

**50A62-820 NITRIDE IGNITION
INTEGRATED FURNACE CONTROL**

Controls Gas Valve, Ignitor, Blower, Inducer, Humidifier and Air Cleaner. Replaces Lennox models

FEATURES

- Includes diagnostic indicator flash codes.
- Replaces 50A62-121.
- Remote flame sense.
- OEM test mode.
- Diagnostic LED indicators off during microcomputer self-check.

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
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 268-270

Model Number	Pre-purge	Delay Heat		Delay Cool		Auto Reset
		ON	OFF	ON	OFF	
50A62-820	15	45	60/90/120/180	0	0	60 minutes

NITRIDE IGNITOR

OEM Replacement for Nitride Ignitors

FEATURES

- AMP terminal receptacles with female sockets.
- White teflon coated leads.
- Steatite insulator with or without steel zinc plated mounting tabs.
- 54mm ignitor element length.

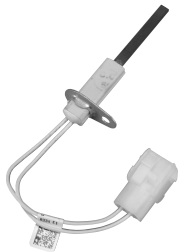
SPECIFICATIONS

Electrical Rating 80V, Frequency 50/60Hz, Wattage 92 watts

Model Number	W/R OEM Number	OEM Part Number	Description	Terminal Type
768A-842	768A-2	Amana 11111701	Nitride Ignitor	2 terminal AMP receptacle, .093 female sockets
768A-843	768A-143	Thermo Products 768A-143	Nitride Ignitor	2 terminal AMP receptacle, .084 female sockets
768A-844	768A-4	Lennox 41K5601	Nitride Ignitor	2 terminal AMP receptacle, .084 female sockets
768A-845	768A-5	Trane B340970P01	Nitride Ignitor	2 terminal AMP receptacle, .084 female sockets



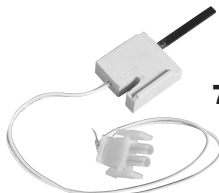
768A-842



768A-843



768A-844



768A-845