_SERVICE	OUT_OF_SERVICE
DESCRIPTION	
RELIABILITY	
INACTIVE_TEXT	
ACTIVET_TEXT	
ELAPSED_ACTIVE_TIME	ELAPSED_ACTIVE_TIME
TIME_OF_ACTIVE_TIME_RESET	
TIME_DELAY	TIME_DELAY
NOTIFICATION_CLASS	
ALARM_VALUE	ALARM_VALUE
EVENT_ENABLE	EVENT_ENABLE
ACKED_TRANSITIONS	
NOTIFY_TYPE	NOTIFY_TYPE
EVENT_TIME_STAMPS	
PRIORITY_ARRAY	
RELINQUISH_DEFAULT	RELINQUISH_DEFAULT

Calendar Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	
DATE_LIST	DATE_LIST
DESCRIPTION	

Device Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
SYSTEM_STATUS	
VENDOR_NAME	
VENDOR_IDENTIFIER	
MODEL_NAME	
FIRMWARE_REVISION	
APPLICATION_SOFTWARE_VERSION	
PROTOCOL_VERSION	
PROTOCOL_REVISION	
PROTOCOL_SERVICES_SUPPORTED	
PROTOCOL_OBJECT_TYPES_SUPPORTED	
OBJECT_LIST	
MAX_APDU_LENGTH_ACCEPTED	
SEGMENTATION_SUPPORTED	

APDU_TIMEOUT	APDU_TIMEOUT
NUMBER_OF_APDU_RETRIES	
DEVICE_ADDRESS_BINDING	
DATABASE_REVISION	
LOCATION	
DESCRIPTION	
LOCAL_TIME	
LOCAL_DATE	
UTC_OFFSET	
DAYLIGHT_SAVING_STATUS	
MAX_MASTERS	MAX_MASTERS
MAX_INFO_FRAMES	
CONFIGURATION_FILES	
LAST_RESTORE_TIME	
BACKUP_FAILURE_TIMEOUT	BACKUP_FAILURE_TIMEOUT
ACTIVE_COV_SUBSCRIPTIONS	
BACKUP_AND_RESTORE_STATE	
TIME_OF_DEVICE_RESTART	
SERIAL_NUMBER	

File Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
FILE_TYPE	
FILE_SIZE	FILE_SIZE
MODIFICATION_DATE	
ARCHIVE	ARCHIEVE
READ_ONLY	
FILE_ACCESS_METHOD	
DESCRIPTION	

Multi-State Value Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	PRESENT_VALUE
STATUS_FLAGS	
EVENT_STATE	
OUT_OF_SERVICE	OUT_OF_SERVICE
DESCRIPTION	
RELIABILITY	
STATE_TEXT	
PRIORITY_ARRAY	
RELINQUISH_DEFAULT	RELINQUISH_DEFAULT
TIME_DELAY	TIME_DELAY
NOTIFICATION_CLASS	
ALARM_VALUES	ALARM_VALUES
FAULT_VALUES	FAULT_VALUES
EVENT_ENABLE	EVENT_ENABLE

ACKED_TRANSITIONS	
NOTIFY_TYPE	NOTIFY_TYPE
EVENT_TIME_STAMPS	
NUMBER_OF_STATES	

Notification Class Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
NOTIFICATION_CLASS	
PRIORITY	PRIORITY
RECIPIENT_LIST	RECIPIENT_LIST
ACK_REQUIRED	ACK_REQUIRED
DESCRIPTION	

Schedule Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIER	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	PRESENT_VALUE
EFFECTIVE_PERIOD	EFFECTIVE_PERIOD
LIST_OF_OBJECT_PROPERTY_REFERENCE	LIST_OF_OBJECT_PROPERTY_REFERENCE
PRIORITY_FOR_WRITING	PRIORITY_FOR_WRITING
STATUS_FLAGS	
RELIABILITY	
OUT_OF_SERVICE	OUT_OF_SERVICE
SCHEDULE_DEFAULT	SCHEDULE_DEFAULT
DESCRIPTION	
WEEKLY_SCHEDULE	WEEKLY_SCHEDULE
EXCEPTION_SCHEDULE	EXCEPTION_SCHEDULE

