

Trane commercial packaged units HSI/DSI controls

50E70-820 & 50N02B-820

Fast and easy OEM direct replacement for single and two-stage applications



Direct OEM replacement control

Fast drop-in OEM mounting on Trane packaged units



Easy to install

- 50N02A and B adapter kit sold separately to save you money on parts you may not need
- 50E70 kit includes everything needed for an easy and fast replacement



Complete cross reference

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



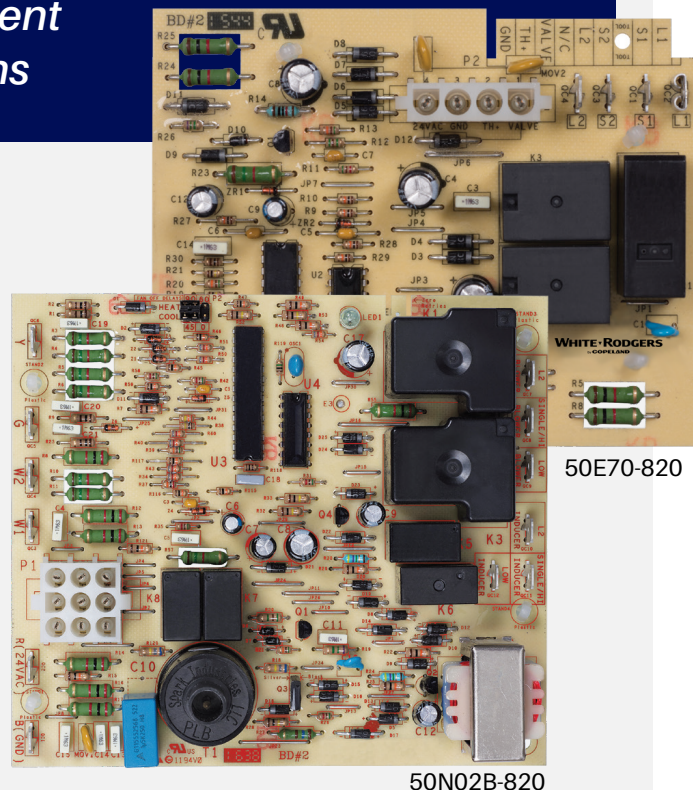
Source with other HVAC controls

Save time by finding these boards at your local HVAC distributor

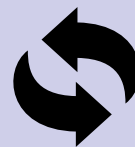


Support

Customer and technical support is available seven days a week at 888-725-9797



1-year limited warranty

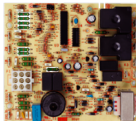
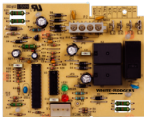


Did you know?

Trane packaged unit ignition controls are now available from your local HVAC distributor

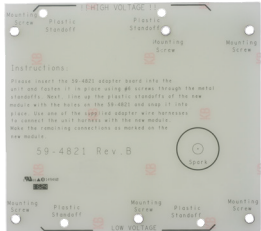
WHITE-RODGERS
by **COPELAND**

Direct drop-in replacements



Specifications

	Non-integrated HSI 50E70-820	Integrated two-stage DSI 50N02A-820	Integrated two-stage DSI 50N02B-820
Operating temperature	-40° to 158°F	-40° to 175°F	-40° to 175°F
Humidity range	10% to 95% RH	10% to 95% RH	10% to 95% RH
Mounting	Stand-offs / adapter board	Stand-offs	Stand-offs
Electrical ratings @ 77°F (25°C)			
Input voltage	24 VAC, 50/60 Hz	24 VAC, 50/60 Hz*	24 VAC, 50/60 Hz*
Maximum input current @ 25 VAC		350 mA + MV*	350 mA + MV*
Flame current requirements			
Minimum current to insure flame detection	1 µA DC*	1.2 µA DC*	1.2 µA DC*
Nominal current		4.5 µA DC*	4.5 µA DC*
Maximum current for non-detection	0.1 µA DC*		
Maximum allowable leakage resistance	100 M ohms		
Timing Spec (@ 60 Hz) maximum			
Flame establishing time	0.8 sec	0.8 sec	0.8 sec
Flame failure response time	2.0 sec	2.0 sec	2.0 sec
Technical Help			
Pre-purge	0	20	20
Ignitor warm-Up	45		
Retries		2	2
Heat ON delay (Low Heat)		45	45
Heat OFF delay		60/90	60/90
Cool ON delay		0	0
Cool OFF delay		0/80	0/45
Automatic reset time	60 min	60 min	60 min
Post purge	0	5	5



F50N02-820 Furnace Adapter Board

Used with 50N02A or B Controls
Only required for first time board
replacements or older kits

Cross reference

21D70-495-01	50E70-820
21D70-495-02	50E70-820
3HS-1	50E70-820
3HS-2 Rev A	50E70-820
3HS-2 Rev D	50E70-820
3SV-2	50E70-820
50E70-820	50E70-820
50N02-495-01	50N02A-820
50N02-495-02	50N02A-820
50N02A-820	50N02A-820
50N02B-820	50N02B-820
CNT01634	50N02A-820
CNT01669	50N02A-820
CNT02216	50N02A-820
CNT02217	50N02A-820
CNT02219	50N02B-820
CNT03456	50N02A-820
CNT03457	50N02A-820
CNT03458	50N02B-820
CNT04912	50N02B-820
CNT05135	50N02B-820
D674713P01	50N02B-820
F50N02-820	F50N02-820
KIT03308	50E70-820
KIT05137	50E70-820
KIT06839	F50N02-820
KIT08282	50E70-820
KIT17852	50E70-820
X13120662010	F50N02-820
X13130449-01	50E70-820
X13130453-01	50E70-820
X13130454-01	50E70-820
X13130454-02	50E70-820
X13650873-01	50N02A-820
X13650874-01	50N02A-820
X13650875-01	50N02B-820

The White-Rodgers mobile app:

- Cross referencing
- Product information
- Product selection

