



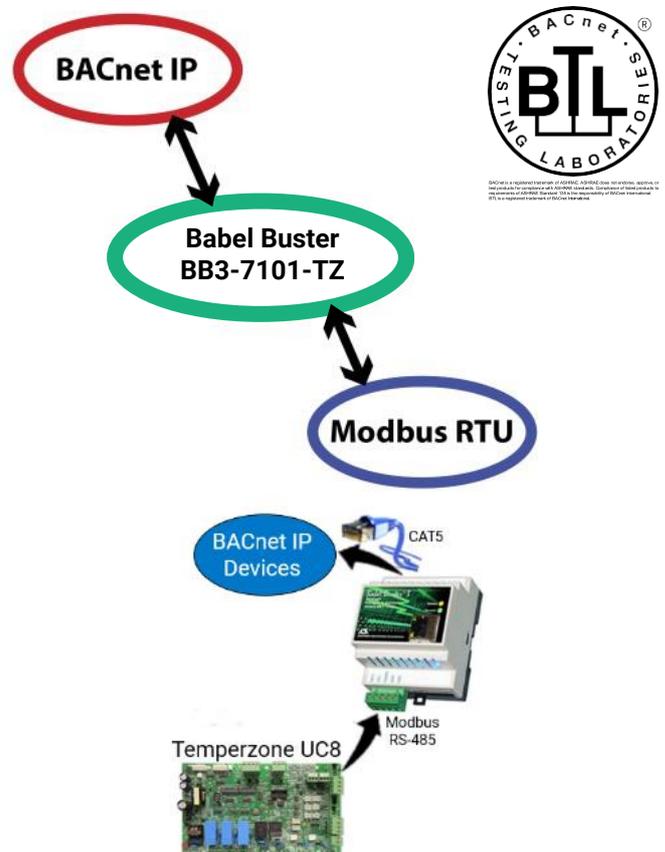
**Temperzone BB3-7101-TZ** is a BACnet IP client/server device that functions as a UC8 controller via Modbus RTU. A large number of BACnet objects gives you the freedom to control a Temperzone unit with ease.

Value objects will poll their assigned Modbus register at the interval specified. The content of the Modbus register will be given as the Present Value of the BACnet object when read. The Modbus register is written each time the BACnet Value object is written. The Value object corresponds well with the Modbus Holding register.

Input objects will poll their assigned Modbus register at the interval specified, and provide the Modbus data as the Present Value when read. Commandable Output objects are used to write Modbus registers, and will update the Modbus device each time BACnet is updated.

## Babel Buster BB3-7101-TZ Object Summary

- Analog Input, Analog Output, Analog Value
- Binary Input, Binary Output, Binary Value
- Multi-State Input, Output, Value



## Built-In Secure Web Server for Configuration and Diagnostics

## Read/Write BACnet to Temperzone UC8 Units



BACnet Protocol Implementation Conformance Statement (Abbreviated) Date: 9th May 2023  
 Product Name: Babel Buster BB3-7101-TZ Product Model Number: BB3-7101-TZ Applications  
 Software Version: 3.15.15  
 Firmware Revision: 3.15.15  
 BACnet Protocol Revision: 15

Product Description: Network gateway allowing the UC8 Modbus RTU device to be accessed via BACnet IP and vice versa.

BACnet Standardized Device Profile (Annex L):  
 ► BACnet Application Specific Controller (B-ASC)  
 ► BACnet Gateway (B-GW)

Standard Object Types Supported:  
 Object types: AI, AO, AV, BI, BO, BV, MSI, MSO, MSV, DEV (all static) See additional documentation for optional & proprietary properties.  
 Data Link Layer Options:  
 ► BACnet IP (Annex J)

Device Address Binding:  
 Is static device binding supported? Yes

Networking Options: BBMD, supports registration by foreign devices Character Sets Supported: ANSI X3.4  
 If this product is a communication gateway, describe the types of non-BACnet equipment/network(s) that the gateway supports:  
 Modbus RTU and/or Modbus TCP slaves/servers (BACnet slave device functions as Modbus RTU or TCP master)

## Features

- Read/Write any standard Modbus register via BACnet objects
  - Analog, Binary, Multi-State object types
  - Input, Output, Value objects
- Bidirectional data exchange between BACnet and Modbus
- Modbus registers may be scaled (x10, x100, x0.1, x0.01, etc.)
- Modbus (master) polling interval configurable per point
- Commandable BACnet objects implement priority array
- Hardened EIA-485 transceiver for Modbus RTU
- 10/100BaseT Ethernet for BACnet IP and Modbus TCP
- Powered by 10-30VDC or 24VAC 50/60 Hz
- Power Consumption: 0.1A @ 24VDC
- DIN rail mounting, 100mm H x 70mm W x 60mm D
- Pluggable screw terminal block for power & RTU network
- Operating temperature -40°C to +85°C
- Humidity 5% to 90% non-condensing
- BTL Certified
- FCC Class A, CE Mark

Website  
[www.temperzone.com](http://www.temperzone.com)

Temperzone Ltd (New Zealand)  
 38 Tidal Rd, Mangere South, Auckland 2022  
 Private Bag 93303, Otahuhu, Auckland 1640  
 Enquiries: 09 279 5250 [info@temperzone.com](mailto:info@temperzone.com)  
 Sales: [nzsales@temperzone.com](mailto:nzsales@temperzone.com)  
 National Customer Care:  
[customerservices@temperzone.com](mailto:customerservices@temperzone.com)

Temperzone Australia Pty Ltd  
 Head Office & Factory:  
 14 Carnegie Place, Blacktown, NSW 2148  
 PO Box 8064, Seven Hills NSW 2147  
 Receptionist Service: +61 2 8822 5700  
 Sales: [nswsales@temperzone.com.au](mailto:nswsales@temperzone.com.au)  
 National Customer Care: [autechnicalsupport@temperzone.com](mailto:autechnicalsupport@temperzone.com)  
 Freecall (AU) 1800 21 1800