HeatNet® Bridge Addressing Worksheet

Please fill out a separate form for each HeatNet® bridge.

Every HeatNet bridge comes from the factory with the default address settings (shown in parenthesis) listed in section 2. The bridge can be programmed in the field by following instructions, which can be downloaded, from the product web sites, KNseries.com, rbiwaterheaters.com and smithboilers.com. This requires some computer and networking experience. The bridges can also be programmed at the factory by filling out the information in section 2 of this worksheet.

1. Customer Information

Rep Name: _____   **Date** _____

Customer Name: _____   **Order #:** _____

Contact Name[1]: _____   **Location/Job:** _____

Contact Phone[1]: _____   **Contact Email:** _____

☐ Factory addressing **IS NOT** required.

☐ Factory Addressing **IS** required (section 2 **MUST** be completed).

[1] *Contact is an Engineering contact that will be able to provide technical data for the application.*

2. Product: ☐ ATH   ☐ RBI   ☐ Smith
2.1 Model: (**i.e. KN-6, KN10+, etc**) _____

3. Protocol (Choose one of the following protocols)

☐ BACnet MSTP ☐ BACnet IP ☐ LonWorks ☐ N2

4. Addressing

Please complete **one** of the following sections based on required protocol. Default values are shown in parenthesis.

4.1 BACnet MSTP

BACnet MAC Address (11): _____
(1-127: Master, 128-254: Passive Member)[2]

BACnet Device Instance (11): _____ (1-4194303)

Baud Rate (38400): *choose one* ☐ 9600 ☐ 19200 ☐ 38400 ☐ 76800[3]

4.2 BACnet IP

IP Address (192.168.1.24): _____

IP Subnet Mask (255.255.255.0): _____

Default Gateway (192.168.1.2): _____

IP Port (47808): _____ (1-65535)

DHCP Client (no): ☐ no ☐ yes

BACnet Network Number (5): _____ (1-65534)

BACnet Device Instance (11): _____ (1-4194303)

4.3 LonWorks

4.4 N2

A HeatNet® Master-Member system (network) can contain up to 16 boilers. The HeatNet N2 Bridge is normally attached to the master and can provide most data points that the master periodically reads from each member. Per the N2 specification; baud=9600, data bits=8, stop bits=1, and parity=none. The N2 protocol is limited to 255 data points of each type. For this reason, the HeatNet N2 Bridge is configured to act like 16 different N2 devices. Each device represents a different boiler. The Master/Standalone boiler must always be enabled, but in order to conserve N2 addresses members must be specifically enabled. Please complete the following table:

Boiler	Enabled	Address (1-255)
Master/Standalone:	☐	_____ (default = 101)
Member 2:	☐	_____ (default = 102)
Member 3:	☐	_____ (default = 103)
Member 4:	☐	_____ (default = 104)
Member 5:	☐	_____ (default = 105)
Member 6:	☐	_____ (default = 106)
Member 7:	☐	_____ (default = 107)
Member 8:	☐	_____ (default = 108)
Member 9:	☐	_____ (default = 109)
Member 10:	☐	_____ (default = 110)
Member 11:	☐	_____ (default = 111)
Member 12:	☐	_____ (default = 112)
Member 13:	☐	_____ (default = 113)
Member 14:	☐	_____ (default = 114)
Member 15:	☐	_____ (default = 115)
Member 16:	☐	_____ (default = 116)

The following parameters are usually set by the commissioning software. Factory programming (of domain, subnet, and node) should only be needed under very special circumstances. Factory programmed addresses are reloaded every time the bridge is reset, any commissioned address will be erased/overwritten.

Domain: _____   **Subnet:** _____   **Node:** _____

[2] *Passive members do not respond to BACnet "who is" messages and thus cannot be automatically discovered.*
[3] *Available on version 2+ BACnet bridges.*

Customer PO#:	Factory Order #:	(internal use only)