



### APPLICATIONS:

APPLIANCE | ELECTRICAL | HVAC/R | MARINE | POOL & SPA | RV

## ICM2812



## ICM2812-Kit



### FEATURES

- ✓ Furnace control module
- ✓ Hot Surface Ignition (HSI) control board
- ✓ Microprocessor-based
- ✓ Monitors timing, Trial for ignition, system switches, flame sensing and lockout and 100% lockout safety feature
- ✓ Compatible with LP or Natural gas
- ✓ LED indication for status and fault codes to aid in troubleshooting
- ✓ ICM2812-Kit includes cable harnesses

### SPECIFICATIONS

- **Voltage:** 24 VAC (18-30 VAC)
- **Line voltage:** 120 VAC
- **Operating temperature:** -40° to 175°F (-40° to 80°C)
- **HSI Hot Surface Ignitor:** 6 amp @ 120 VAC
- **Gas valve:** 1.5 amp @ 24 VAC
- **Inducer draft motor:** 2.2 FLA @ 120 VAC
- **Blower motor:** 9.5 FLA @ 120 VAC
- **Operating temperature range:** -40° to 176°F (-40°C to 80°C)
- **Humidity range:** 5 to 95% relative humidity (non-condensing)
- **Dimensions:** 5.75" x 8.25" x 1.50"

### BUILT TO THE HIGHEST STANDARDS

- **ETL Listed – Intertek 5018419**
- **Certified to CSA STD E60730-1 and CSA STD C22.2#60730-2-5**
- **Conforms to UL STDs 60730-1 and 60730-2-5**
- **Manufactured in a state of the art vertically integrated ISO9001:2015 facility**
- **Redundant gas valve design conforms to ANSI Z21.20**

### OVERVIEW

The **ICM2812** is a board only replacement.

The **ICM2812-KIT** includes cable harnesses making it a replacement for the White-Rodgers 50M56U-843 and more than 150 competitive part numbers. \*Cross reference information on pg 2 & 3.

### REPLACES

The **ICM2812** is a board only replacement for the White-Rodgers 50M56U-843

The **ICM2812-KIT** includes cable harnesses that make it a replacement for more than 150 competitive part numbers — \*Cross reference information on pg 2 & 3.

### ORDERING INFORMATION

**Board only:** ICM2812

**Kit with harness:** ICM2812-Kit



| Manufacturer                      | Part Number     |
|-----------------------------------|-----------------|
| Amana/Goodman                     | 10207701        |
| Amana/Goodman                     | 10207704        |
| Amana/Goodman                     | 10207706        |
| Amana/Goodman                     | 10207710        |
| Amana/Goodman                     | 10207714        |
| Amana/Goodman                     | 10207717        |
| Amana/Goodman                     | 10207718        |
| Amana/Goodman                     | 10207719        |
| Amana/Goodman                     | 10207720        |
| Amana/Goodman                     | 0130F00005(S)   |
| Amana/Goodman                     | 0130F00006(S)   |
| Amana/Goodman                     | 102077-02       |
| Amana/Goodman                     | 102077-03       |
| Amana/Goodman                     | 102077-04       |
| Amana/Goodman                     | 102077-09       |
| Amana/Goodman                     | 10207720S       |
| Amana/Goodman                     | B1809926(S)     |
| Amana/Goodman                     | PCB00109        |
| Amana/Goodman                     | PCBBF109        |
| Amana/Goodman                     | PCBBF110(S)     |
| Amana/Goodman                     | PCBBF112(S)     |
| Amana/Goodman                     | PCBBF122(S)     |
| Amana/Goodman                     | PCBBF123(S)     |
| Amana/Goodman                     | PCBBF132(S)     |
| Amana/Goodman                     | PCBBF134        |
| Amana/Goodman                     | PCBBF135        |
| Amana/Goodman                     | PCBBF136        |
| Amana/Goodman                     | PCBBF138        |
| American Standard/Trane           | CNT02789        |
| American Standard/Trane           | CNT02891        |
| American Standard/Trane           | CNT03076        |
| American Standard/Trane           | CNT03798        |
| American Standard/Trane           | CNT03799        |
| American Standard/Trane           | CNT05164        |
| American Standard/Trane           | CNT05165        |
| American Standard/Trane           | D341122P01      |
| American Standard/Trane           | D341235P01      |
| American Standard/Trane           | D341235P03      |
| American Standard/Trane           | D341396P04      |
| American Standard/Trane           | D341396P05      |
| American Standard/Trane           | D34139P03       |
| Carrier                           | HK42FZ004       |
| Carrier                           | HK42FZ007       |
| Carrier                           | HK42FZ008       |
| Carrier                           | HK42FZ009       |
| Carrier                           | HK42FZ011       |
| Carrier                           | HK42FZ016       |
| Coleman/Evcon/Lennox/Luxaire/York | G951ADB-1401(C) |
| Coleman/Evcon/Lennox/Luxaire/York | G951ADB1402     |
| Coleman/Evcon/Lennox/Luxaire/York | G951ADB-1403    |
| Coleman/Evcon/Lennox/Luxaire/York | G951AEB-1403    |
| Coleman/Evcon/Luxaire/York        | 265901          |
| Coleman/Evcon/Luxaire/York        | 265902          |
| Coleman/Evcon/Luxaire/York        | 539617          |
| Coleman/Evcon/Luxaire/York        | 52537074000     |

