**HUBBELL**
a nudyne company

**THE ELECTRIC HEATER COMPANY**
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# BACnet Module Configuration

Devices that are compatible with this process are:
316-00009-00 T1000 Control Assembly
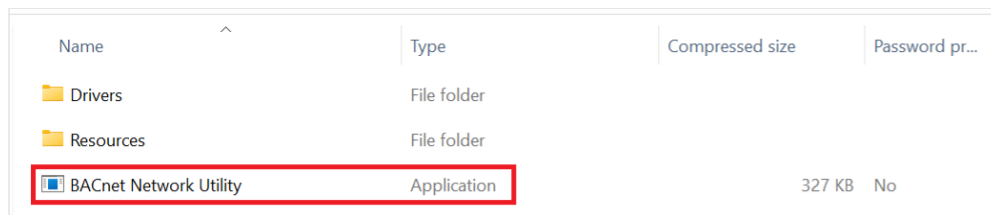316-00010-00 ETC Control Assembly
316-00016-00 TK2000 Control Assembly

Access Hubbell Website at https://hubbellheaters.com/ (*location TBD*) for download BACnet Network Utility.zip
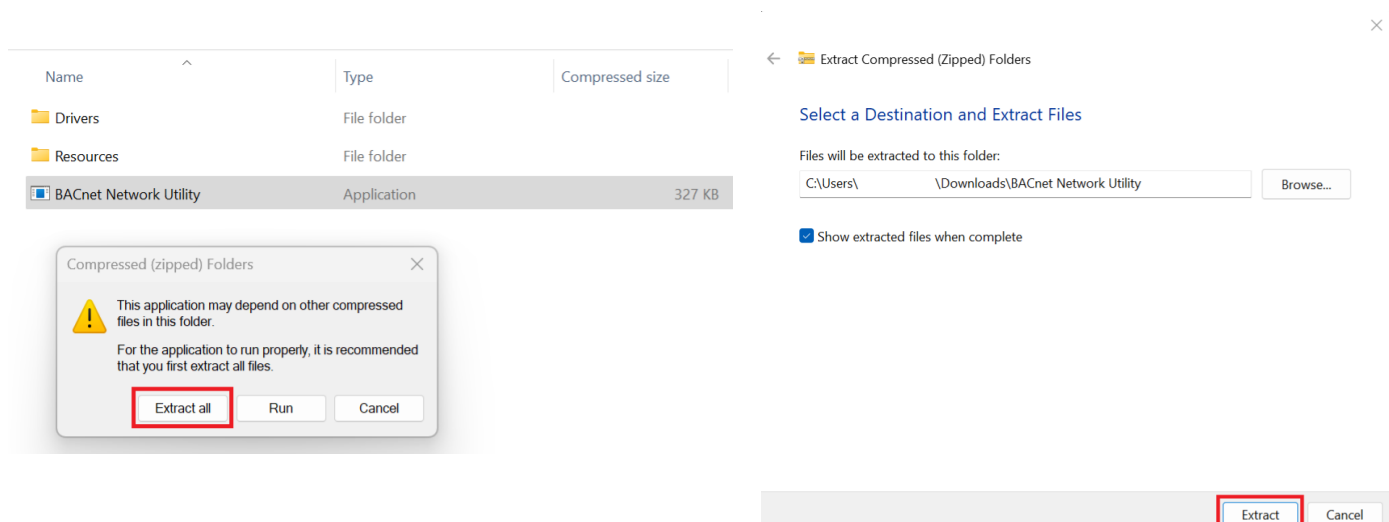
1. After downloading BACnet Network Utility.exe, locate compressed BACnet Network Utility file and open it
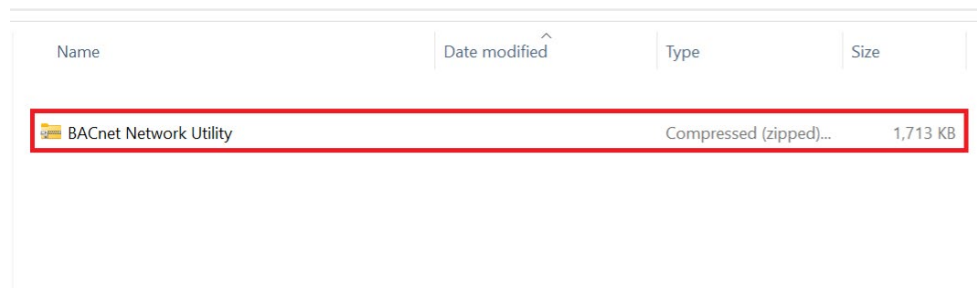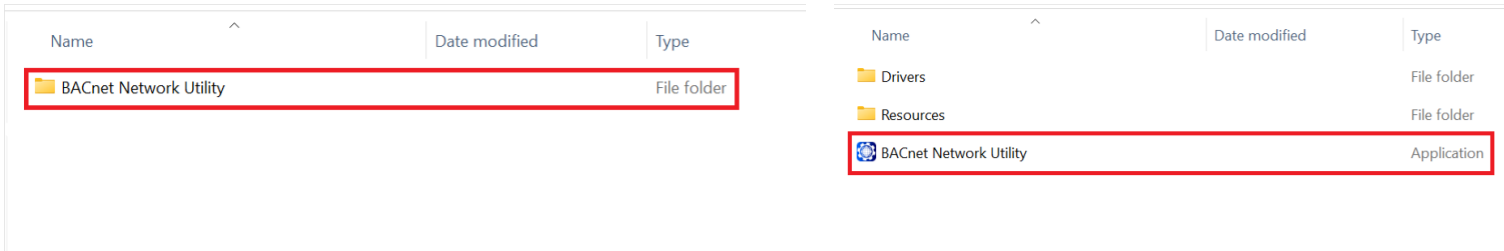


