

Single Stage HSI Integrated Furnace Control Kit for PSC Blower Motors

21D83M-843 | LENNOX

Simple 80V Lennox replacement including
mounting plate and required accessories



Direct Drop-In Replacement

Direct replacement for 80V original
OEM control

Mounting matches original OEM model
with mounting plate included

Matches OEM blower delay timings



Streamline Inventory

Reduce truck stock by replacing
40+ part numbers

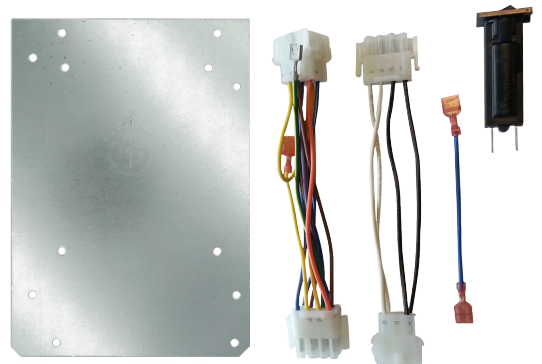
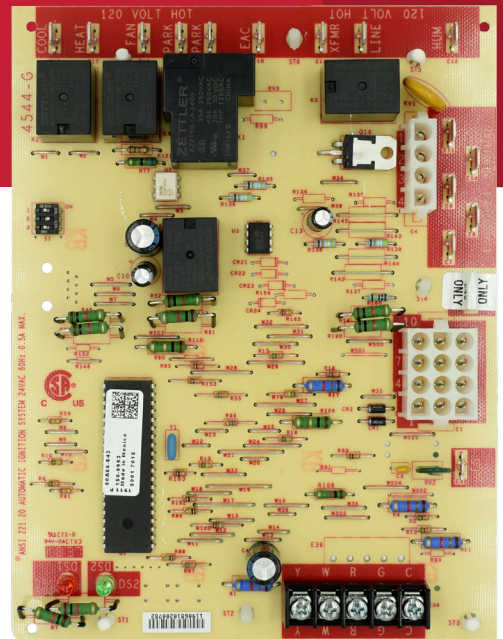


Fast Installation

OEM spade flame sense connection

Supports 24V or 120V humidifier operation

Ignitor replacement not required



not to scale

Lennox Single Stage HSI Integrated Furnace Control Kit for PSC Blower Motors

SPECIFICATIONS:

Electrical Ratings: [@ 77°F (25°C)]

Input Voltage 25 VAC 50/60 Hz
 Max. Input Current..... 45A @ 25 VAC
 Humidifier Load 1.0 amp @ 120 VAC
 Electronic Air Cleaner Load..... 1.0 amp @ 120 VAC

Flame Current Requirements:

Min. Current to ensure flame detection 0.25 µA DC*
 Max. current for non-detection 0.1 µA DC*
 Max. allowable leakage resistance 100 M Ohms

* Measured with a DC voltmeter in the flame probe lead

Operating Temp Range:..... -40° to 175°F (-40 to 79°C)

Humidity Range:..... 5% to 93% relative humidity (non-condensing)

Dimensions:..... 7.5" L x 5.745" W x 1.571" D

Agency Approvals:..... CSA - USA / Canada, UL recognized

1 Year Limited Warranty

KIT INCLUDES:

- | | |
|--------------------------------------|-------------------------|
| (1) 50A66-843 ignition control board | (4) Stand-off fasteners |
| (1) Wiring harness (9-pin to 12-pin) | (1) Circuit breaker |
| (1) Wiring harness (4-pin to 6-pin) | (1) 4" blue wire |
| (1) Mounting panel | (2) Wiring diagrams |

CROSS REFERENCES:

Lennox		White-Rodgers
	24L8501	
100925-01	30W2501	50A66-122
100925-03	32M8801	50A66-123
10M9301	50A62-120	56L8401
12L6901	50A62-121	63K8901
17W9201	50A62-820	69M0801
21D83M-843	50A65-120	69M1501
23W5101	50A65-121	83M00
		97L4801

THE WHITE-RODGERS MOBILE APP:

- Latest cross reference
- Installation instructions
- Spec sheets
- Product selection



TIMING SPECIFICATIONS:

Pre-purge	15
Heat delay to fan on	45
Heat delay to fan off	60/90/120/180
Cool delay to fan on	2
Cool delay to fan off	Feb-45
Auto reset	60 Minutes

** At 50 Hz, all timing specifications should be increased by 20%

Note: Timing in seconds unless otherwise noted.

