



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	