



50A65-843

**50A65-843 UNIVERSAL NITRIDE IGNITION
INTEGRATED FURNACE CONTROL**

Control Gas Valve, Ignitor, Blower, Inducer, Humidifier and Air Cleaner. Replaces OEM, Trane, York, ICP and Amana models.

FEATURES

- Includes diagnostic indicator flash codes.
- Replaces 50A65-120, -143, -288, -474, -475 controls (consult Integrated Nitride Module Reference Chart below).
- Replaceable 3A fuse.
- 60 minute auto reset.
- Single channel flame sense.

SPECIFICATIONS

| | |
|-------------------------------------------|----------------------------------------------|
| Input Voltage | 25 VAC 50 / 60 Hz |
| Maximum Input Current @ 25 VAC . . . | 0.45 amp |
| Valve Relay | 1.5 amp @ 25 VAC 50 / 60 Hz 0.6 pf |
| Ignitor Relay | 6.0 amp @ 120 VAC 50 / 60 Hz (resistive) |
| Inducer Relay | 2.2 FLA – 3.5 LRA @ 120 VAC |
| Circulator Relay | 14.5 FLA – 25.0 LRA @ 120 VAC |
| Electronic Air Cleaner and Humidifier . . | 1 A @ 120 VAC |
| Operating Temperature Range | -40 to +175°F (-40 to +79°C) |
| Humidity Range | 5% to 93% relative humidity (non-condensing) |

TECHNICAL HELP

Wiring and configuration. see pages 202-203



| Model Number | Pre-purge | Delay Heat | | Delay Cool | | Auto Reset |
|--------------|-----------|------------|---------------------|------------|---------|------------|
| | | ON | OFF | ON | OFF | |
| 50A65-843 | 30 sec. | 30 / 45 | 60 / 90 / 120 / 180 | 5 | 45 / 90 | 60 minutes |

CROSS REFERENCE

50A65-843 Replaces:

| | |
|-----------|--------------|
| 10207717 | 50A65-288 |
| 10207720 | 50A65-289 |
| 10207720S | 50A65-474 |
| 10M9301 | 50A65-475 |
| 12L6901 | 50A65-843 |
| 32M8801 | 56L8401 |
| 350836 | CNT03742 |
| 3XA76 | D341213P01 |
| 50A65-120 | D341396P01 |
| 50A65-121 | X13120667010 |
| 50A65-143 | |