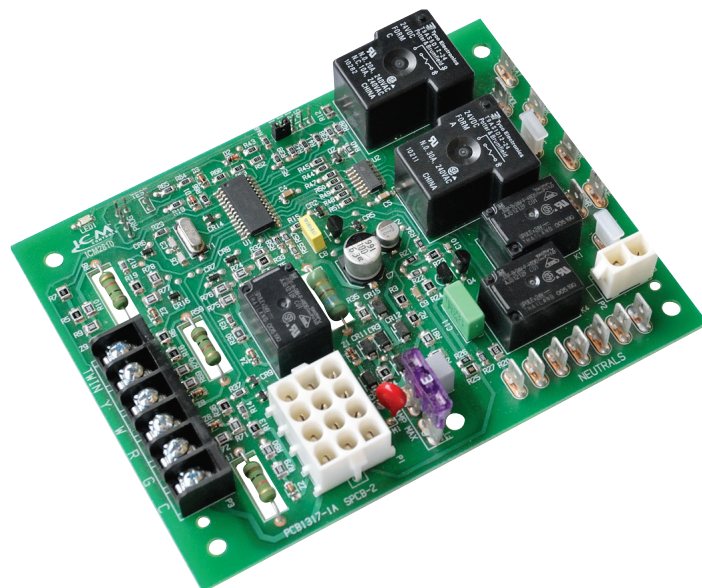




Low cost, form, fit and functional replacement furnace control board

Features

- Low cost, Goodman replacement board
- Microprocessor-based precision
- Controls inducer and blower fan motors, hot surface ignitor, and gas valve
- Monitors timing, trial for ignition, flame sensing, pressure and limit switches, and lockout
- Designed for 100% gas shutoff in case of ignition failure
- Reverse polarity protection
- Compatible with 24 VAC standard thermostat
- Twinning compatible with another ICM2810 control board
- Compatible with LP or natural gas
- Provides diagnostic LED to aid in testing/troubleshooting



Specifications

Time Delays

- Pre-purge Time: 15 seconds
- Ignitor Warm Up Time: 18 seconds
- Post-Purge Time: 15 seconds
- Total Trials for Ignition: 3 (auto rest after 1 hour)
- Heat Blower On: 30 seconds
- Heat Blower Off: Selectable 90/120/150/180 seconds
- Fan (Heat) On/Off Delay: 1 second
- Cool On: 5 seconds
- Cool Off: 45 seconds

Electrical

- Voltage: Line (98 to 132 VAC) @ 60Hz
- Ignitor: 6A (resistive) @ 120 VAC
- Cool Blower: 6A @ 120 VAC
- Heat: 5A, ½ HP, 250 VAC
- Inducer Blower: 2.2FLA – 3.5LRA @ 120 VAC
- Gas Valve: 1.5A @ 24 VAC

Environmental

- Ambient Temperature:
 - Operating: -40°F to 176°F (-40°C to 80°C)
 - Storage: -40°F to 185°F (-40°C to 85°C)
- Humidity: 5% to 95% R.H. (non-condensing) at +55°C/131°F

Specifications

Goodman: PCBBF136 and PCBBF140