

# Carrier Single Stage HSI Integrated Furnace Control Kit

## 50M56U-751

### Replaces:

White-Rodgers 50M56-751 and Virtually All Carrier Single Stage HSI Controls with 120V Igniters

### Specifications

#### Electrical Ratings [ @ 77°F (25°C) ]

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

#### Relay Load Ratings

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

#### Flame Current Requirements

Minimum current to insure flame detection: 1 µa DC\*  
Maximum current for non-detection: 0.1 µa 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)

#### Humidity Range

5% to 93% relative humidity (non-condensing)

#### Mounting

Surface mount multipoise

#### Timing Specifications ( @ 60 Hz\*\* )

Flame Establishing Time: 0.8 sec  
Flame Failure Response Time: 2.0 sec  
\*\*At 50 Hz, all timing specifications should be increased by 20%  
Gases Approved: Natural, Manufactured, Mixed, Liquefied Petroleum and LP Gas/Air Mixtures are all approved for use.

#### Dimensions

5.25" W x 7" H x 1.25" D



Integrated Furnace Module Kit - 50M56U-751

### Benefits



- Replaces more controls than any other kit
- Complete upgrade with new ignitor included
- Covered control with fault and service information on the label
- Adds push button fault recall and dedicated FAN only speed to many units

### 50A56-956 Cross Reference

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

**Direct Replacement Is Fast and Easy**