

PROTOCOL IMPLEMENTATION CONFORMANCE STATEMENT (PICS)

BBC-SD

Vendor Name: American Auto-Matrix
Product Name: BBC-SD
Product Model Number: BBC-SD
Firmware Revision: 1.01.13
BACnet Protocol Revision: 4

Product Description:

The BBC-SD is a compact, addressable network display device for MS/TP based BACnet networks. It enables users to quickly monitor their system and easily make changes to the way their building is controlled. The wall mounted product has a touch-screen operator interface with permission based menu icons, allowing simple navigation to read and write BACnet values, view alarms, grouped data, and point descriptions.

BACNET STANDARDIZED DEVICE PROFILE:

- BACnet Operator Workstation (B-OWS)
- 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 Other (B-OTHER)

BACNET INTEROPERABILITY BUILDING BLOCKS SUPPORTED:

| | | |
|----------|-----------|----------|
| DS-RP-A | AE-ASUM-B | DM-UTC-B |
| DS-RP-B | SCHED-A | DM-RD-B |
| DS-RPM-B | DM-DDB-B | |
| DS-WP-A | DM-DOB-B | |
| DS-WP-B | DM-DCC-B | |
| DS-WPM-B | DM-TS-B | |

SEGMENTATION CAPABILITY:

Able to transmit segmented messages yes no Window Size:

Able to receive segmented messages yes no Window Size:

STANDARD OBJECT TYPES SUPPORTED

Dynamically Creatable Objects

None

Dynamically Deletable Objects

None

Properties

Bold indicates writable properties

Italics indicates optional properties.:

Analog Value

object-identifier
object-name
object-type
present-value
status-flags
event-state
out-of-service
units

Binary Value

object-identifier
object-name
object-type
present-value
status-flags
event-state
out-of-service

Device

object_identifier
object_name
object_type
system_status
vendor_name
vendor_identifier
profile_name
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
local_time
local_date
utc_offset
daylight_savings_status
apdu_timeout
number_of_apdu_retries
max_master
max_info_frames
time-synchronization-recipients
device_address_binding
database_revision
profile-name

File

object_identifier
object_name
object_type
file_type
file_size
modification_date
archive
read_only
file_access_method

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
- 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? Yes No

(This is currently necessary for two-way communication with MS/TP slaves and certain other devices.)

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

CHARACTER SETS SUPPORTED

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

- | | |
|-----------------------------------------------|--------------------------------------------|
| <input checked="" type="checkbox"/> ANSI X3.4 | <input type="checkbox"/> ISO 10646 (UCS-4) |
| <input type="checkbox"/> IBM™/Microsoft™ DBCS | <input type="checkbox"/> ISO 10646 (UCS-2) |
| <input type="checkbox"/> JIS C 6226 | <input type="checkbox"/> ISO 8859-1 |

GATEWAY

The BBC-SD does not support gateway functionality for any types of non-BACnet equipment/network(s).