Proprietary Objects and Properties Supported:

Device Object:

Proprietary Properties Name	Proprietary Property Value	Data Type	Readable	Writable
Proprietary Objects List	516	BACnetObjectIdentifier	Y	N
MSTP Baudrate	520	Unsigned	Y	Y
RACL cycle time	529	Unsigned	Y	N
Daylight savings	552	BOOLEAN	Y	Y
TZ Regions	553	CharacterString	Y	Y
MAC Id	567	Unsigned	Y	N
MAC Min	568	Unsigned	Y	N
MAC Max	569	Unsigned	Y	N
Big endian strings	574	BOOLEAN	Y	N
Controller state	1012	Enumerated	Y	N
Commissioning Status	1055	OctetString	Y	Y
Application Version	1056	CharacterString	Y	N

Analog Input Object:

Proprietary Properties Name	Proprietary Property Value	Data Type	Readable	Writable
Plant reference	512	CharacterString	Y	N
Tech Address	532	CharacterString	Y	N
Sensor Offset	533	Real	Y	Y
Flexlink	1013	BACnetObjectIdentifier	Y	N
Characteristic	1057	Unsigned	Y	Y
M/S Participation	1046	BOOLEAN	Y	N
M/S Direction 0=SM 1=MS	1047	BOOLEAN	Y	N
M/S Aggregation 0=Loc 1=Avg 2=Sum 3=Min 4=Max 5=Lst	1048	Enumerated	Y	N
M/S Local	1049	Real	Y	N
M/S Average	1050	Real	Y	N
M/S Sum	1051	Real	Y	N
M/S Min	1052	Real	Y	N
M/S Max	1053	Real	Y	N
M/S Last Win	1053	Real	Y	N

Analog Output Object:

Proprietary Properties Name	Proprietary Property Value	Data Type	Readable	Writable
Plant reference	512	CharacterString	Y	N
Tech Address	532	CharacterString	Y	N
Flexlink	1013	BACnetObjectIdentifier	Y	N
Characteristic	1057	Unsigned	Y	Y
M/S Participation	1046	BOOLEAN	Y	N
M/S Direction 0=SM 1=MS	1047	BOOLEAN	Y	N
M/S Aggregation 0=Loc 1=Avg 2=Sum 3=Min 4=Max 5=Lst	1048	Enumerated	Y	N

Analog Value Object:

Proprietary Properties Name	Proprietary Property Value	Data Type	Readable	Writable
Plant reference	512	CharacterString	Y	N
Flexlink	1013	BACnetObjectIdentifier	Y	N
M/S Participation	1046	BOOLEAN	Y	N
M/S Direction 0=SM 1=MS	1047	BOOLEAN	Y	N
M/S Aggregation 0=Loc 1=Avg 2=Sum 3=Min 4=Max 5=Lst	1048	Enumerated	Y	N
M/S Local	1049	Real	Y	N
M/S Average	1050	Real	Y	N
M/S Sum	1051	Real	Y	N
M/S Min	1052	Real	Y	N
M/S Max	1053	Real	Y	N
M/S Last Win	1053	Real	Y	N

Binary Input Object:

Proprietary Properties Name	Proprietary Property Value	Data Type	Readable	Writable
Plant reference	512	CharacterString	Y	N
Tech Address	532	CharacterString	Y	N
Flexlink	1013	BACnetObjectIdentifier	Y	N
M/S Participation	1046	BOOLEAN	Y	N
M/S Direction 0=SM 1=MS	1047	BOOLEAN	Y	N
M/S Aggregation 0=Loc 1=Avg 2=Sum 3=Min 4=Max 5=Lst	1048	Enumerated	Y	N
M/S Local	1049	Enumerated	Y	N
M/S Min	1052	Enumerated	Y	N
M/S Max	1053	Enumerated	Y	N
M/S Last Win	1053	Enumerated	Y	N

Binary Output Object:

Proprietary Properties Name	Proprietary Property Value	Data Type	Readable	Writable
Plant reference	512	CharacterString	Y	N
Tech Address	532	CharacterString	Y	N
Flexlink	1013	BACnetObjectIdentifier	Y	N
M/S Participation	1046	BOOLEAN	Y	N
M/S Direction 0=SM 1=MS	1047	BOOLEAN	Y	N
M/S Aggregation 0=Loc 1=Avg 2=Sum 3=Min 4=Max 5=Lst	1048	Enumerated	Y	N

