

BACnet® Protocol Implementation Conformance Statement (PICS)

March 2, 2018

Vendor Name: **Critical Room Control**
Product Name: **Integrated Room Controller (IRC)**
Product Model Numbers:

- IRC 14:10
- IRC 8:6
- IRC 6:6
- IRC 3:2



The IRC's BACnet communications has been tested and certified by BTL

Product Description:

The Integrated Room Controller (IRC) is an advanced controller designed to be configured to support advanced control sequencing for lab, health care and bio science applications. Its primary focus is to monitor and control a spaces environment via sensor inputs (analog inputs) and output to increase / decrease the levels of the element that is being controlled (analog outputs).

Its secondary focus is to communicate and integrate to other devices and systems via BACnet communication.

BIBBs Supported:

- DS-RP-B
- DS-RPM-B
- DS-WP-B
- DM-DDB-B
- DM-DOB-B
- DM-DCC-B
- DM-RD-B
- DS-COV-B

Standard Object Types Supported:

- Analog Value
- Binary Value
- Device

Data Link Layer Option: MS/TP master.

Baud rate(s): 9600, 19200, 38400, 57600, 76800, 115200

Default Property Value Restrictions:

- **unsigned-integer:** <minimum: 0; maximum: 4294967295>
- **signed-integer:** <minimum: -2147483647; maximum: 2147483647>
- **real:** <minimum: -3.40282347E38; maximum: 3.40282347E38; resolution: 1.0>
- **double:** <minimum: 2.2250738585072016E-38; maximum: 1.7976931348623157E38; resolution: 0.0001>
- **date:** <minimum: 01-January-1970; maximum: 31-December-2038>
- **octet-string:** <maximum length string: 122>
- **character-string:** <maximum length string: 122>
- **list:** <maximum length list: 1000>
- **variable-length-array:** <maximum length array: 10>

BACnet Standard Application Services Supported:

• ReadProperty	Execute
• ReadPropertyMultiple	Execute
• WriteProperty	Execute
• DeviceCommunicationControl	Execute
• Who-Has	Execute
• I-Have	Initiate
• Who-Is	Execute
• I-Am	Initiate
• ReinitializeDevice	Execute
• ConfirmedCOVNotification	Initiate
• UnconfirmedCOVNotification	Initiate
• SubscribeCOV	Execute

Character Sets Supported: ISO 10646 (UTF-8)

Maximum APDU size in octets: 128