

# 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<sup>1</sup>: \_\_\_\_\_ Location/Job: \_\_\_\_\_  
 Contact Phone<sup>1</sup>: \_\_\_\_\_ Contact Email: \_\_\_\_\_

- Factory addressing **IS NOT** required.
- Factory Addressing **IS** required (section 2 **MUST** be completed).

<sup>1</sup> 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)<sup>2</sup>

BACnet Device Instance (11): \_\_\_\_\_ (1-4194302)

Baud Rate (38400): choose one  9600  19200  38400  76800<sup>3</sup>

### 4.2 BACnet IPh

IP Address (192.168.1.24): \_\_\_\_\_

IP Subnet Mask (255.255.255.0): \_\_\_\_\_

IP Port (47808): \_\_\_\_\_ (1-65535)

DHCP Client (no):                     no     yes

BACnet Network Number (5): \_\_\_\_\_ (1-65534)

BACnet Device Instance (11): \_\_\_\_\_ (1-4194302)

### 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:	<input type="checkbox"/>	____ (default = 101)
Member 2:	<input type="checkbox"/>	____ (default = 102)
Member 3:	<input type="checkbox"/>	____ (default = 103)
Member 4:	<input type="checkbox"/>	____ (default = 104)
Member 5:	<input type="checkbox"/>	____ (default = 105)
Member 6:	<input type="checkbox"/>	____ (default = 106)
Member 7:	<input type="checkbox"/>	____ (default = 107)
Member 8:	<input type="checkbox"/>	____ (default = 108)
Member 9:	<input type="checkbox"/>	____ (default = 109)
Member 10:	<input type="checkbox"/>	____ (default = 110)
Member 11:	<input type="checkbox"/>	____ (default = 111)
Member 12:	<input type="checkbox"/>	____ (default = 112)
Member 13:	<input type="checkbox"/>	____ (default = 113)
Member 14:	<input type="checkbox"/>	____ (default = 114)
Member 15:	<input type="checkbox"/>	____ (default = 115)
Member 16:	<input type="checkbox"/>	____ (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: \_\_\_\_\_

<sup>2</sup> Passive members do not respond to BACnet "who is" messages and thus cannot be automatically discovered.

<sup>3</sup> Available on version 2+ BACnet bridges.

Customer PO#:	Factory Order #:	<b>(internal use only)</b>
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