

Carrier single stage HSI integrated furnace control

50M56D-751

*Upgrades older "Edge Card" systems
to modern ignition electronic*



Easy installation & service

- Direct OEM mounting with pre-wired ready-to-install control
- Dipswitch selections and fault codes silk screened on control
- Flame current test pins



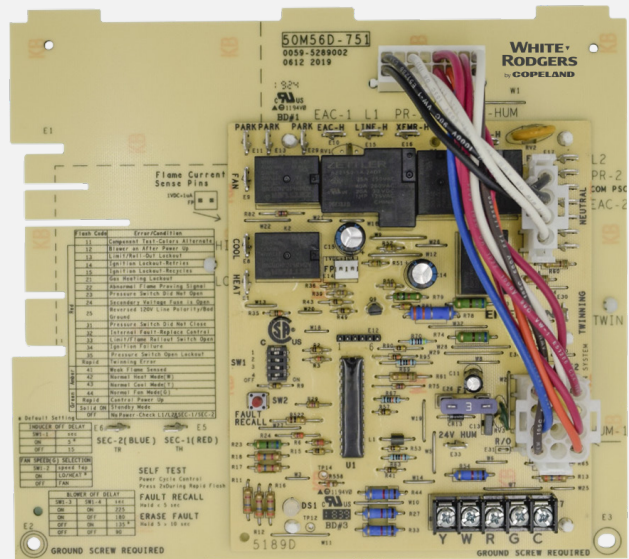
Flexible design

- Extra "fan only" blower speed tap
24V and 120V humidifier options



Advanced diagnostics

- Fault recall and clearing button
- Tri-Color LED displays status and fault codes



Electrical ratings

Input low voltage: 24 vac 60 hz

Input line voltage: 120 vac 60 hz

Max input current: 0.45 A @ 24 vac relay contact ratings

Flame current requirements

Minimum current to ensure flame detection: 0.25 μ A DC

Maximum current for non-detection: 0.1 μ A DC

Maximum allowable leakage resistance: 100 m ohms

Operating temperature range

-40° To 176°F (-40° to 80°C)

Humidity Range

5-95% relative humidity (non-condensing)

Gases Approved

Natural, Manufactured, Mixed, Liquefied Petroleum, and LP Gas-Air Mixtures

Dimensions

7.625" L x 8.5" W x 3.50"H

Agency Approvals

UL USA/Canada

1 Year Limited Warranty

Timing specifications:

Pre-Purge	Ignitor warm-up (adaptive, starts at 17s)	Ignitor Activation Period	Blower Heat ON Delay	Post-Purge	Blower Heat Off Delay
15	5-21	3	*45, 66	*5/15	90, *135, 180

* Denotes factory default.

Cross reference:

Carrier

784-83-10H

784-9-I

CESO110020

CESO110048

CESO110057-00

CESO110057-01

CESO110057-02

HH84AA016

PCB1201-2A

ICM

ICM281

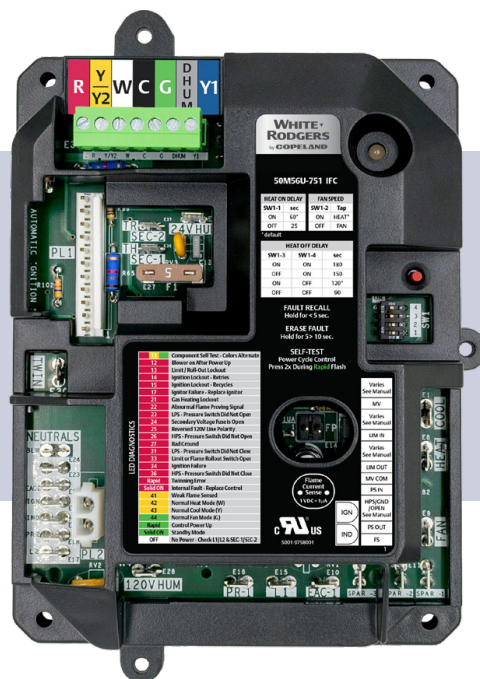
L43-836

White-Rodgers

L50-820

50M56U-751 INTEGRATED FURNACE CONTROL

For newer single stage PSC applications use the 50M56U-751 Integrated Furnace Control which replaces 33 Carrier/ICP part numbers



The White-Rodgers mobile app:

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



Customer Service or Technical Help: 888-725-9797
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