

# WarmFlo® Select Controller Conversion Kit

## Pre-Wired Enclosure

### What is the WarmFlo concept, and how does it work with a heat pump?

The WarmFlo controller receives temperature information from the warm air plenum sensor and the outdoor sensor to monitor the heating system requirements. Using data from the sensors, the WarmFlo intelligent controller automatically establishes a warm air delivery temperature ideal for the specific outdoor temperature. As the outdoor temperature drops, an air source heat pump's output decreases and the warm air required to heat the home increases. The WarmFlo controlled strip heat package automatically adds electric heat in two to four separate stages to meet the established warm air delivery requirements of the home, allowing you to drive the heat pump to colder outdoor temperatures (0° F). This WarmFlo conversion kit allows you to convert a heat pump with electric strip heat or an electric furnace to an air source heat pump combination with WarmFlo technology.

### Single Stage Heat Pump - WF-DHKIT

- SIMPLE AND EASY TO USE
- INCLUDES OUTDOOR RESET
- USES A CONVENTIONAL 4-WIRE THERMOSTAT
- BUILT-IN LOAD MANAGEMENT FOR DUAL FUEL APPLICATIONS
- FRONT PANEL LED INDICATOR LIGHTS
- FRONT PANEL OVERRIDE SWITCH
- SAFETY BACKUP TIMERS

### Two Stage Heat Pump - WF-DHKIT2

- INCLUDES ALL WF-DHKIT FEATURES
- CONVENTIONAL 1H/1C OR 2H/2C THERMOSTAT
- FRONT PANEL HP STAGE 1 AND STAGE 2 LED'S
- BUILT-IN MULTI-SPEED BLOWER CONTROL

The diagram shows the WarmFlo Select 2 Stage Equipment - SL2 control panel. It features a circular dial with eight segments labeled A through H, each with a corresponding temperature setting. The dial is color-coded from green (A) to red (H). A legend below the dial lists the temperatures for each segment. To the left of the dial are eight indicator lights: HI-LIMIT, POWER ON, ELECTRIC MODE, HP STAGE 1, HP STAGE 2, THERMOSTAT, and GAS. Below the dial is an override switch labeled 'STANDBY' and 'NORMAL'. A note states 'SWITCH MUST BE DOWN FOR COOLING'. The bottom left corner includes the Electro Industries, Inc. logo and address: Monticello, MN 55362. The bottom right corner has the code UA1034 A.

Dial	Temp @ 0°F OT
A	100°
B	110°
C	114°
D	118°
E	121°
F	124°
G	125°
H	DT FLAT

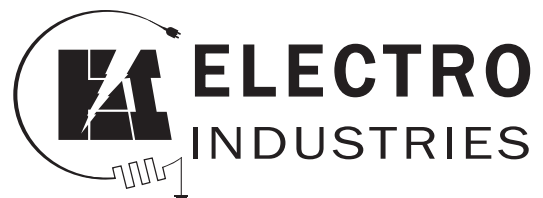
EFFICIENCY CONTROL  
NOT APPLICABLE  
WHEN SET TO ST MODE