| Manufacturer                              | Part Number          |
|-------------------------------------------|----------------------|
| Coleman/Evcon/Luxaire/York                | 52537077000          |
| Coleman/Evcon/Luxaire/York                | 031-00662            |
| Coleman/Evcon/Luxaire/York                | 031-00662-700        |
| Coleman/Evcon/Luxaire/York                | 031-01250-700        |
| Coleman/Evcon/Luxaire/York                | 031-01266-700        |
| Coleman/Evcon/Luxaire/York                | 031-01284-000        |
| Coleman/Evcon/Luxaire/York                | 031-01973-000        |
| Coleman/Evcon/Luxaire/York                | 031-09166-000        |
| Coleman/Evcon/Luxaire/York                | 331-01933-000        |
| Coleman/Evcon/Luxaire/York                | 331-01972-000        |
| Coleman/Evcon/Luxaire/York                | 331-09167-000        |
| Coleman/Evcon/Luxaire/York                | S1-03100662000       |
| Coleman/Evcon/Luxaire/York                | S1-03101250000       |
| Coleman/Evcon/Luxaire/York                | S1-03101266000       |
| Coleman/Evcon/Luxaire/York                | S1-03101267000       |
| Coleman/Evcon/Luxaire/York                | S1-03101267001       |
| Coleman/Evcon/Luxaire/York                | S1-03101284000       |
| Coleman/Evcon/Luxaire/York                | S1-03101933000       |
| Coleman/Evcon/Luxaire/York                | S1-03101972000       |
| Coleman/Evcon/Luxaire/York                | S1-03101973000       |
| Coleman/Evcon/Luxaire/York                | S1-03109167000       |
| Coleman/Evcon/Luxaire/York                | S1-33102956000       |
| Coleman/Evcon/Luxaire/York                | S1-33103010000       |
| Heil Quaker/ICP/Thermo Products/Whirlpool | 1010806              |
| International Comfort Products            | 1380686              |
| International Comfort Products            | 1380698              |
| International Comfort Products            | 1380699              |
| Lennox                                    | 1214201              |
| Lennox                                    | 100925 (-01,-02,-03) |
| Lennox                                    | 10M93                |
| Lennox                                    | 10M9301              |
| Lennox                                    | 12L6901              |
| Lennox                                    | 17W92                |
| Lennox                                    | 17W9201              |
| Lennox                                    | 23W51                |
| Lennox                                    | 23W5101              |
| Lennox                                    | 30W25                |
| Lennox                                    | 30W2501              |
| Lennox                                    | 32M8801              |
| Lennox                                    | 56L84                |
| Lennox                                    | 56L8401              |
| Lennox                                    | 69M08                |
| Lennox                                    | 69M0801              |
| Lennox                                    | 69M15                |
| Lennox                                    | 69M1501              |
| Lennox                                    | X4459                |
| Lennox                                    | X445901              |
| Nordyne                                   | 624557               |
| Nordyne                                   | 624564               |
| Nordyne                                   | 624591               |
| Nordyne                                   | 624628               |
| Nordyne                                   | 902378               |
| Nordyne                                   | 902696               |
| Nordyne                                   | 903106               |
| Nordyne                                   | 624631(A)            |



# ICM2812-KIT

## Universal Reference Information



Scan to see a full specifications, installation and agency certification information.