Binary Value Object:

Proprietary Properties Name	Proprietary Property Value	Data Type	Readable	Writable
Plant reference	512	CharacterString	Y	N
Flexlink	1013	BACnetObjectIdentifier	Y	N
M/S Participation	1046	BOOLEAN	Y	N
M/S Direction 0=SM 1=MS	1047	BOOLEAN	Y	N
M/S Aggregation 0=Loc 1=Avg 2=Sum 3=Min 4=Max 5=Lst	1048	Enumerated	Y	N
M/S Local	1049	Enumerated	Y	N
M/S Min	1052	Enumerated	Y	N
M/S Max	1053	Enumerated	Y	N
M/S Last Win	1053	Enumerated	Y	N

MultiState Value Object:

Proprietary Properties Name	Proprietary Property Value	Data Type	Readable	Writable
Plant reference	512	CharacterString	Y	N

Flexlink	1013	BACnetObjectIdentifier	Y	N
M/S Participation	1046	BOOLEAN	Y	N
M/S Direction 0=SM 1=MS	1047	BOOLEAN	Y	N
M/S Aggregation 0=Loc 1=Avg 2=Sum 3=Min 4=Max 5=Lst	1048	Enumerated	Y	N
M/S Local	1049	Enumerated	Y	N
M/S Min	1052	Enumerated	Y	N
M/S Max	1053	Enumerated	Y	N
M/S Last Win	1053	Enumerated	Y	N

Analog Flag Object:

Proprietary Object Name	Proprietary Object Value
Analog Flag Object	130

Standard and Proprietary Properties Name	Standard and Proprietary Property Value	Data Type	Readable	Writable
Object Identifier	75	BACnetObjectIdentifier	Y	N
Object Name	77	CharacterString	Y	N
Object Type	79	Enumerated	Y	N
Present Value	85	Real	Y	Y
Relinquish Default	104	Real	Y	Y
Plant reference	512	CharacterString	Y	N
Flexlink	1013	BACnetObjectIdentifier	Y	N

Binary Flag Object:

Proprietary Object Name	Proprietary Object Value
Binary Flag Object	131

Standard and Proprietary Properties Name	Standard and Proprietary Property Value	Data Type	Readable	Writable
Object Identifier	75	BACnetObjectIdentifier	Y	N
Object Name	77	CharacterString	Y	N
Object Type	79	Enumerated	Y	N
Present Value	85	Enumerated	Y	Y
Relinquish Default	104	Enumerated	Y	Y
Plant reference	512	CharacterString	Y	N
Flexlink	1013	BACnetObjectIdentifier	Y	N

Parameter Object:

Proprietary Object Name	Proprietary Object Value
Parameter Object	132

Standard and Proprietary Properties Name	Standard and Proprietary Property Value	Data Type	Readable	Writable
Object Identifier	75	BACnetObjectIdentifier	Y	N

Object Name	77	CharacterString	Y	N
Object Type	79	Enumerated	Y	N
Present Value	85	Real	Y	Y
RACL Module Id	522	Unsigned	Y	N
RACL Parameter Index	523	Unsigned	Y	N
RACL Contrloop Name	524	CharacterString	Y	N

Input Terminal Object:

Proprietary Object Name	Proprietary Object Value
Input Terminal Object	149

Standard and Proprietary Properties Name	Standard and Proprietary Property Value	Data Type	Readable	Writable
Object Identifier	75	BACnetObjectIdentifier	Y	N
Object Name	77	CharacterString	Y	N
Object Type	79	Enumerated	Y	N
Present Value	85	Real	Y	Y
Sensor Type Reference	1025	Unsigned	Y	N
Number Of 0_1 Transitions	1030	Unsigned	Y	N
Allowed Sensor Types	1031	Unsigned	Y	N

Binary Output Terminal Object:

