



50E47-843

**UNIVERSAL 50E47-843 NON-INTEGRATED HSI
IGNITION MODULE**

The Universal 50E47-843 Replaces ALL White-Rodgers 50E47-XXX Modules and Virtually All Competitive Silicon Carbide, Non-Integrated Modules. Includes a Complete Module Cross Reference and Program Keys for Fast and Accurate Replacement

FEATURES

- Program keys for multiple timing selections.
- Tri-colored LED indicator for diagnostics.
- Direct and indirect flame sense compatible.
- Universal design for maximum versatility.

SPECIFICATIONS

Dimensions	4.13"W x 4.13"H x 1.5"D
Electrical rating	Input 18 to 30 VAC, 25 VAC nominal, Max. input current @ 25 VAC; .250mA @ 28 VAC
Relay load settings	Valve relay: 1.5 amps @ 28 VAC, 50/60 Hz, .6 pf Ignitor relay: 1.52A, 120 VAC, 50/60 Hz resistive
Operating temperature	-40° to +175°F (-40° to +80°C)
Humidity range	95% RH (non-condensing) max.
Mounting	Surface mount or 4" x 4 junction box
Applications	For use with all gases
Flame current requirements	Min. current to insure flame: 2 µADC Min. current for non-detection: 0.2 µADC Max. allowable leakage resistance: 100 M Ohms

Non-integrated Silicon Carbide Module Reference Chart – 50E47-843 Replaces:

50D47-140	50E47-40	HS780-17NL-304A	HS780-34NL-308A	S890G 1011
50D47-150	50E47-50	HS780-17NL-306A	HS780-34NL-312A	S890G 1029
50D47-160	50E47-60	HS780-17NL-308A	HS780-34NR-104A	S890G 1037
50D47-161	50E47-70	HS780-17NR-104A	HS780-34NR-106A	S890H 1002
50D47-170	50E47-843	HS780-17NR-106A	HS780-34NR-304A	S890H 1010
50D47-50	50F47-60	HS780-17NR-108A	HS780-34NR-306A	S890H 1028
50D47-60	780-780	HS780-17NR-304A	HS780-34NR-308A	S8910U 1000
50D47-70	780-783	HS780-17NR-306A	HS780-34NR-312A	S89C 1004
50E47-1	780-784	HS780-17NR-308A	HS780-34PL-104A	S89C 1012
50E47-10	780-785	HS780-17NR-312A	HS780-34PL-106A	S89C 1046
50E47-101	780-786	HS780-17PL-106A	HS780-34PL-108A	S89C 1079
50E47-110	780-787	HS780-17PL-108A	HS780-34PL-304A	S89C 1087
50E47-120	780-788	HS780-17PL-304A	HS780-34PL-306A	S89C 1103
50E47-130	780-789	HS780-17PL-306A	HS780-34PL-308A	S89D 1002
50E47-140	780-790	HS780-17PL-308A	HS780-34PR-106A	S89G 1005
50E47-150	780-910	HS780-17PR-104A	HS780-34PR-108A	S89G 1013
50E47-160	832-002	HS780-17PR-108A	HS780-34PR-304A	S89G 1021
50E47-161	832-005	HS780-17PR-306A	HS780-34PR-306A	S89G 1047
50E47-170	833-002	HS780-34NL-106A	HS780-34PR-308A	S89H 1003
50E47-20	HS780-17NL-104A	HS780-34NL-108A	S890C 1007	S89H 1011
50E47-30	HS780-17NL-106A	HS780-34NL-304A	S890D 1006	S89H 1029
	HS780-17NL-108A	HS780-34NL-306A	S890G 1003	S89J 1008

Agency A.G.A. and C.G.A. design certified



TECHNICAL HELP

Wiring operation and troubleshooting See pages 280-283

NEW!

Model Number	PROGRAM KEY (COLOR)	TRIAL FOR IGNITION	RETRIES	PREPURGE	IGNITOR WARMUP
50E47-843	A (blue)	4 Sec.	0	30 Sec.	45 Sec.
	B (red)	4 Sec.	2	30 Sec.	45 Sec.
	C (green)	7 Sec.	0	30 Sec.	45 Sec.
	D (violet)	7 Sec.	2	30 Sec.	45 Sec.
	E (orange)	4 Sec.	2	30 Sec.	17 Sec.
	F (yellow)	7 Sec.	2	30 Sec.	17 Sec.