



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
- Twinning 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