



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**.

Completed By: _____ Date: _____

Location

Installation Name: _____ SST Technician: _____

Street Address: _____ Company: _____

City, State, Zip: _____ Phone #: _____

AERCO Sales Rep: _____ UNIT SERIAL #: _____

Units

Registered Unit(s) is an INN- 600 800 1060 1350

Quantity of Units at Job Site _____

Combustion Calibration

Note: Consult Chapter 4 of INNOVATION O&M Manual, GF-128, for proper oxygen (O₂) 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

Inlet Gas Manifold Supply Pressure: _____ in. W.C. @ 100%

Gas Pressure downstream of the SSOV at 16% valve position _____ inches W.C.

Valve Position	Oxygen (O ₂) (%)	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 4 of GF-128 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 the Sequencing Valves connected to the 3-pin Molex connectors from the INN Water Heaters Yes No
3. Is a hose bib installed in the outlet piping? Yes No
4. Are check valves installed in the cold water inlet? Yes No
5. Are check valves installed in the recirculation line? Yes No

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: