



Extended I/O BACnet ASC Controller — Application 2596

Start-up Procedures

Table of Contents

Before You Begin	2
Setting Controller Address	2
Setting the Application	3
Setting Room Temperature Offset (optional)	3
Configuring BACnet Parameters	3

Before You Begin

Be aware of the following before you begin.



WinCIS version 2.1.4 or later must be used to configure Siemens Building Technologies BACnet TECs.

If WinCIS does not communicate (through the HMI port / RTS sensor), try a different baud rate. The default baud rate is 1200.

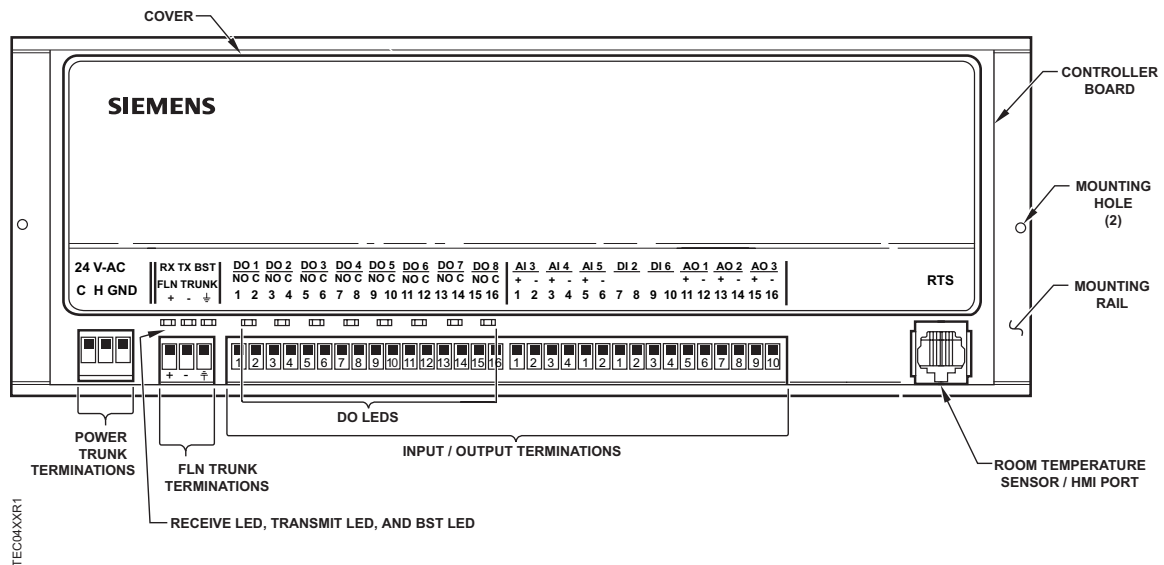


Figure 1. Extended I/O BACnet ASC Controller — Application 2596.

Setting Controller Address

Set the controller address by setting CTRLR ADDRESS to the appropriate number, see *Configuring BACnet Parameters*.



For BACnet TECs, the controller address is the same as the BACnet MAC address.



Except for BACnet controllers, update each controller at the field panel immediately after you have completed the controller start-up procedures and made all other changes to the controller's point database, including balancing, tuning, etc.

Setting the Application

Add the TEC to your job database and select Application 2596.

Setting Room Temperature Offset (optional)



The Room Temperature Offset feature is optional.

When the room has stabilized to within 5°F, take a precision temperature reading at the room temperature sensor, record any difference between this reading and the value of ROOM TEMP and set this difference value (to the nearest 0.25°F) into RMTMP OFFSET.

Example

If the actual room temperature is 72.0°F, and the value of ROOM TEMP is 73.0°F, then the value entered into RMTMP OFFSET is –1.0. In this case, the value of ROOM TEMP would read 73.0°F, but the value of CTL TEMP would read 72.0°F.

CTL TEMP = ROOM TEMP + RMTMP OFFSET

Configuring BACnet Parameters



WinCIS version 2.1.4 or later must be used to configure Siemens Building Technologies BACnet MS/TP TECs.

Do not check the Metric checkbox in the Device Properties dialogue box if the controller is communicating through the MS/TP driver in the Field Panel. Metric can be checked only if the controller is communicating through a router. If you need metric and the controller is communicating through the MS/TP driver in the Field Panel, then the Metric checkbox in the Device Properties dialogue box must be unchecked and the conversion must be handled in the Field Panel.

Using WinCIS, do the following:

1. From the **Device** menu, select **Device Properties** to configure BACnet parameters.
 - **Object Name** – unique to BACnet network, (12 character RAD50 limit).
 - **Object ID** – unique to BACnet network, valid values = 0 to 4,194,303.
 - **Description** – description of controller (60 character limit).
 - **Location** – physical location of controller (60 character limit).

- **Baud Rate** – options; 9600, 19200, 38400 or 76800, default = 19200.
 - **MSTP Master/Slave** – do **one** of the following:
 - Check the Slave checkbox if the controller communicates with a Field Panel using the MS/TP driver.
 - Uncheck the Slave checkbox if the controller is communicating through a router.
2. Press the '**Write**' button — the controller accepts the configuration values and then resets.



When the BACnet MS/TP TEC is successfully installed, the RX and TX LEDs flash On/Off very rapidly and continuously.