



# Portable BAS Router

## BACnet/IP to BACnet MS/TP Router

### BACnet Protocol Implementation Conformance Statement (Annex A)

**Date:** 19 August 2009  
**Vendor Name:** Contemporary Controls  
**Product Name:** Portable BAS Router  
**Product Model Number:** BASRTP-B  
**Applications Software Version:**                      **Firmware Revision:** 1.28                      **BACnet Protocol Revision:**  
**Product Description:** Device to route messages between BACnet/IP and MS/TP networks.

**BACnet Standardized Device Profile (Annex L):**

- |   |   |
|---|---|
| <input type="checkbox"/> BACnet Operator Workstation (B-OWS)            | <input type="checkbox"/> BACnet Application Specific Controller (B-ASC) |
| <input type="checkbox"/> BACnet Building Controller (B-BC)              | <input type="checkbox"/> BACnet Smart Sensor (B-SS)                     |
| <input type="checkbox"/> BACnet Advanced Application Controller (B-AAC) | <input type="checkbox"/> BACnet Smart Actuator (B-SA)                   |

**List all BACnet Interoperability Building Block Supported (Annex K):**

DS-RP-B Data Sharing — ReadProperty – B                      DM-DDB-B Device Management — Dynamic Device Binding – B

**Segmentation Capability:**

- |  |              |
|--|--------------|
| <input type="checkbox"/> Able to transmit segmented messages | Window Size: |
| <input type="checkbox"/> Able to receive segmented messages  | Window Size: |

**Standard Object Types Supported:**

Object Type Supported	Can Be Created Dynamically	Can Be Deleted Dynamically
Device	Yes	Yes

No optional properties are supported. **NOTE:** The above object is directed supported on the router. The router will pass to the appropriate network all BACnet communications not directed to the router.

**Data Link Layer Options:**

- BACnet IP, (Annex J)
- BACnet IP, (Annex J), Foreign Device
- ANSI/ATA 878.1, EIA-485 ARCNET (Clause 8), baud rate(s):
- MS/TP master (Clause 9), baud rate(s): 9600; 19,200; 38,400; 76,800
- 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–MS/TP routing
  - Annex H, BACnet Tunnelling 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"/> IBM™/Microsoft™ DBCS	<input type="checkbox"/> ISO 8859-1
<input type="checkbox"/> ISO 10646 (UCS-2)	<input type="checkbox"/> ISO 10646 (UCS-4)	<input type="checkbox"/> JIS C 6226

**If this product is a communication gateway, describe the types of non-BACnet equipment/network(s) that the gateway supports:**  
 No gateway support.