



**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 271-273

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:

- 10M9301
- 32M8801
- 50A65-120
- 50A65-143
- 50A65-288
- 50A65-474
- 50A65-475
- 50A65-843
- 56L8401
- D341213P01
- D341396P01

FURNACE