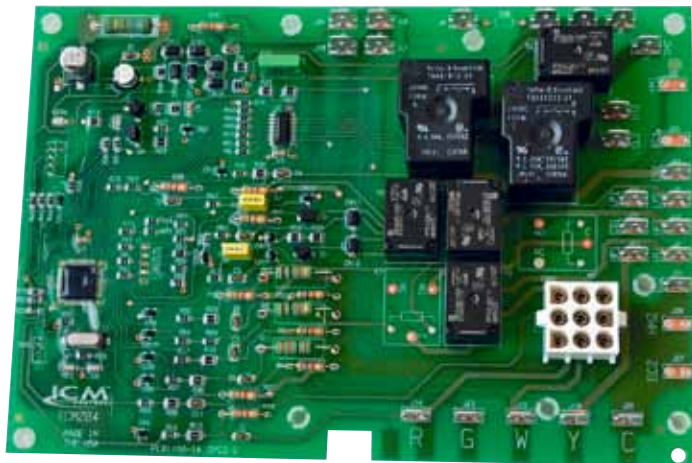




Low cost, direct replacement furnace control board



Features

- Controls vent motor, blower control, hot surface ignitor and gas valve
- Microprocessor based
- Designed for 100% gas shutoff in case of ignition failure
- Monitors timing, trial for ignition, flame sensing and lockout
- Diagnostic LEDs aid in testing/troubleshooting

Specifications

Electrical

- **Line Voltage Range:** 208 VAC @ 60Hz
- **Ignitor:** 5A resistive @ 208 VAC
- **Cool Blower:** 30 A, 2 HP, 240 VAC
- **Heat Blower:** 10 A, ½ HP, 250 VAC
- **Inducer Motor:** 4A, 208 VAC
- **Gas Valve:** 4A @ 24 VAC
- **Compressor:** 5A resistive @ 24 VAC

Environmental

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

Mode of Operation

The **ICM284** control is microprocessor based using software to determine the sequence of operation, timing, trial for ignition, flame sensing and lockout. The control monitors the status of the room thermostat, limit and rollout switches, air pressure switch and flame sensor before energizing the vent motor, blower control, hot surface ignitor, and gas valve. The control provides diagnostic codes (flashing LEDs) to aid in testing and troubleshooting.

Replaces

- **York:** S1-03101280000