



**50M56U-843**

- Includes:
- Module
  - Ignitor Kit
  - Wiring Harness



**50M56U-843 KIT REPLACES:**

Virtually All White-Rodgers and Competitive Single Stage Carbide and Nitride HSI Systems. Replaces All OEM Models – 80 Volts or 120 Volts Ignitor Applications.  
Replaces More Models Than Honeywell S9200U1000.

**FEATURES**

- 3 Fan Speeds – cool, low heat & high heat speeds.
- Universal nitride ignitor kit – 21D64-2.
- 9 quick-select/quick-connect wiring harnesses.
- Red LED diagnostic flash codes with stored fault recall.
- Low voltage fuse protection, 3A replaceable automotive type.
- Humidifier & Electronic Air Cleaner connections (optional).

**SPECIFICATIONS**

Electrical Rating:  
 Input Voltage . . . . . 25 VAC 50/60 Hz  
 Max. Input Current . . . . . 25 VAC: 0.45 amp  
 Gas Valve Relays . . . . . 1.5 amp @ 25 VAC 50/60 Hz  
 Inducer Relay . . . . . 2.2 FLA–3.5 LRA @ 120 VAC  
 Circulator Relay . . . . . 14.5 FLA–25.0 LRA @ 120 VAC  
 Ignitor Relay . . . . . 6.0 amp @ 120 VAC 50/60 Hz (resistive)  
 Flame Current Requirements:  
 Minimum current to insure flame detection . . . . . 1 µA DC\*  
 Maximum current for non-detection . . . . . 0.1 µA DC\*  
 Maximum allowable leakage resistance 100 M ohms  
 \*Measured with a DC microammeter in the flame probe lead  
 Operating Temperature Range . . . . . -40° to 176°F (-40° to 80°C)  
 Flame Failure Response Time . . . . . 2.0 sec

**PARTS AND ACCESSORIES** See end of this section for parts and accessories

**TECHNICAL HELP**

Wiring Diagram. . . . . See pages 209-212

Model Number	Pre-Purge	Ignitor Warm-Up	Retries	Heat Delay to Fan ON	Heat Delay to Fan OFF	Cool Delay to Fan ON	Cool Delay to Fan OFF	Automatic Reset Time
50M56U-843	30	17	2	30	100/150	6	45	60 minutes

**50M56U-843 Replaces:**

031-00662	1380-699	50A50-473	62-24268-03
031-00662-000	265901	50A50-474	624557
031-00662-700	265902	50A50-475	6245570
031-01250-000	3101250000	50A50-571	624564
031-01250-700	3101973000	50A55143	6245640
031-01266-000	32M88	50A55-143	624591
031-01266-700	32M8801	50A55-241	624591-x
031-01284-000	331-01933-000	50A55-245	624628
031-09166-000	33101972200	50A55-250	624628-0
031-09167-000	331-09167-000	50A55-285	6246310
100925-03	350486	50A55-286	624631-0
1010806	350836	50A55-288	624631A
1012-83-9336AHSC1	41F-5	50A55-289	695-200
1012-83-9337A	50A50-110	50A55-474	69M08
1012-925A	50A50-111	50A55-476	6DT-1
1012-925B	50A50-112	50A55-571	6DT-2
1012-925C	50A50-113	50A55-843	710128A
1012933D	50A50-130	50A56-242	8068561
1012-933D	50A50-131	50A56-243	8068563
10207701	50A50-142	50A65	902378
10207702	50A50-143	50A65-120	902696
102077-02	50A50-205	50A65-121	903106
10207703	50A50-206	50A65-143	99958174
102077-03	50A50-207	50A65-288	99958175
10207704	50A50-208	50A65-289	CNT03740
102077-04	50A50-209	50A65-474	CNT03742
10207706	50A50-210	50A65-475	CNT04664
102077-06	50A50-215	50A65-476	D330927P01
102077-09	50A50-216	50A65-843	D330930P01
10207710	50A50-229	50M56-289	D330934P01
102077-10	50A50-230	50T35-730	D340035P01
10207714	50A50-240	50T35-743	D340354P01
102077-14	50A50-241	50T55-289	D340774P01
10207717	50A50-245	52537074000	D341213P01
102077-17	50A50-285	52537077000	D341396P01
10207719	50A50-286	5253733900	G951ADB1401
102077-19	50A50-288	56L84	G951ADB1401C
10207720	50A50-295	56L8401	G951ADB-1401C
10207720S	50A50-296	61F3	G951ADB1402
10M93	50A50-298	62-22694-xx	G951ADB-1402
10M9301	50A50-405	62-22732-xx	G951ADB-1403
1214201	50A50-406	62-24044-xx	G951AEB-1403
12L6901	50A50-407	62-24045-01	ICM280
1380686	50A50-408	62-24046-01	P03101267001
1380-686	50A50-438	62-24084-82	P031-01267-001
1380698	50A50-471	62-24268-01	X4459
1380699	50A50-472	62-24268-02	X445901