

Direct OEM Replacement is Fast and Easy.
First of its kind to replace both PSC/VS and ECMx applications.

D
OEM Direct

Carrier Two-Stage HSI Integrated Furnace Control Kits



Direct OEM Replacement Controls

- Fast drop-in OEM mounting
- Includes all required harnesses
- 120 VAC ignitor output
- Confirms installation with pushbutton self-test routine



Reduces stocking SKUs

- One SKU replaces several OEM and competitive models



Advance Diagnostics for Servicing

- Tri-color LED shows operational status and fault codes – Simple pushbutton to retrieve fault codes



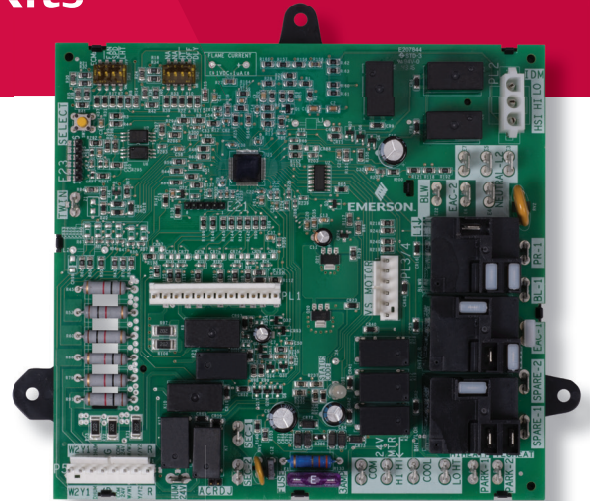
Premium Home Comfort

- Continuous low-speed fan option for better temperature balance and full-time air cleaning - easy dipswitch setup



Flame Current Test Pads

- Easy on-board checkout

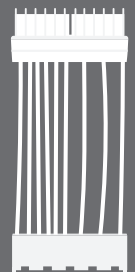


Two-Stage 21V51D-751

Replaces Carrier/ICP equipment brands
Blower Motor Types – PSC, Variable Speed and
ECMx with 120V Ignition

DID YOU KNOW?

This kit includes an additional harness to replace ICP Two-Stage applications
See back for cross reference



1-Year Limited Warranty

White-Rodgers™

EMERSON. CONSIDER IT SOLVED.™

21V51D-751 Two-Stage

Cross Reference

Carrier PSC / VS	
325879-751	HK42FZ010
CEPL130455-01	HK42FZ015
HK42FZ005	HK42FZ017
Carrier ECMx	
CEPL130948-01	HK42FZ028
CEPL130948-02	HK42FZ040
ICP PSC Only	
1172551	HK42FZ020
1172809	CEPL130591-01
HK42FZ019	CEPL130591-41
ICP ECMx	
1184408	
CEPL131043-01	
HK42FZ041	

ICM PSC/VS
ICM2807

White-Rodgers
21V51D-751
50V51-751

Specifications

Electrical Ratings

Input Voltage: 18 to 30 VAC, 60 Hz
Current: 0.8 amp @ 25 VAC

Flame Current Requirements:

Min current to insure flame detection: 0.25 μ A DC*
Max current for non-detection: 0.1 μ A DC
Max allowable leakage resistance: 150 M ohms
* Measuring with a DC voltmeter (1VDC = 1 μ A)

Operating Temperature Range:

-40° to 175°F (-40° to 80°C)

Mounting

Plastic tray

Humidity Range:

5 to 95% relative humidity (non-condensing)

Gases Approved:

Natural, Manufactured, Mixed, Liquefied Petroleum and LP Gas Air Mixtures are all approved for use.

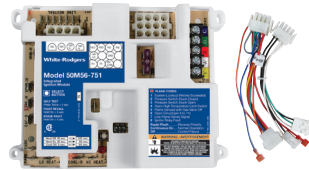
Timing Specifications

(All times are in seconds unless noted otherwise)

Pre-purge	Ignitor warm-up	Retries	Post-purge	Lockout time	Heat ON delay Low heat / High heat	Heat OFF delay	Cool ON delay	Cool OFF delay	Auto reset
15	17	3 times	15	240	45/25	90/120*/150/180	3	3/90*	60 mins

*default

50M56U-751 Single Stage



Replaces Carrier 325828-751
Fixed Speed Furnace Kit

Cross Reference

Carrier
325878-751
HK42FZ004
HK42FZ007
HK42FZ008
HK42FZ009
HK42FZ011
HK42FZ013
HK42FZ016
HK42FZ034
ICM
ICM282A
White-Rodgers
50M56-751

Specifications

Electrical Ratings [@ 77°F (25°C)]

Input Voltage: 25 VAC 50/60 Hz
Max. Input Current @ 25 VAC: 0.45 amp

Flame Current Requirements

Minimum current to insure flame detection: 1 μ A DC*
Maximum current for non-detection: 0.1 μ A DC*
Maximum allowable leakage resistance: 100 M ohms
* Measured with a DC microammeter in the flame probe lead

Operating Temperature Range

-40° to 175°F (-40° to 80°C)

Mounting

Plastic covers with screws

Humidity Range:

5 to 95% relative humidity (non-condensing)

Gases Approved:

Natural, Manufactured, Mixed, Liquefied Petroleum and LP Gas Air Mixtures are all approved for use.

Timing Specifications

(All times are in seconds unless noted otherwise)

Pre-purge	Ignitor warm-up	Retries	Post-purge	Lockout time	Heat ON delay	Heat OFF delay	Cool ON delay	Cool OFF delay	Auto reset
30	17	2 times	25	275	25/60*	90/120*	2	5/90*	60 mins

*default

R-4612



Download the app for
product information

White-Rodgers

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