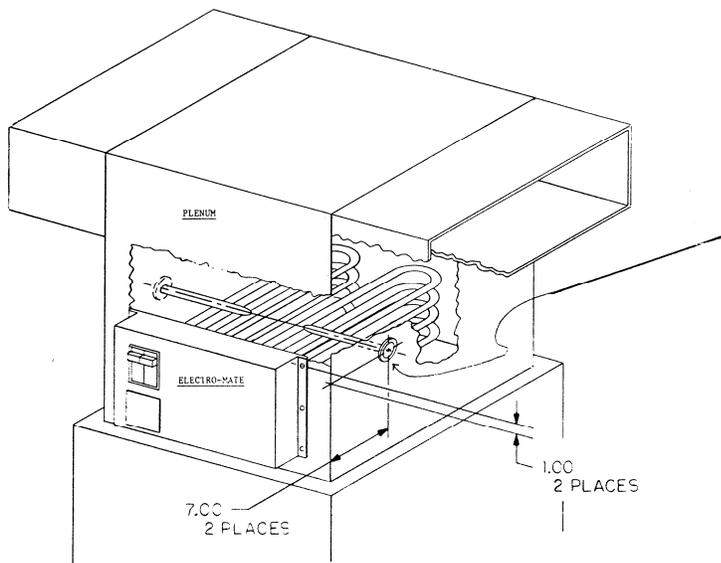


## ATTENTION INSTALLER:

The attached certification warranty document must be completely filled out and tests performed prior to leaving the installation. In order to be eligible for warranty, a copy of this certification should be on file at Electro Industries, Inc. A copy of this completed warranty certification should be given to the end use (homeowner) along with placing the manual in a convenient location for future troubleshooting reference.



Plenum Thermometer  
Measure and record plenum  
temperature 2" to 4" above  
top element, both sides.

This also includes a checkout, power-on, procedure.

*Complete the following warranty sheet and return to:*



**ELECTRO INDUSTRIES, INC.**  
2150 West River Street, PO Box 538, Monticello, MN 55362  
763.295.4138 • 800.922.4138 • fax 763.295.4434  
sales@electromn.com • www.electromn.com

**Warranty  
HeatChoice Certification Sheet - Upflow**

In order to retain complete warranty rights, the complete certification sheet must be completed and returned to Electro Industries, Inc. If this test sheet is not completed in total (especially plenum temperature test) and sent to the factory, the 20-year element warranty will not apply. A copy of this certification sheet should be given to the end user.

Electro-Mate Model# \_\_\_\_\_ ARL# \_\_\_\_\_  
Installing Company \_\_\_\_\_ Phone (\_\_\_\_\_) \_\_\_\_\_  
Installer's Name \_\_\_\_\_  
Customer's Name \_\_\_\_\_ Phone (\_\_\_\_\_) \_\_\_\_\_

**System Information**

Gas/Oil Furnace Manufacturer & Model \_\_\_\_\_

Furnace CFM \_\_\_\_\_ Plenum Width \_\_\_\_\_" Depth \_\_\_\_\_"

**Final Checkout and Operation Tests**

The following steps help ensure the system is functioning correctly and has adequate baffling and airflow to ensure proper element life and operation. Depending upon your system interface the checkout procedure is different. Select the appropriate interface checkout and fill in the information requested.

**Electric Mode**

- Verify amber LED illuminated, off-peak control is not interrupting and override switch is normal.
  - Activate thermostat for normal call for heat.
  - Verify both stages "click in" and unit is heating normal.
  - With full heat output, wait 5 to 10 minutes to stabilize temperature and take the following readings:
    - o 240 heating power, voltage \_\_\_\_\_
    - o Measured 240 power amps, current \_\_\_\_\_ (if double feed, 2 values)
    - o Measure transformer control, voltage \_\_\_\_\_
    - o Plenum temperature as specified on sketch:
      - Right \_\_\_\_\_
      - Left \_\_\_\_\_
    - o By viewing clamp-on amp meter or general observation, verify unit is not cycling in hi-limit.
      - Hi-limit cycling occurred? Yes/No
- If yes, what changes were made to the system to eliminate hi-limit cycling?

\_\_\_\_\_  
\_\_\_\_\_

**Standby Mode**

- On DFC models, place front panel switch to standby position **or** on DHC models, open one of the blue control wires.
- Verify system switches to oil/gas furnace and gas furnace is properly operating per its manufacturer’s requirements.
  - o There will be a 1-minute carry over on the blower, but the normal blower function is controlled within the furnace.
- Electric elements must be off.
- After approximately 10 minutes run time, record plenum temperature.
  - o Plenum temperature as shown on sketch:
    - Right \_\_\_\_\_
    - Left \_\_\_\_\_

**Other Local Tests and Verification**

- Return standby to normal, burn must be off and elements begin heating.
- Perform other common industry tests such as turning off thermostat in both modes, power company interrupt, air conditioning operation, etc.

**Installer**

The Electro-Mate plenum heater specified above has been installed in accordance with the unit nameplate marking and the installation instructions provided. The electrical wiring has been inspected by the electrical inspection authorities.

\_\_\_\_\_  
Installer’s Signature

\_\_\_\_\_  
Date

**End User**

Proper completion and distribution of this form by your installing contractor will ensure that the Electro-Mate plenum heater is installed to the manufacturer’s requirements.

\_\_\_\_\_ Received instructions on operation of equipment

\_\_\_\_\_ Received instruction manual

\_\_\_\_\_  
End User’s Signature

\_\_\_\_\_  
Date



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