

# Trane Single Stage – 80V Ignitor HSI Integrated Furnace Control Kit

## 50A65-5165

### Replaces:

White-Rodgers and Trane Single Stage HSI Controls with 80V 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: 2.0 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  $\mu$ a DC\*

Maximum current for non-detection: 0.1  $\mu$ 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 – 50A65-5165

### 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

## 50A65-5165 Cross Reference

Trane	White-Rodgers
CNT03076	50A65-474
CNT03798	50A65-475
CNT05164	50A65-476
CNT05165	50A65-5165
D341213P01	
D341396P01	
D341396P03	
D341396P04	
D341396P05	

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