



**50A55-843 UNIVERSAL SILICON CARBIDE
INTEGRATED FURNACE CONTROL**

Controls Gas Valve, Ignitor, Blower, Inducer, Humidifier and Air Cleaner. Replaces Most Trane, York, ICP and Amana White-Rodgers models.

FEATURES

- Includes flash code diagnostics.
- Replaces 50A50 and 50A55 controls (consult Integrated Silicon Carbide Module Reference Chart below).
- Fused to protect low voltage system transformers.
- Includes mounting hole template.
- Adjustable blower relay.

SPECIFICATIONS

Input Voltage	25 VAC 50 / 60 Hz
Maximum Input Current @ 25 VAC . . .	0.45 amp
Valve Relay	1.5 amp @ 25 VAC 50 / 60 Hz 0.6 pf
Ignitor Relay	6.0 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
Operating Temperature Range	-40 to +175°F (-40 to +79°C)
Humidity Range	5% to 93% relative humidity (non-condensing)



TECHNICAL HELP

Wiring / configuration / troubleshooting see pages 189-197

Model Number	Pre-purge	Delay Heat		Delay Cool		Auto Reset
		ON	OFF	ON	OFF	
50A55-843	30 sec.	30 / 45	60 / 90 / 120 / 180	5	45 / 90	60 minutes

CROSS REFERENCE

50A55-843 Replaces:

031-00662	1380699	50A50-240	50A55-286
031-00662-000	1380-699	50A50-241	50A55-288
031-00662-700	350486	50A50-245	50A55-438
03101250000	3XA75	50A50-285	50A55-474
031-01250-000	4DG53	50A50-286	50A55-571
031-01250-700	4DG54	50A50-288	50A55-843
031-01266-000	4DG55	50A50-295	52537074000
031-01266-700	4DG56	50A50-296	52537077000
031-01284-000	50A50-110	50A50-298	5253733900
1010806	50A50-111	50A50-405	8068142
10207701	50A50-112	50A50-406	8068561
10207702	50A50-113	50A50-407	8068563
102077-02	50A50-130	50A50-408	99958174
10207703	50A50-131	50A50-438	99958175
102077-03	50A50-142	50A50-471	CNT03740
10207704	50A50-143	50A50-472	D330927P01
102077-04	50A50-205	50A50-473	D330930P01
10207706	50A50-206	50A50-474	D330934P01
102077-09	50A50-207	50A50-475	D340035P01
10207710	50A50-208	50A50-571	D340354P01
10207714	50A50-209	50A55143	D340774P01
10207719	50A50-210	50A55-143	X13120666010
10334901	50A50-215	50A55-241	X445901
1380686	50A50-216	50A55-245	
1380-686	50A50-229	50A55-250	
1380698	50A50-230	50A55-285	