Proprietary Object Name	Proprietary Object Value
BO Terminal Object	150

Standard and Proprietary Properties Name	Standard and Proprietary Property Value	Data Type	Readable	Writable
Object Identifier	75	BACnetObjectIdentifier	Y	N
Object Name	77	CharacterString	Y	N
Object Type	79	Enumerated	Y	N
Present Value	85	Enumerated	Y	Y
Overridden	1026	Enumerated	Y	N

Analog Output Terminal Object:

Proprietary Object Name	Proprietary Object Value
AO Terminal Object	151

Standard and Proprietary Properties Name	Standard and Proprietary Property Value	Data Type	Readable	Writable
Object Identifier	75	BACnetObjectIdentifier	Y	N
Object Name	77	CharacterString	Y	N
Object Type	79	Enumerated	Y	N
Present Value	85	Real	Y	Y
Pwm Period	1017	Real	Y	N

Floating BO Terminal Reference Close	1018	BACnetObjectIdentifier	Y	N
Floating BO Terminal Reference Open	1019	BACnetObjectIdentifier	Y	N
Floating Runtime Close	1020	Real	Y	N
Floating Runtime Open	1021	Real	Y	N
Floating Move Hysteresis	1022	Real	Y	N
Voltage Output Number	1027	Unsigned	Y	N
PWM BO Terminal Reference	1029	BACnetObjectIdentifier	Y	N
Floating Power Up Sync	1032	Unsigned	Y	N
Floating Underdrive Repeat Time	1033	Unsigned	Y	N
Floating Synch to Open/Close	1037	Unsigned	Y	N
Floating Underdrive Repeat Count	1038	Unsigned	Y	N
Weekly Exercising Enable	1023	BOOLEAN	Y	Y
Weekly Exercising State	1024	BOOLEAN	Y	N

MultiState Output Terminal Object:

Proprietary Object Name	Proprietary Object Value
MS Terminal Object	152

Standard and Proprietary Properties Name	Standard and Proprietary Property Value	Data Type	Readable	Writable
Object Identifier	75	BACnetObjectIdentifier	Y	N
Object Name	77	CharacterString	Y	N
Object Type	79	Enumerated	Y	N
Present Value	85	Enumerated	Y	Y
Operation Mode	1072	Unsigned	Y	N
BO Terminal References	1073	BACnetObjectIdentifier	Y	N
Stage Values	1074	Unsigned	Y	N
Stage Hysteresis	1075	Unsigned	Y	N
Min On Time	1076	Unsigned	Y	N
Min Off Time	1077	Unsigned	Y	N

Plant Object:

Proprietary Object Name	Proprietary Object Value
Plant Object	153

Standard and Proprietary Properties Name	Standard and Proprietary Property Value	Data Type	Readable	Writable
Object Identifier	75	BACnetObjectIdentifier	Y	N
Object Name	77	CharacterString	Y	N
Object Type	79	Enumerated	Y	N
Plant ID	1039	Unsigned	Y	N
Local zone UID	1040	Unsigned	Y	N

Local zone name	1041	CharacterString	Y	N
Master plant ID	1042	Unsigned	Y	N
Master device instance	1043	Unsigned	Y	N
Slave list	1044	SlaveList (250)	Y	N

Sylk Wallmodule Object:

Proprietary Object Name	Proprietary Object Value
Sylk Wallmodule Object	156

Standard and Proprietary Properties Name	Standard and Proprietary Property Value	Data Type	Readable	Writable
Object Identifier	75	BACnetObjectIdentifier	Y	N
Object Name	77	CharacterString	Y	N
Object Type	79	Enumerated	Y	N
Wallmodule Address	1062	Unsigned	Y	N
Wallmodule Type	1063	Unsigned	Y	N
Wallmodule Disable	1064	BOOLEAN	Y	N

Sylk Terminal Object:

Proprietary Object Name	Proprietary Object Value
Sylk Terminal Object	157

Standard and Proprietary Properties Name	Standard and Proprietary Property Value	Data Type	Readable	Writable
Object Identifier	75	BACnetObjectIdentifier	Y	N
Object Name	77	CharacterString	Y	N
Object Type	79	Enumerated	Y	N
Present Value	85	Real	Y	Y
Local PVID	1065	Unsigned	Y	N
Direction	1066	BOOLEAN	Y	N
Writepriority	1067	Unsigned	Y	Y