| Manufacturer        | Part Number            |
|---------------------|------------------------|
| Nordyne             | 624631(A)              |
| Nordyne             | 710128A                |
| Rheem/RUUD          | 695-200                |
| Rheem/RUUD          | 62-22694-xx            |
| Rheem/RUUD          | 62-22732-xx            |
| Rheem/RUUD          | 62-24044-xx            |
| Rheem/RUUD          | 62-24045-01            |
| Rheem/RUUD          | 62-24046-01            |
| Rheem/RUUD          | 62-24084-82            |
| Rheem/RUUD          | 62-24268 (-01,-02,-03) |
| Texas Instruments   | 41F-5                  |
| Texas Instruments   | 61F3                   |
| Texas Instruments   | 6DT(-1,-2)             |
| Thermo Products     | 350486                 |
| Thermo Products     | 350836                 |
| Trane               | D330927P01             |
| Trane               | D330930P01             |
| Trane               | D330934P01             |
| Trane               | D340035P01             |
| Trane               | D340774P01             |
| Trane               | D341213P01             |
| Trane               | D341396P01             |
| United Technologies | 1012-83-9336A          |
| United Technologies | 1012-83-9337A          |
| United Technologies | 1012-925 (A,B,C)       |
| United Technologies | 1012-933D              |
| Whirlpool           | 8068142                |
| Whirlpool           | 8068561                |
| Whirlpool           | 8068563                |
| Whirlpool           | 99958174               |
| Whirlpool           | 99958175               |
| White-Rodgers       | 50A50-110              |
| White-Rodgers       | 50A50-111              |
| White-Rodgers       | 50A50-112              |
| White-Rodgers       | 50A50-113              |
| White-Rodgers       | 50A50-130              |
| White-Rodgers       | 50A50-131              |
| White-Rodgers       | 50A50-142              |
| White-Rodgers       | 50A50-143              |
| White-Rodgers       | 50A50-205              |
| White-Rodgers       | 50A50-206              |
| White-Rodgers       | 50A50-207              |
| White-Rodgers       | 50A50-208              |
| White-Rodgers       | 50A50-209              |
| White-Rodgers       | 50A50-210              |
| White-Rodgers       | 50A50-215              |
| White-Rodgers       | 50A50-216              |
| White-Rodgers       | 50A50-229              |
| White-Rodgers       | 50A50-230              |
| White-Rodgers       | 50A50-240              |
| White-Rodgers       | 50A50-241              |
| White-Rodgers       | 50A50-245              |
| White-Rodgers       | 50A50-285              |
| White-Rodgers       | 50A50-286              |
| White-Rodgers       | 50A50-288              |

| Manufacturer  | Part Number |
|---------------|-------------|
| White-Rodgers | 50A50-295   |
| White-Rodgers | 50A50-296   |
| White-Rodgers | 50A50-298   |
| White-Rodgers | 50A50-405   |
| White-Rodgers | 50A50-406   |
| White-Rodgers | 50A50-407   |
| White-Rodgers | 50A50-408   |
| White-Rodgers | 50A50-438   |
| White-Rodgers | 50A50-471   |
| White-Rodgers | 50A50-472   |
| White-Rodgers | 50A50-473   |
| White-Rodgers | 50A50-474   |
| White-Rodgers | 50A50-475   |
| White-Rodgers | 50A50-571   |
| White-Rodgers | 50A55-143   |
| White-Rodgers | 50A55-241   |
| White-Rodgers | 50A55-245   |
| White-Rodgers | 50A55-250   |
| White-Rodgers | 50A55-285   |
| White-Rodgers | 50A55-286   |
| White-Rodgers | 50A55-288   |
| White-Rodgers | 50A55-289   |
| White-Rodgers | 50A55-3797  |
| White-Rodgers | 50A55-438   |
| White-Rodgers | 50A55-474   |
| White-Rodgers | 50A55-476   |
| White-Rodgers | 50A55-480   |
| White-Rodgers | 50A55-486   |
| White-Rodgers | 50A55-571   |
| White-Rodgers | 50A55-743   |
| White-Rodgers | 50A55-843   |
| White-Rodgers | 50A56-242   |
| White-Rodgers | 50A56-243   |
| White-Rodgers | 50A56-956   |
| White-Rodgers | 50A65-120   |
| White-Rodgers | 50A65-121   |
| White-Rodgers | 50A65-143   |
| White-Rodgers | 50A65-288   |
| White-Rodgers | 50A65-289   |
| White-Rodgers | 50A65-474   |
| White-Rodgers | 50A65-475   |
| White-Rodgers | 50A65-476   |
| White-Rodgers | 50A65-5165  |
| White-Rodgers | 50A65-843   |
| White-Rodgers | 50A66-122   |
| White-Rodgers | 50A66-123   |
| White-Rodgers | 50A66-743   |
| White-Rodgers | 50M56-281   |
| White-Rodgers | 50M56-289   |
| White-Rodgers | 50M56-291   |
| White-Rodgers | 50M56-743   |
| White-Rodgers | 50T35-730   |
| White-Rodgers | 50T35-743   |
| White-Rodgers | 50T55-288   |
| White-Rodgers | 50T55-289   |



7313 William Barry Blvd. North Syracuse, NY 13212  
www.icmcontrols.com | 1-800-365-5525 | info@icmcontrols.com