

50E47-843

UNIVERSAL 50E47-843 NON-INTEGRATED HSI IGNITION MODULE

The Universal 50E47-843 Replaces White-Rodgers 50E47 Modules and Many 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
Agency	A.G.A. and C.G.A. design certified



TECHNICAL HELP

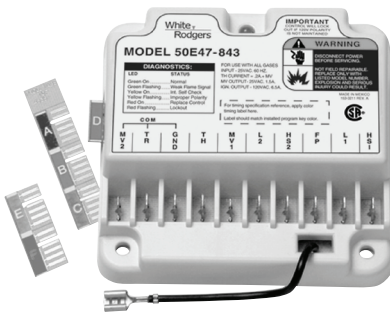
Wiring operation and troubleshooting See pages 204-207

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.

CROSS REFERENCE

50E47-843 Replaces:

0050050	50D47-160	50E47-120	50F47-101	780-910	HS780-17NR-312A	HS780-34PL-106A	S89C1004
025-25436-000	50D47-161	50E47-130	50F47-140	832-002	HS780-17PL-106A	HS780-34PL-108A	S89C1012
02525436700	50D47-170	50E47-140	50F47-160	832-005	HS780-17PL-108A	HS780-34PL-304A	S89C1046
025-25436-700	50D47-20	50E47-150	50F47-40	833-002	HS780-17PL-304A	HS780-34PL-306A	S89C1079
1001346	50D47-260	50E47-160	50F47-60	995395	HS780-17PL-306A	HS780-34PL-308A	S89C1087
10376732	50D47-270	50E47-161	50G47-1	99796380	HS780-17PL-308A	HS780-34PR-106A	S89C1103
120-08027	50D47-40	50E47-170	50G47-130	99905232	HS780-17PR-104A	HS780-34PR-108A	S89D1002
1300-4928	50D47-50	50E47-20	50G47-140	C6411102	HS780-17PR-108A	HS780-34PR-304A	S89G1005
1380694	50D47-60	50E47-260	50G47-150	CNT03776	HS780-17PR-306A	HS780-34PR-306A	S89G1013
2076-0184	50D47-70	50E47-30	50G47-160	CNT03794	HS780-34NL-106A	HS780-34PR-308A	S89G1021
350760	50D47-905	50E47-40	50G47-40	HS780-17NL-104A	HS780-34NL-108A	S8610U1000	S89G1047
3591-1306	50D47-915	50E47-50	50G47-60	HS780-17NL-106A	HS780-34NL-304A	S890C1007	S89H1003
3XA74	50D47-925	50E47-560	6279527	HS780-17NL-108A	HS780-34NL-306A	S890D1006	S89H1011
4CZ50	50D47-935	50E47-60	780-780	HS780-17NL-304A	HS780-34NL-308A	S890G1003	S89H1029
4E954	50D47-945	50E47-70	780-783	HS780-17NL-306A	HS780-34NL-312A	S890G1011	S89J1008
4E955	50D47-955	50E47-841	780-784	HS780-17NL-308A	HS780-34NR-104A	S890G1029	X13130437070
4E956	50D47-965	50E47-843	780-785	HS780-17NR-104A	HS780-34NR-106A	S890G1037	X13130437080
50D47-1	50D47-975	50E47-850	780-786	HS780-17NR-106A	HS780-34NR-304A	S890H1002	X324601
50D47-101	50E47-1	50E47-851	780-787	HS780-17NR-108A	HS780-34NR-306A	S890H1010	
50D47-120	50E47-10	50E47-860	780-788	HS780-17NR-304A	HS780-34NR-308A	S890H1028	
50D47-140	50E47-101	50E47-861	780-789	HS780-17NR-306A	HS780-34NR-312A	S8910U	
50D47-150	50E47-110	50E47-870	780-790	HS780-17NR-308A	HS780-34PL-104A	S8910U1000	



50E47-843

UNIVERSAL 50E47-843 NON-INTEGRATED HSI IGNITION MODULE

The Universal 50E47-843 Replaces White-Rodgers 50E47 Modules and Many 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
Agency	A.G.A. and C.G.A. design certified



TECHNICAL HELP

Wiring operation and troubleshooting See pages 204-207

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.

CROSS REFERENCE

50E47-843 Replaces:

0050050	50D47-160	50E47-120	50F47-101	780-910	HS780-17NR-312A	HS780-34PL-106A	S89C1004
025-25436-000	50D47-161	50E47-130	50F47-140	832-002	HS780-17PL-106A	HS780-34PL-108A	S89C1012
02525436700	50D47-170	50E47-140	50F47-160	832-005	HS780-17PL-108A	HS780-34PL-304A	S89C1046
025-25436-700	50D47-20	50E47-150	50F47-40	833-002	HS780-17PL-304A	HS780-34PL-306A	S89C1079
1001346	50D47-260	50E47-160	50F47-60	995395	HS780-17PL-306A	HS780-34PL-308A	S89C1087
10376732	50D47-270	50E47-161	50G47-1	99796380	HS780-17PL-308A	HS780-34PR-106A	S89C1103
120-08027	50D47-40	50E47-170	50G47-130	99905232	HS780-17PR-104A	HS780-34PR-108A	S89D1002
1300-4928	50D47-50	50E47-20	50G47-140	C6411102	HS780-17PR-108A	HS780-34PR-304A	S89G1005
1380694	50D47-60	50E47-260	50G47-150	CNT03776	HS780-17PR-306A	HS780-34PR-306A	S89G1013
2076-0184	50D47-70	50E47-30	50G47-160	CNT03794	HS780-34NL-106A	HS780-34PR-308A	S89G1021
350760	50D47-905	50E47-40	50G47-40	HS780-17NL-104A	HS780-34NL-108A	S8610U1000	S89G1047
3591-1306	50D47-915	50E47-50	50G47-60	HS780-17NL-106A	HS780-34NL-304A	S890C1007	S89H1003
3XA74	50D47-925	50E47-560	6279527	HS780-17NL-108A	HS780-34NL-306A	S890D1006	S89H1011
4CZ50	50D47-935	50E47-60	780-780	HS780-17NL-304A	HS780-34NL-308A	S890G1003	S89H1029
4E954	50D47-945	50E47-70	780-783	HS780-17NL-306A	HS780-34NL-312A	S890G1011	S89J1008
4E955	50D47-955	50E47-841	780-784	HS780-17NL-308A	HS780-34NR-104A	S890G1029	X13130437070
4E956	50D47-965	50E47-843	780-785	HS780-17NR-104A	HS780-34NR-106A	S890G1037	X13130437080
50D47-1	50D47-975	50E47-850	780-786	HS780-17NR-106A	HS780-34NR-304A	S890H1002	X324601
50D47-101	50E47-1	50E47-851	780-787	HS780-17NR-108A	HS780-34NR-306A	S890H1010	
50D47-120	50E47-10	50E47-860	780-788	HS780-17NR-304A	HS780-34NR-308A	S890H1028	
50D47-140	50E47-101	50E47-861	780-789	HS780-17NR-306A	HS780-34NR-312A	S8910U	
50D47-150	50E47-110	50E47-870	780-790	HS780-17NR-308A	HS780-34PL-104A	S8910U1000	