

# **BUILDING MANAGEMENT SYSTEM BACNET AND MODBUS INTERFACE**

## **THE BMS GATEWAY FOR CONTROL OF STATE WATER HEATERS**

Connect your State water heater to your building management system using the new Millennium control from ICC\* (Industrial Control Communications, Inc.)



**Models  
ETH-1000  
Ethernet connection**

**XLTR-1000  
Serial RS-485 connection**



**Works with Commercial Gas Ultra Force™ models, Commercial Gas Force™ 90+ models, Commercial Electric Sandblaster models with immersion thermostat, and Specialty Commercial Electric models SSE, SEV, SEH <150kW or less**

- Use the ICC Control to enable/disable the water heater
- Change Temperature Set points and differentials
- Two models with four different configurations to connect to BACnet and Modbus
- Ethernet and Serial RS-485 versions available
- 2 wire or 4 wire RS-485 Network
- Power can be supplied via the USB cable, as a 7-24 VDC input on the main terminal Block, or via IEEE 802.3af Power over Ethernet (PoE on ETH-1000 only)
- Configure protocols, network characteristics, and client/server object definitions
- Graphically interact with the internal database in real-time via USB connection
- Automatically discover and configure IP settings Ethernet gateways connected to the current subnet
- Update Firmware

For more information on the BACnet and MODBUS, contact:

State Water Heaters  
500 Tennessee Waltz Parkway  
Ashland City, TN 37015  
800-365-0024 Toll-free USA  
www.statewaterheaters.com

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## **ICC ENERGY MANAGEMENT INTERFACE**

Protocol	Part #	Connection Type	Application
<b>BACnet</b>	9910093000	Serial (RS485)	Commercial Gas - Ultra Force SUF all models and Force 90+ SHE50-100NE and SHE75-100NE
	9910094000		Commercial Electric - CSB(I)-52 thru CSB(I)-120 w/immersion thermostat, SSE, SEV and SEH 150kW or less
	9910099000	Ethernet (IP)	Commercial Gas - Ultra Force SUF all models and Force 90+ SHE50-100NE and SHE75-100NE
	9910100000		Commercial Electric - CSB(I)-52 thru CSB(I)-120 w/immersion thermostat, SSE, SEV and SEH 150kW or less
<b>Modbus</b>	9910096000	Serial (RS485)	Commercial Gas - Ultra Force SUF all models and Force 90+ SHE50-100NE and SHE75-100NE
	9910097000		Commercial Electric - CSB(I)-52 thru CSB(I)-120 w/immersion thermostat, SSE, SEV and SEH 150kW or less
	9910102000	Ethernet (IP)	Commercial Gas - Ultra Force SUF all models and Force 90+ SHE50-100NE and SHE75-100NE
	9910103000		Commercial Electric - CSB(I)-52 thru CSB(I)-120 w/immersion thermostat, SSE, SEV and SEH 150kW or less

- Heater connection wiring supplied with unit
- For questions on this product Call 888-928-3702 Opt 1
- RTU and serial connect via RS-485
- Ethernet and IP connect via RJ-45

For complete information on limited warranties, consult written warranty or contact the State Customer Care Center at 1-800-365-0024. State Industries, Inc., reserves the right to make product changes or improvements without prior notice.

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