



Low cost, form, fit and functional 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°F to 176°F
 - Storage: -40°F to 185°F
- **Humidity:** 5% to 95% R.H. (non-condensing) @ +131°F
- **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, 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