



**Low cost, direct replacement furnace control board.**



## Features

- Controls gas valve, ignitor, blower motor, inducer, humidifier and air cleaner
- Microprocessor-based
- Designed for 100% gas shutoff in case of ignition failure
- Twinning
- Reverse polarity protection
- Secondary brownout voltage protection
- Compatible with 24 VAC standard thermostat
- Provides diagnostic LEDs to aid in troubleshooting

## Specifications

### Time Delays

- Heat Blower On: 60 seconds
- Heat Blower Off: 90, 120, 150, 180 seconds
- Fan (Heat) On/Off: 1 second
- Cool On: 2 seconds
- Cool Off: 90 seconds, jumper JW2 uncut;  
5 seconds, jumper JW2 cut

### Environment

- Ambient Temperature
  - Operating: -40°C to 176°F
  - Storage: -40°C to 185°C
- Humidity: 5% to 95% R.H. (non-condensing) @ +55°C

### Electrical

- Voltage Range: Line (98 to 132 VAC) @ 60Hz
- Ignitor: 5A @ 120 VAC
- Cool Blower: 10A, 2HP, 240 VAC
- Heat: 5A, 1/2 HP, 240 VAC
- Inducer Motor: 4A, FLA-8.0 LRA @ 120 VAC
- Gas Valve: 1.5A @ 30 VAC

## Replaces

Carrier: HK42FZ004, HK42FZ007, HK42FZ008, HK42FZ009, HK42FZ011, HK42FZ013, HK42FZ016