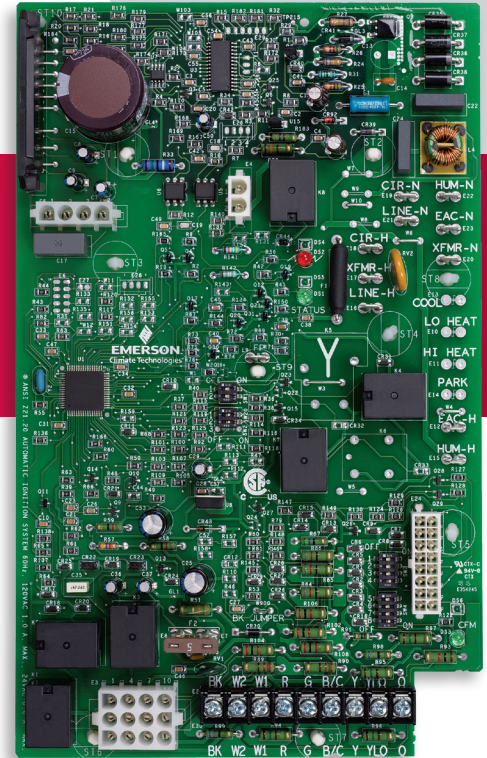


Trane Two-Stage Furnace Control for Variable Speed Blower & Inducer Motors

50V54-820

D
OEM Direct

Direct OEM replacement for
80V or 120V ignitor applications



Direct OEM Replacement

Fast drop-in OEM mounting for XV95 furnaces
Includes 120V ignitor and harness to service 80V and 120V applications
Detailed installation instructions



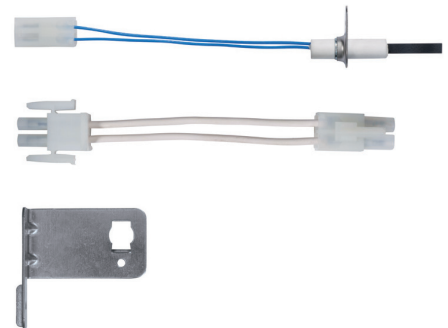
Advanced Diagnostics

LED fault recall and status codes



Complete Cross Reference

Extensive and up-to-date cross reference by OEM model number



50V54-820 replaces
previous model 50V64-743

Trane Two-Stage Furnace Control for Variable Speed Blower and Inducer Motors

50V54-820 Direct OEM replacement for 80V or 120V ignitor applications

SPECIFICATIONS:

Electrical Ratings:

Input Voltage: 25VAC, 60 Hz
 Max Input Current: @ 25VAC 525 mA + MV
 Inducer Output: 3 Phase

Relay Contact Ratings:

Gas Valve Relay: 1.5A @ 30 VAC, 0.6 pf
 Ignitor Relay: 2.0A @ 120 VAC
 Humidifier Load: 1.0A @ 120 VAC
 Electronic Air Cleaner Load: 1.0A @ 120 VAC

Flame Current Requirements:

Min current to insure flame detection: 1.0 μ A DC*
 Max current for non-detection: 0.1 μ A DC*
 Max allowable leakage resistance: 100 M ohms
 * Measured with a DC microammeter in series with the flame probe lead

Timing Specifications:

(All times are in seconds unless noted otherwise)

Ignition warm-up	Ignition activation period	Heat ON delay	Post-purge	Blower OFF delay	Cooling ON delay
20	2	45	5	60/100*/140/180	0

* Denotes factory default

50V54-820 CROSS REFERENCE REPLACEMENT:

Trane/American Standard Brands		White-Rodgers
CNT03777	D342062P01	50V54-507
CNT04678	D342263P01	50V54-571
CNT04985	D342263P02	50V54-820
CNT05160	D342263P03	50V64-495
CNT06017	D342263P04	50V64-507
CNT06585	D343687P01	50V64-743
	D343687P02	
	KIT15816	

Operating Temperature Range:

-40° to 176° F (-40° to 80° C)

Humidity Range:

5 to 95% relative humidity (non-condensing)

Agency Approvals:

CSA - USA/Canada

Gases Approved:

Natural, Manufactured, Mixed, Liquefied Petroleum, and LP Gas-Air Mixtures are all approved for use

1 Year Limited Warranty

TRANE OEM DIRECT REPLACEMENT 120V IGNITOR

789A-820

Included in furnace control kit but also sold separately

- Ignitor with OEM wiring plug connector
- Trane mounting bracket plus screws



Replaces Trane models:

- D156805P01
- IGN00146
- IGN00152



Download the app for product information