STANDBY  
NORMAL

SWITCH MUST BE DOWN FOR COOLING

Electro Industries, Inc.  
Monticello, MN 55362

UA1034 A



## Specifications

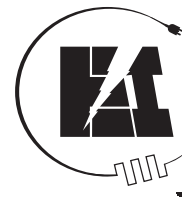
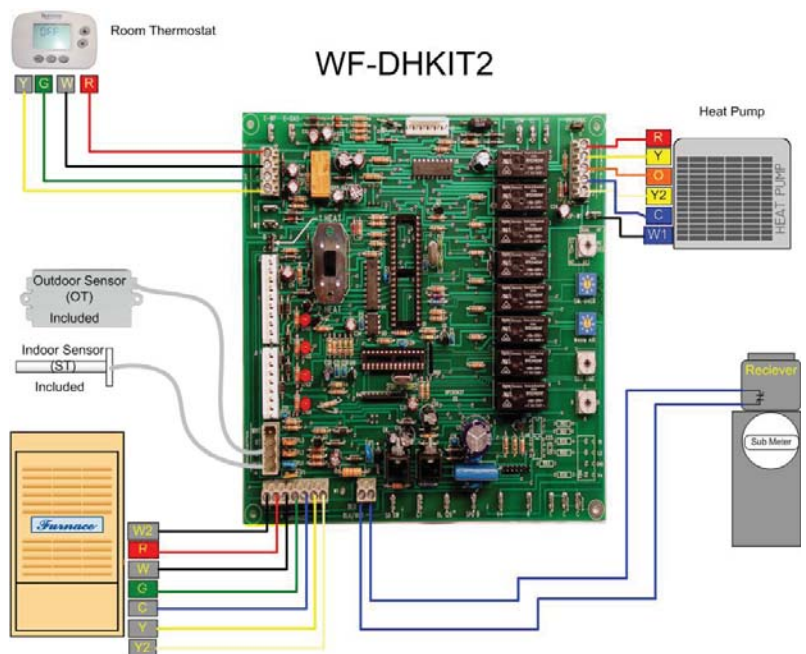
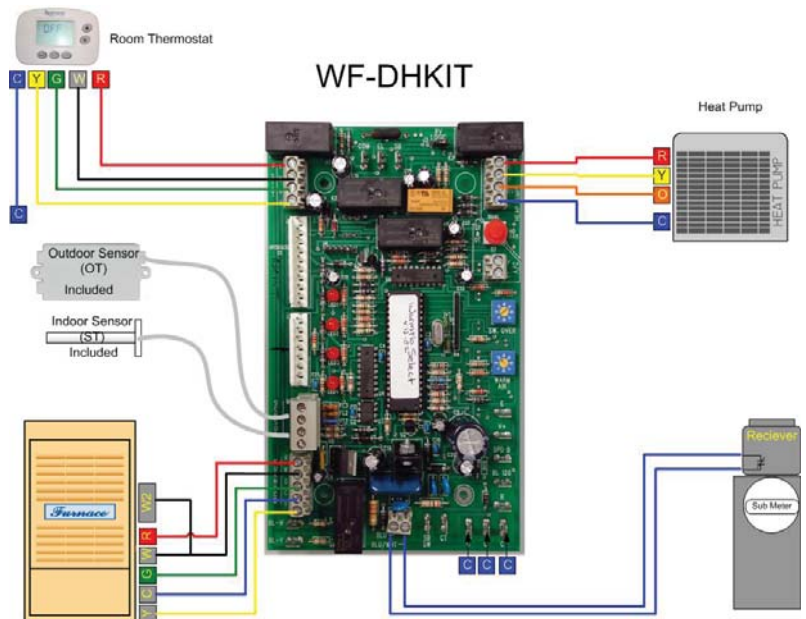
Specification	WF-DHKIT	WF-DHKIT2
Standard 4-wire 1H/1C thermostat	YES	YES
Standard 6-wire 2H/2C thermostat	NO	YES
24VAC from furnace	YES	YES
25 ft.* outdoor balance point sensor	YES	YES
5 ft. indoor supply sensor	YES	YES
Single stage heat pump	YES	NO
Two stage heat pump	NO	YES
Variable speed fan	YES	YES
Multi-wire heat pump thermostat	NO	NO
Non-heat pump (A/C) compatible	YES	NO

\*Field extendable to 50 ft.

## Additional Features

- Overcomes heat pump “cold air syndrome”
- 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
- Simplified system control wiring
- Stat override timer (SOT-S) offers safety backup to gas furnace
- WF-ANZ7 Analyzer allows set point field changes
- Built-in blower purge
- Compatible with variable speed furnace

*Specifications subject to change without notice, all rights reserved.*



**ELECTRO  
INDUSTRIES**

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