



50A56-956

50A56-956 YORK SINGLE STAGE INTEGRATED HSI FURNACE CONTROL KIT

Controls Gas Valve, Ignitor, Blower, Inducer, Humidifier (120V), and Air Cleaner. Replaces OEM York and White-Rodgers Models

FEATURES

- System Diagnostics LED with fault recall.
- Twinning connection.
- Fused to protect low voltage system transformers.
- Selectable continuous fan speed.
- Third fan speed.
- Two-stage cooling Y2 input.

SPECIFICATIONS

Operating Temperature -40 to 176°F
 Humidity Range 5% to 93% RH (non-condensing)
 Mounting Snap in standoffs

Electrical Ratings @ 77°F (25°C)
 Input Voltage 25 VAC 50 / 60 Hz
 Maximum Input Current @ 30 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
 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 uA DC
 Maximum current for non-detection 0.10 uA DC
 Maximum allowable leakage resistance 100 M ohms

Timing Spec (@ 60 Hz) maximum
 Flame establishing time 0.8 sec
 Flame failure response time 2.0 seconds

NOTE: At 50 Hz, all timing specifications should be increased by 20%.

Model Number	Pre-Purge Time	Heat Delay-To-Fan-On	Heat Delay-To-Fan-Off	Cool Delay-To-Fan-On	Cool Delay-To-Fan-Off	Post Purge
NEW 50A56-956	0 sec	30	60 / 90 / 120 / 180	0	60	15 sec

CROSS REFERENCE

50A56-956 Replaces:

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

NOTE: Can also use Universal Kit 50M56U-843

HEATING