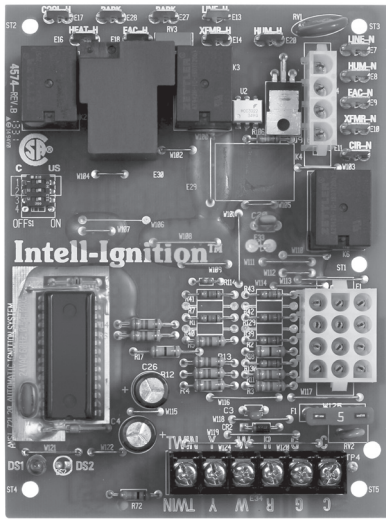


HEATING



50A55-5165

50A65-5165 TRANE SINGLE STAGE 80V IGNITION INTEGRATED HSI FURNACE CONTROL

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

FEATURES

- Includes flash code diagnostics.
- Twinning connection.
- Fused to protect low voltage system transformers.

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 2.0 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)

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 50A65-5165	0 sec	45	60 / 100 / 140 / 180	2	0 / 80	5 sec

CROSS REFERENCE

50A55-5165 Replaces:

Trane	White-Rodgers
CNT03076	50A65-474
CNT03798	50A65-475
CNT05164	50A65-476
CNT05165	
D341213P01	
D341396P01	
D341396P03	
D341396P04	
D341396P05	

NOTE: Can also use Universal Kit 50M56U-843