2. From inside the file, launch the BACnet Network Utility application.



3. When prompted click 'Extract all' and then click 'Extract'

4. Open the extracted BACnet Network Utility file and run the BACnet Network Utility application

| Name | Date modified | Type |
|---|---|---|
| 📁 BACnet Network Utility | | File folder |

| Name | Date modified | Type |
|---|---|---|
| 📁 Drivers | | File folder |
| 📁 Resources | | File folder |
| 🔵 BACnet Network Utility | | Application |

5. Plug an A to mini-USB cable (Hubbell cable part number 319-00008-00) into a powered USB computer port and connect the BACnet module (shown in figure 1).
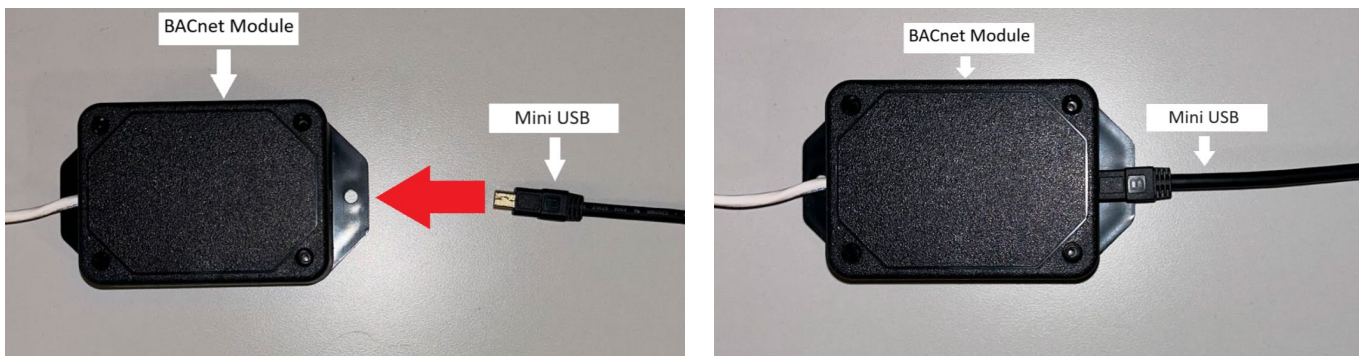
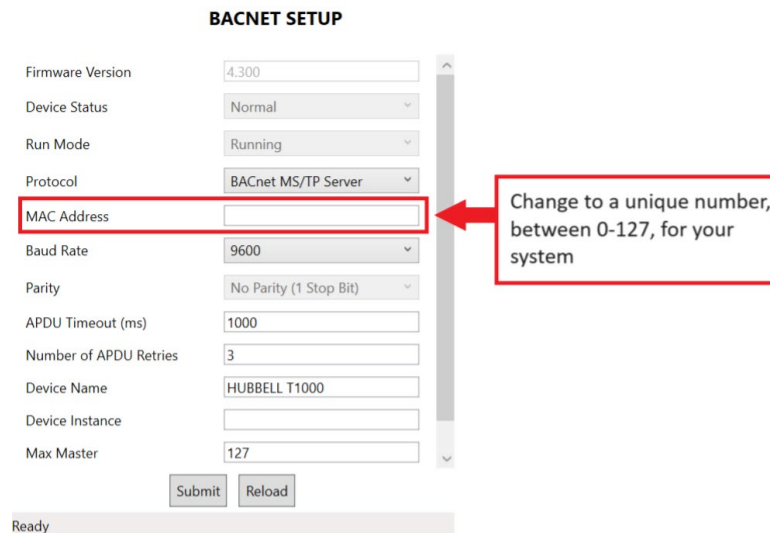

Figure 1.

