



# INNOVATION® WATER HEATER START-UP FORM

Please complete **ONE (1) form for each UNIT** at the site and return to AERCO for warranty validation within 30 days of start-up. After completion, e-mail this form to: **STARTUP@AERCO.COM**.

Please insure that the Edge Firmware is updated as the first step in the startup process

**Completed By:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## Location

Installation Name: \_\_\_\_\_ ATT Technician: \_\_\_\_\_

Street Address: \_\_\_\_\_ Company: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_ Phone #: \_\_\_\_\_

AERCO Sales Rep: \_\_\_\_\_ **UNIT SERIAL #:** \_\_\_\_\_

## Units

Registered Unit is an INN-     1600     2000     1600P     2000P

Quantity of Units at Job Site    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_

## Combustion Calibration

*NOTE: Consult Chapter 4 of INNOVATION Installation, Operation & Maintenance Manual OMM-0175 for proper oxygen (O<sub>2</sub>) settings at the 16% calibration point. Also, provide the data shown in the table below for valve positions of 20%, 30%, 40%, 50% 60%. 80% and 100%, if possible.*

Ambient combustion air temperature during calibration: \_\_\_\_\_ °F

Static Gas Pressure Upstream of SSOV: \_\_\_\_\_ in. W.C. @ 100%

**Gas Pressure downstream of the SSOV at 100% fire rate:** \_\_\_\_\_ inches W.C.

Valve Position	Oxygen (O <sub>2</sub> ) (%)	Carbon Monoxide (CO) (ppm)	Nitrous Oxide (NOx) (ppm)	Flame Strength (µA)	SSOV Outlet Pressure (in. W.C.)
16%					
20%					
30%					
40%					
50%					
60%					
80%					
100%					

## Temperature Calibration for Innovation Water Heater

*Note: Consult Chapter 5 of OMM-175 for temperature calibration procedure.*

1. Water Heater setpoint? \_\_\_\_\_ °F
2. Minimum load adjustment control setting? \_\_\_\_\_
3. Maximum load adjustment control setting? \_\_\_\_\_
4. Lower aquastat setting? (Typically set 20°F above unit set point) \_\_\_\_\_ °F

## Water Heater Management (WHM) Set-Up

1. Is RS485 (Modbus) wiring "Daisy-Chained" between units?  Yes  No
2. Are Sequencing Valves installed?  Yes  No
3. Are terminating resistors set to "ON" on the first and last units?  Yes  No
4. What is the Cascade Baud Rate? \_\_\_\_\_
5. What is the Water Management Setpoint? \_\_\_\_\_
6. What is the Next On Valve Pos? \_\_\_\_\_
7. What is the Next Off valve Pos? \_\_\_\_\_
8. What is the SSD address? \_\_\_\_\_
9. What is the SSD Temp Format? \_\_\_\_\_

## Gateway Configuration

Name: \_\_\_\_\_

Gateway Model: ProtoNode (Serial)

Phone Number: \_\_\_\_\_

ProtoNode (Lon)

E-Mail Address: \_\_\_\_\_

Job Name: \_\_\_\_\_

Input wiring termination to the Gateway translation device (Check one)

- EIA-485 (2 wire)
- EIA-485 (4 wire)
- EIA-232

Building Automation System (BAS) protocol (Check one)

- BacNet:
  - IP:
  - MS/TP:
- Johnson Controls - N2:
- LonWorks:
- Modbus - IP:

What Baud Rate. (Check One):

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| • 156,000 <input type="checkbox"/> | • 19,200 <input type="checkbox"/> |
| • 76,800 <input type="checkbox"/>  | • 9,600 <input type="checkbox"/>  |
| • 38,400 <input type="checkbox"/>  | • Other _____                     |

BAS Device Address #'s \_\_\_\_\_

N2 Device Node ID \_\_\_\_\_

**OR:**

BACnet Device Instance #'s \_\_\_\_\_

BACnet Network Number \_\_\_\_\_

BACnet IP Address \_\_\_\_\_

**OR:**

LonWorks Program ID \_\_\_\_\_

**ADDITIONAL NOTES:**