

WarmFlo®

Electric Plenum Heater



 **Made in USA**

The WarmFlo Electric Plenum Heater Series enhances overall heating system comfort, performance, and efficiency. Whether you are combining a gas or oil-fired furnace with WarmFlo or adding an air source heat pump, WarmFlo can maximize your heating system's performance by monitoring outdoor and warm air plenum temperatures. Complete off-peak ready controls make installation and follow-up service easy. Using our dual energy selector makes switching fuels as easy as a "flip of the switch".

When used with heat pump and gas/oil furnace:

- ◆ Overcomes heat pump "cold air syndrome"
- ◆ Adjustable minimum warm air temperature
- ◆ Proportional control - outlet temperature ramps up with decrease in outdoor temperature
- ◆ Provides a control technology for utilizing the high efficiencies of a heat pump down to at least 0° F
- ◆ Generally provides \$400+ annual operating savings compared to dual fuel HP installations

When used with a gas/oil furnace:

- ◆ Full electric element modulation with target temperature output
- ◆ Simplified system control wiring
- ◆ No high temperature audible alarm
- ◆ Air conditioning compatible
- ◆ Optional outdoor sensing
- ◆ Full kW demand - does not come on unless required by outdoor temperature



Electro
 Providing Comfort Through
 Efficient Energy Solutions

SPECIFICATIONS

Model Number		kW @ 240VAC	CFM	Btu/h	Amps	Circuit Breakers
Upflow	Downflow					
EM-WU051H*	EM-WD051H*	5	300	17,000	21	-
EM-WU102H*	EM-WD102H*	10	700	34,000	21-21	-
EM-WU1537*	EM-WD1537*	15	1100	51,000	21-21-21	30-60
EM-WU2045*	EM-WD2045*	20	1400	68,000	21-21-21-21	60-60
EM-WU25458	EM-WD25458	25	1700	85,000	21-21-32-32	60-60-30

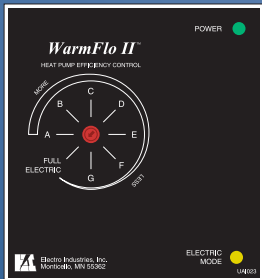
*Model Number last digit: 5 = 15"W 8 = 18"W

WARMFLO CONCEPT

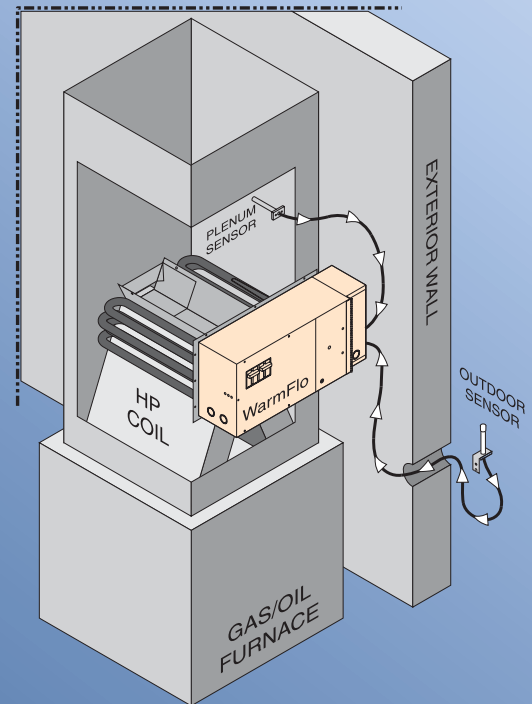
How does WarmFlo work with your air source heat pump?

The WarmFlo control receives temperature information from the warm air plenum sensor and the outside sensor to monitor the heating system performance. Using data from the sensors, the WarmFlo intelligent controller automatically establishes a warm air delivery temperature ideal for the specific outdoor temperature. As outside temperatures drop, the air source heat pump output decreases and the warm air required to heat your home increases. The WarmFlo plenum heater automatically adds heat in 500 watt increments to meet the heating requirements of the home.

FRONT PANEL EFFICIENCY ADJUST



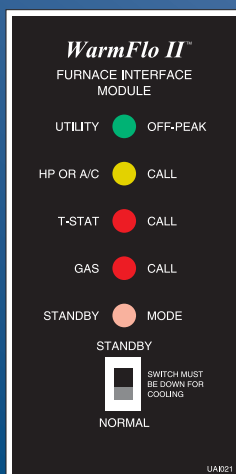
By adjusting the front panel efficiency dial you can determine how quickly you would like the WarmFlo to assist the air source heat pump. Choosing the more efficient settings increases the run time of the air source heat pump but decreases the temperature coming out of the duct registers. Choosing the less efficient setting decreases the air source heat pump run time but provides better warm air comfort coming from the registers.



For additional help see Electro-Mate® Application Helps (EL002)

15-year element warranty and 2-year parts warranty from date of original installation.

REQUIRED FURNACE INTERFACES



- WF-EM3 Gas/oil, air conditioning, furnace and WarmFlo Plenum Heater, standard 4-wire roomstat
- WF-EZ3 Gas/oil furnace, air source heat pump, and WarmFlo Plenum Heater, standard 4-wire roomstat
- WF-LGR4 Gas/oil furnace, air source heat pump, and WarmFlo Plenum Heater, heat pump roomstat
- WF-HP2 Gas/oil 2-stage furnace, 2-stage air source heat pump, and WarmFlo Plenum Heater, 4-wire or heat pump roomstat

Specifications subject to change without notice, all rights reserved.



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