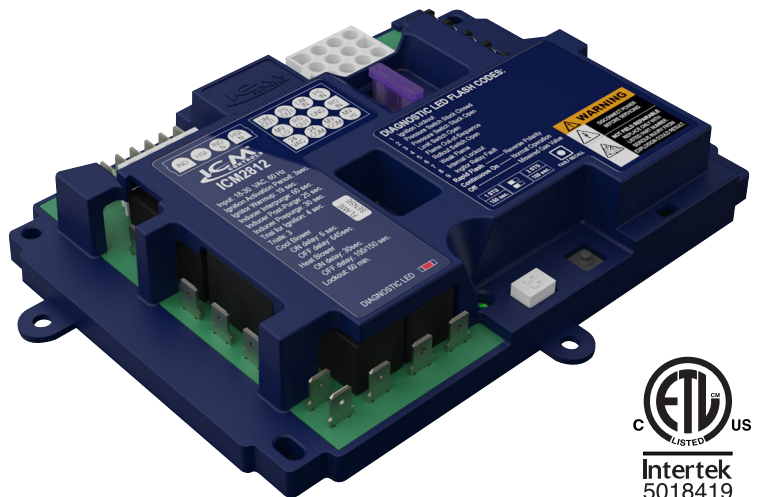


ICM2812 FURNACE CONTROL MODULE



Features

- Hot Surface Ignition (HSI) control board
- Microprocessor-based
- Monitors timing, trial for ignition, system switches, flame sensing and lockout
- 100% lockout safety feature
- Compatible with LP or Natural Gas
- LED indication for status and fault codes to aid in troubleshooting



Quality Built to the Highest Standards

- *Conforms to UL STDs 60730-1 and 60730-2-5.*
- *Certified to CSA STD E60730-1 and CSA STD C22.2#60730-2-5*
- *Manufactured in a state of the art vertically integrated ISO9001:2015 facility*
- *Form, fit and functional design for wire to wire replacement*
- *Redundant Gas valve design conforms to ANSI Z21.20*
- *Circuit board design incorporates double sided, plated, through-hole construction for high reliability*

Specifications

Electrical

- **Control 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:** 14.5 FLA @ 120 VAC

Environmental

- **Operating Temp Range:** -40° to 176°F (-40° to 80°C)
- **Humidity Range:** 5 to 95% relative humidity (non-condensing)

Replaces

The **ICM2812** is a universal board only replacement for the White-Rodgers 50M56U-843 and more than 150 competitive part numbers. Download the ICM Controls app for full cross reference information.

Ordering Information

- **Board only:** ICM2812
- **Kit with harness:** ICM2812 Kit

ICM2812 CROSS REFERENCE



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)

All features and specifications subject to change without notice.

ICM2812 CROSS REFERENCE



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

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