6. MAC Address (shown in figure 2)



**BACNET SETUP**

| | |
|---|---|
| Firmware Version | 4.300 |
| Device Status | Normal |
| Run Mode | Running |
| Protocol | BACnet MS/TP Server |
| MAC Address | |
| Baud Rate | 9600 |
| Parity | No Parity (1 Stop Bit) |
| APDU Timeout (ms) | 1000 |
| Number of APDU Retries | 3 |
| Device Name | HUBBELL T1000 |
| Device Instance | |
| Max Master | 127 |

Change to a unique number, between 0-127, for your system

Submit    Reload

Ready

Figure 2.

7. Device Instance (shown in figure 3)



**BACNET SETUP**

| | |
|---|---|
| Firmware Version | 4.300 |
| Device Status | Normal |
| Run Mode | Running |
| Protocol | BACnet MS/TP Server |
| MAC Address | |
| Baud Rate | 9600 |
| Parity | No Parity (1 Stop Bit) |
| APDU Timeout (ms) | 1000 |
| Number of APDU Retries | 3 |
| Device Name | HUBBELL T1000 |
| Device Instance | |
| Max Master | 127 |

Submit   Reload

Ready

Change number to match last 5 digits of tank serial number
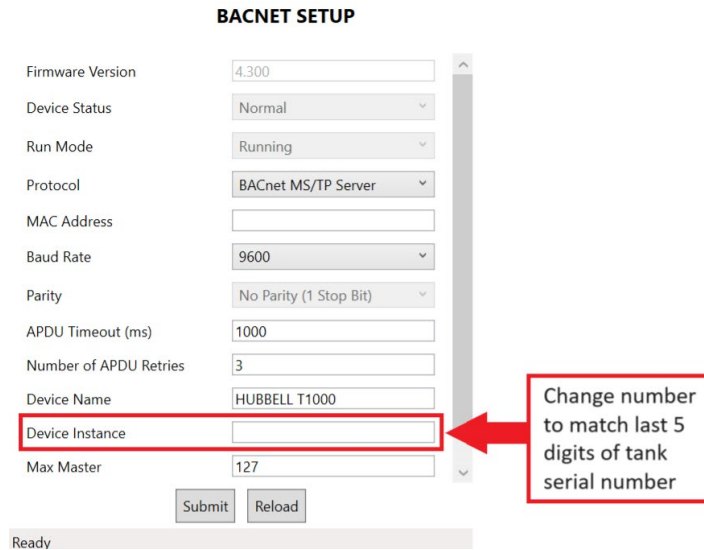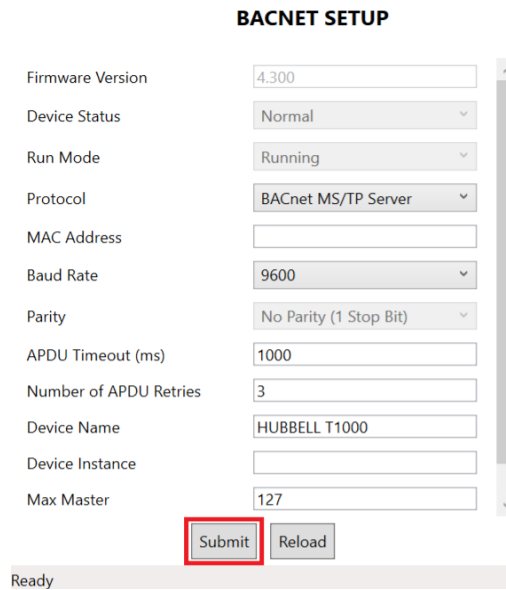
Figure 3.

8. Once changes to the MAC Adress and Device Instance are made, hit submit



**BACNET SETUP**

| | |
|---|---|
| Firmware Version | 4.300 |
| Device Status | Normal |
| Run Mode | Running |
| Protocol | BACnet MS/TP Server |
| MAC Address | |
| Baud Rate | 9600 |
| Parity | No Parity (1 Stop Bit) |
| APDU Timeout (ms) | 1000 |
| Number of APDU Retries | 3 |
| Device Name | HUBBELL T1000 |
| Device Instance | |
| Max Master | 127 |

Submit   Reload

Ready

9. Verify your configuration, your unit is ready to be installed