



## Low cost replacement 2-stage furnace control board



### Features

- **Controls gas valve, ignitor, blower motor, inducer, humidifier and air cleaner**
- **Microprocessor-based precision**
- **Designed for 100% gas shutoff in case of ignition failure**
- **Twining compatible with another ICM2807 control**
- **Reverse polarity protection**
- **Secondary brownout voltage protection**
- **Compatible with 24 VAC standard thermostat**
- **Continuous Blower Speed Jumper**
- **Limit Switch Lockout Time**
- **Limit Switch Lockout After Power Interruption**
- **Self-Diagnostics**
- **Provides diagnostic LEDs to aid in troubleshooting**

### Specifications

#### Environment

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

#### Electrical

- **Voltage Range:** Line (98 to 132 VAC) @ 60Hz
- **Ignitor:** 5A @ 120 VAC
- **Cool Blower:** 10 HP, 120 VAC
- **Low Heat:** 5A, 1/2 HP, 120 VAC
- **High Heat:** 10A, 1 HP, 120 VAC
- **Inducer Motor:** 4A, FLA-8.0 LRA @ 120 VAC
- **Gas Valve:** 1.5A @ 30 VAC
- **EAC:** 1A @ 120 VAC
- **Humidifier:** 0.5A & 24 VAC

### Replaces

Carrier: HK42FZ005, HK42FZ010, HK42FZ016, HK42FZ017