

York Single Stage HSI Integrated Furnace Control Kit

50A56-956

Replaces:

White-Rodgers 50A56-242 and 50A56-243 and Virtually All York Single Stage HSI Controls with 120V Ignitors

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 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

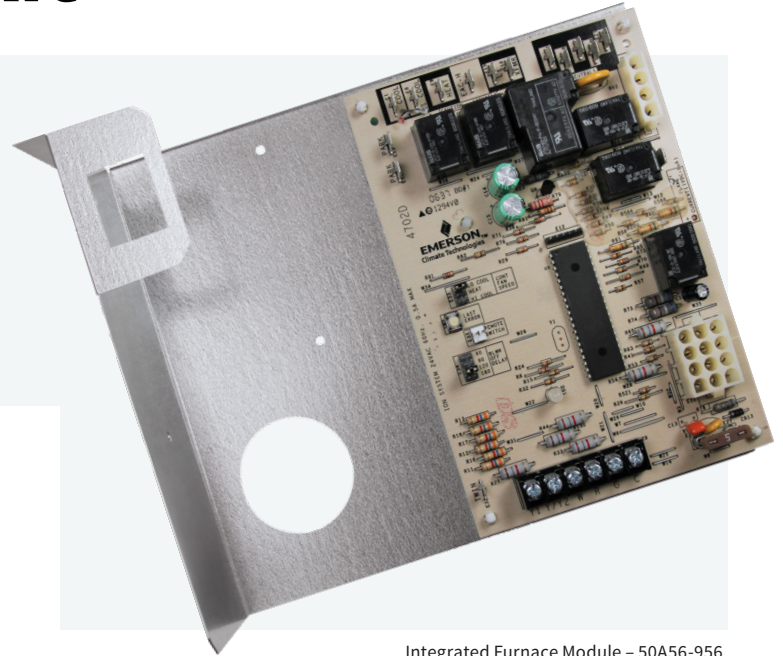
-40° to 175°F (-40° to 80°C)

Humidity Range

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

Mounting

Surface mount multipoise



Integrated Furnace Module – 50A56-956



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

4.4" W x 5.9" H x 1.25" D

50A56-956 Cross Reference

York		White-Rodgers
265901	S1-03101284000	50A56-242
265902	S1-03101933000	50A56-243
539617	S1-03101972000	50A56-956
S1-03100662000	S1-03101973000	ICM
S1-03101250000	S1-03109167000	
S1-03101266000	S1-33102956000	
S1-03101267000	S1-33103010000	
S1-03101267001		
		ICM2808 (PCB Only)

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