



**600-3 PICS APPLICABLE AUX MISE EN ŒUVRE D'AUTOMATISMES DES
LIEUX SOUS ENVIRONNEMENT HONEYWELL EBI**

Les pages suivantes contiennent le document original :

**Honeywell BACnet PICS
EBI R500**

**Honeywell BACnet PICS
Comfort Point Open Unitary Controller**

June 2017

Enterprise Buildings Integrator R500 Protocol Implementation Conformance Statement (PICS)

Topic: BACnet Protocol Implementation
Conformance Statement (PICS)
Date: June 2017
Version 1
Applicable Products Honeywell Enterprise Buildings Integrator

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Honeywell Enterprise Buildings Integrator

BACnet Protocol Implementation Conformance Statement

Date: 15 June 2017

Vendor ID: 17

Vendor Name: Honeywell International, Inc.

Product Name: Honeywell Enterprise Buildings Integrator™

Product Model Number: R500

Applications Software Version: 1012.0.0

Firmware Revision: R500.1

BACnet Protocol Revision: 1.12

Product Description:

Honeywell Enterprise Buildings Integrator™ BACnet Workstation.

Note: this product cannot be used to modify BACnet objects on sites requiring UL Classification.

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	Data Sharing - ReadProperty-A	DS-RP-A
	Data Sharing - ReadProperty-B	DS-RP-B
	Data Sharing - ReadPropertyMultiple-A	DS-RPM-A
	Data Sharing - WriteProperty-A	DS-WP-A
	Data Sharing - WriteProperty-B	DS-WP-B
	Data Sharing - WritePropertyMultiple-A	DS-WPM-A
	Data Sharing - COV-A	DS-COV-A
	Data Sharing - COVP-A	DS-COVP-A
	Data Sharing - COV-Unsubscribed-A	DS-COVU-A
	Data Sharing - View-A	DS-V-A
	Data Sharing - Advanced View-A	DS-AV-A
	Data Sharing - Modify-A	DS-M-A
	Data Sharing - Advanced Modify - A	DS-AM-A
Alarm & Event Management	Alarm and Event - Notification-A	AE-N-A
	Alarm and Event - ACK-A	AE-ACK-A

	Alarm and Event - Alarm Summary View-A	AE-AS-A
	Alarm and Event - LifeSafety - A	AE-LS-A
	Alarm and Event Management - View Notifications-A	AE-VN-A
	Alarm and Event Management - Advanced View Notifications-A	AE-AVN-A
	Alarm and Event Management - View and Modify-A	AW-VM-A
	Alarm and Event Management - Advanced View and Modify-A	AE-AVM-A
	Alarm and Event Management - Alarm Summary View-A	AE-AS-A
	Alarm and Event Management - Event Log View-A	AE-ELV-A
	Alarm and Event Management - Event Log View and Modify-A	AE-ELVM-A
Scheduling	Scheduling - Advanced View and Modify-A	SCHED-AVM-A
	Scheduling - View and Modify-A	SCHED-VM-A
	Scheduling - Weekly Schedule-A	SCHED-WS-A
Trending	Trending - Automated Trend Retrieval-A	T-ATR-A
	Trending - Automated Multiple Value Retrieval-A	T-AMVR-A
	Trending - View-A	T-V-A
	Trending - Advanced View and Modify-A	T-AVM-A
	Trending - Archival-A	T-A-A
Device & Network Management	Device Management - Dynamic Device Binding-A	DM-DDB-A
	Device Management - Dynamic Device Binding-B	DM-DDB-B
	Device Management - Dynamic Object Binding-A	DM-DOB-A
	Device Management - Dynamic Object Binding-B	DM-DOB-B
	Device Management - Device Communication Control-A	DM-DCC-A
	Device Management - TimeSynchronization-A	DM-TS-A
	Device Management - UTCTimeSynchronization-A	DM-UTC-A
	Device Management - ReinitializeDevice-A	DM-RD-A
	Device Management - Backup and Restore-A	DM-BR-A
	Device Management - Restart-A	DM-R-A
	Device Management - List Manipulation-A	DM-LM-A
	Device Management - Object Creation and Deletion-A	DM-OCD-A
	Network Management - Connection Establishment-A	NM-CE-A
	Device Management - Automated Network Mapping-A	DM-ANM-A
	Device Management - Automatic Device Mapping-A	DM-ADM-A
	Device Management - Automatic Time Synchronization-A	DM-ATS-A
	Device Management - Manual Time Synchronization-A	DM-MTS-A

Segmentation Capability:

Able to transmit segmented messages yes no Window Size 16
 Able to receive segmented messages yes no Window Size 16

Standard Object Types Supported:

Device Object:

Dynamically creatable? No
 Dynamically deletable? No

Property	Required	Required by BIBB	Optional	Writable
Object_Identifier	✓			
Object_Name	✓			
Object_Type	✓			
System_Status	✓			
Vendor_Name	✓			
Vendor_Identifier	✓			
Model_Name	✓			
Firmware_Revision	✓			
Application_Software_Version	✓			
Location			✓	
Description			✓	
Protocol_Version	✓			
Protocol_Revision	✓			
Protocol_Services_Supported	✓			
Protocol_Object_Types_Supported	✓			
Object_List	✓			
Max_APDU_Length_Accepted		✓		
Segmentation_Supported		✓		
Max_Segments_Accepted		✓		
Local_Time		✓		
Local_Date		✓		
UTC_Offset		✓		
Daylight_Savings_Status		✓		
APDU_Segment_Timeout		✓		
APDU_Timeout	✓			
Number_Of_APDU_Retries	✓			
Time_Synchronization_Recipients		✓		✓
Device_Address_Binding	✓			
Database_Revision	✓			
Backup_Failure_Timeout	✓			✓
UTC_Time_Synchronization_Recipients		✓		✓
Time_Synchronization_Interval		✓		✓
Align_Intervals		✓		✓
Interval_Offset		✓		✓

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):

- 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 - List all routing configurations, e.g., ARCNET-Ethernet, Ethernet-MS/TP, etc.
- 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 ISO 8859-1
- ISO 10646 (UCS-2) ISO 10646 (UCS-4) JIS X 0208

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

Not a gateway

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)

Object Types Viewable and Modifiable from EBI

Object type	Viewable	Modifiable
Analog Input	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Analog Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Analog Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Binary Input	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Binary Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Binary Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Calendar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Command	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Device	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Event Enrollment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
File	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Group	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Loop	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi State Input	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi State Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Notification Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Program	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Schedule	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Averaging	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi State Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Trend Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Life Safety Point	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Life Safety Zone	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Accumulator	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pulse Converter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Event Log	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Global Group	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Trend Log Multiple	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load Control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Structured View	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Access Door	<input type="checkbox"/>	<input type="checkbox"/>
Access Credential	<input type="checkbox"/>	<input type="checkbox"/>
Access Point	<input type="checkbox"/>	<input type="checkbox"/>
Access Rights	<input type="checkbox"/>	<input type="checkbox"/>
Access User	<input type="checkbox"/>	<input type="checkbox"/>
Access Zone	<input type="checkbox"/>	<input type="checkbox"/>
Credential Data Input	<input type="checkbox"/>	<input type="checkbox"/>
Network Security	<input type="checkbox"/>	<input type="checkbox"/>
Bitstring Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Characterstring Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Data Pattern Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Date Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Datetime Pattern Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Datetime Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Integer Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Large Analog Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Octetstring Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Positive Integer Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time Pattern Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Time Value	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

January 2012

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

Topic: BACnet Protocol Implementation
Conformance Statement (PICS)
Date: February 2012
Version: 1.1
Applicable Products: ComfortPoint™ Open VAV (CP-VAV),
ComfortPoint™ Open SPC (CP-SPC)
Author: Li Ting

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Honeywell ComfortPoint™ Open Unitary Controller

Annex A - Protocol Implementation Conformance Statement

Date: 2nd Sep 2011

Vendor ID: 17

Vendor Name: Honeywell International Inc.

Product Name: Honeywell ComfortPoint™ Open Unitary Controller

Product Model Number: CP-VAV, CP-SPC

Applications Software Version: 2.00.00.89

Firmware Revision: ComfortPoint_VAV_v2.5.1

BACnet Protocol Revision: 7 (135-2008)

Product Description and Intended Use:

CP-VAV and CP-SPC are Native BACnet® fully programmable digital controller that communicate via BACnet Master-Slave/Token-Passing (MS/TP) Protocol. They are designed to meet the requirements of a BACnet B-AAC (BACnet Advanced Application Controller) profile providing support for calendar & schedule objects too.

CP-VAV controllers can be configured for both single and dual duct VAV applications and other variety of customized VAV applications.

Powerful and yet easily programmable, CP-SPC controllers can perform complex control, monitoring and energy management functions. This unitary controller is ideally suitable for FCU control and device input output monitoring.

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	AE-N-I-B
	Acknowledgement-B	AE-ACK-B
	Alarm Summary-B	AE-ASUM-B
	Event Information -B	AE-INFO-B
Scheduling	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 ⇒ no Window Size ____
 Able to receive segmented messages no ⇒ 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, 76.8k 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:
- 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 (3 MSTP Ports).
- Annex H, BACnet Tunneling Router over IP
- BACnet/IP Broadcast Management Device (BBMD)
 Does the BBMD support registrations by Foreign Devices? ⇒
 Yes
 No

Character Sets Supported:

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

- ANSI X3.4
- IBM™/Microsoft™ DBCS
- JIS C 6226
- ISO 10646 (UCS-4)
- ISO 10646 (UCS-2)
- ISO 8859-1

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

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_TRANSITION	
NOTIFY_TYPE	NOTIFY_TYPE
EVENT_TIME_STAMPS	

Analog Input 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
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_IDENTIFIRE	
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_IDENTIFIRE	
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_IDENTIFIRE	
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_IDENTIFIRE	
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_IDENTIFIRE	
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_IDENTIFIREFIRE	
OBJECT_NAME	
OBJECT_TYPE	
PRESENT_VALUE	
DATE_LIST	DATE_LIST
DESCRIPTION	

Device Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIREFIRE	
OBJECT_NAME	
OBJECT_TYPE	
SYSTEM_STATUS	
VENDOR_NAME	
VENDOR_IDENTIFIREFIRE	
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	

File Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIRE	
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_IDENTIFIRE	
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	

Notification Class Object:

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

Schedule Object:

Readable Properties	Writable Properties
OBJECT_IDENTIFIRE	
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