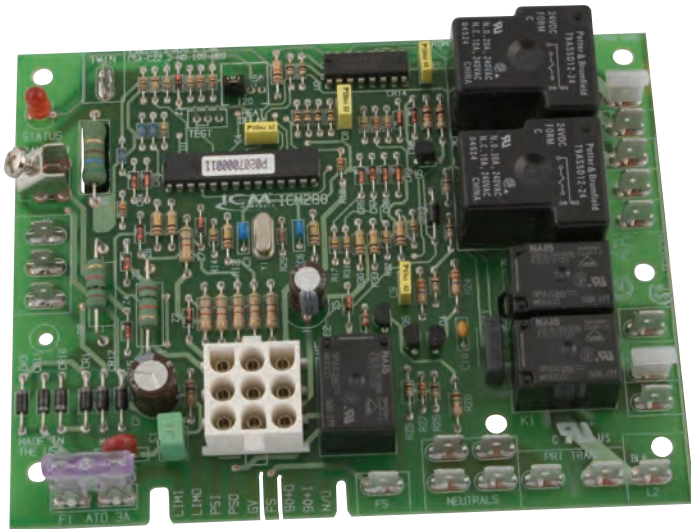




Low cost, direct replacement furnace control board.



Features

- Microprocessor based design for precise timing
- Functions with all 24 VAC thermostats
- Drop-in replacement for Goodman, Janitrol, Texas Instruments, White-Rodgers and UTEC
- Diagnostic fault codes (blinking LED) for simple troubleshooting
- Twinning compatible with another ICM280
- For 80+ and 90+ applications
- 9-pin card slot connection and 9-pin Molex connector on board
- UL recognized

Specifications

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
- Vibration: 13.8Hz @ 0.2 G's for one hour in each orthogonal axis
- Flame spread: UL 94-VO rating

Electrical

- Voltage range: Line (98 to 132 VAC) @ 60HZ
- Ignitor: 5A @ 120 VAC
- Cool blower: 10A, 2 HP, 240 VAC
- Heat: 5A, HP, 240 VAC
- Inducer motor: 4A, FLA-8.0 LRA @ 120 VAC
- Gas valve: 1.5A @ 30 VAC

Timing

- Trial for ignition: 7.0 seconds
 - Ignition activation period: 5 seconds
 - Flame establishing period: 2 seconds
- Flame failure response time: 0.8 seconds maximum
- Inducer pre-purge time: 1 second
- Inducer post-purge time: 25 seconds 80% furnace
29 seconds 90% furnace
- Ignitor warm up time:
 - 15 seconds, 1st trial
 - 20 seconds, 2nd and 3rd ignition trials
- Total trials for ignition:
 - 3 (automatically reset after 1 hour)
- Heat blower on delay: 30 seconds
- Heat blower off delays: 90, 120 and 150 seconds
- Cool blower on delay: 5 seconds
- Cool blower off delay: 60 seconds

Replaces

Goodman/Janitrol: B18099-06, B18099-08, B18099-10, B18099-13, B18099-13S

UTEC: 1012-933D

Texas Instruments: 41F-5

White-Rodgers: 50T35-730, 50T35-743