

Universal Heat Pump Defrost Control

47D01U-843

Replace Virtually All Single Stage Defrost Controls

An Elegant Combination of Versatility & Simplicity

The latest in outdoor electronic innovations from Emerson is a universal upgrade for single stage heat pump systems with a PSC fan motor. Select from pre-configured demand or timed defrost routines or configure to replicate virtually any set up. Also, upgrade your customers comfort with integrated compressor protection and outdoor sensor capabilities.



Universal Replacement

- Replaces over 200 controls
- Selectable demand or timed defrost modes
- O or B reversing valve
- Configures to any system



Easy Installation & Set Up

- One-button configuration to any OEM system
- Includes outdoor sensors
- Test mode to verify installation and troubleshoot



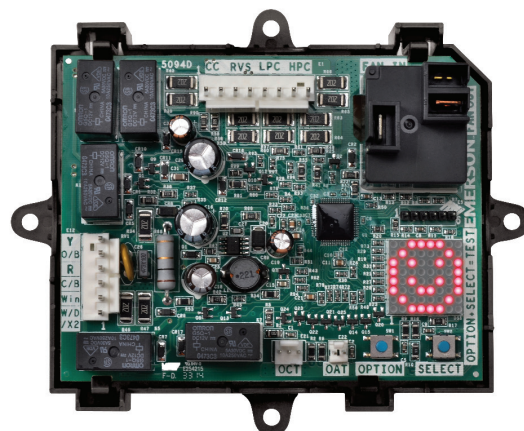
Versatile Matrix Display

- Access set up and diagnostic menus from any orientation by rotating the display



Compressor Protection

- Brownout and short-cycle protection plus Hi/Low pressure inputs



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SPECIFICATIONS

ELECTRICAL RATING

Control Voltage: 24 VAC 50/60 Hz
Line Voltage: 208/240 VAC 50/60 Hz
Input Ratings:
Outdoor PSC Fan: 0.5 HP @ 240 VAC,
0.125@ 120 VAC
Contactor Coil: 24 VAC
Aux Heat (D/W/X2) @ 24 VAC
Reversing Valve: 24 VAC

OPERATING TEMPERATURE RANGE

-40° to 150°F (-40° to -65°C)

HUMIDITY RANGE

0 - 95% relative humidity, non condensing

DIMENSIONS / MOUNTING

5.75"W x 4.72"L x 1.75"H

REPLACEMENT KIT CONTENTS

Defrost control board, wiring harnesses,

coil and ambient temp sensors, mounting accessories and labels.

AUXILIARY HEAT LOCKOUT

Above the selected temperature, auxiliary heat will only run during defrost operation. Selectable from 0° to 40°F or off*.

COMPRESSOR LOCKOUT

Below the selected temperature the compressor does not operate, except in defrost cycle. Selectable from -10° to 35°F or off*.

REVERSING VALVE SHIFT DELAY

Limit excessive noise in and out of a defrost cycle. Selectable 0, 12 or 30* second delay.

SHORT CYCLE PROTECTION

0, 3 or 5* minute selectable delay between cycles.

BROWNOUT PROTECTION

De-energizes compressor when control voltage drops below 15.5 VAC for more than 4 seconds and resumes operation at 17.5 VAC. Selectable On* or Off.

RANDOM START DELAY

Delays operation for 5-90 seconds after a power outage to protect the compressor and avoid brownouts. Selectable On* or Off.

TIMING SPECIFICATIONS

All timing is accurate to +/- 5% of nominal over the full temperature and voltage range at 60Hz. All timings are 20% longer when operated with 50Hz power supply.

*=Default Setting



For complete, up to date cross reference information, install WRMobile on your iOS or Android device today.

CROSS REFERENCE: Replaces virtually all single stage defrost controls, including:

AMANA C64301-1 C6431001	34332100 34332101	ICM DFORB24A2I300 DFORB-AB1004 DFORF DFOSP24A2 ICM300C ICM301C ICM302C ICM303C ICM304 ICM307 ICM316 ICM317 ICM318 ICM319 ICM320 ICM321 ICM322 ICM323 W1001-4	46K67 56M3701 68J2901 68J8401 78H6801 84W8801 86G1601 97M81 LB-101263A LB-101263B	47-102685-02 47-102685-03 47-102685-04 47-102685-05 47-102685-06 47-102685-84 47-21517-11 47-21517-13 47-21517-14 47-21517-16 47-21517-17 47-21517-18 47-21517-22 47-21517-23 47-21517-24 47-21517-82 47-21517-88 47-21517-92 47-21776-01 47-21776-06 47-21776-86 DDL-013002-0RH DDL-013002-1RH DDL-013102-1RH DDL-017002-2RH DDL-017102-1RH DDL-017702-1RH DDL-117702-3RH DDL-122131-2RH	1084-83-1008 1087562	TRANE 21C140501G18 21C140501G27 21C140501G36 21C140501G37 21C140501G38 21C140501G42 21C140501G44 21C140501G45 21C140501G53 21C140501G54 21C140501G55 21C140501G60 21C142827G01 CNT01106 CNT01108 CNT01129 CNT01152 CNT01431 CNT01510 CNT01642 CNT01923 CNT01924 CNT01926 CNT02514 CNT02515 CNT02516 CNT02920 CNT02935 CNT03715 CNT03716 CNT04362 CNT04363 CNT04364 CNT04366 CNT04368 CNT04695	CNT05001 CNT05008 CNT05009 CNT05010 CNT05482 CNT05875
ARCOAIRE 32312-00 3232140	EVCON 9218-374	GOODMAN 1084-03-2022 1084-200D 20293901 B1226006 B1226008 LR40061 PCBDM101 PCBDM130 PCBDM133 PCBDM160	NORDYNE 620880 621301A 621579B 621579C 624519A 624608 624626 624633 624644 624656 624700 917012 917178 917178A 920338	47-102685-02 47-102685-03 47-102685-04 47-102685-05 47-102685-06 47-102685-84 47-21517-11 47-21517-13 47-21517-14 47-21517-16 47-21517-17 47-21517-18 47-21517-22 47-21517-23 47-21517-24 47-21517-82 47-21517-88 47-21517-92 47-21776-01 47-21776-06 47-21776-86 DDL-013002-0RH DDL-013002-1RH DDL-013102-1RH DDL-017002-2RH DDL-017102-1RH DDL-017702-1RH DDL-117702-3RH DDL-122131-2RH	1084-83-1008 1087562	WEATHERKING 840-4-5548	WHITE-RODGERS 47D40-801 47D43-101 47D43-111 47D43-111 02 47D43-811 90-621
ARMSTRONG 39840B001 44614-001 44614-002 46257-001 47181-001 R46257-001 R46614-002 R47181-001	FAST 1093410	HEIL/TEMPSTAR 1087952 1087953 1173636 CEPL130524-01	LENNOX 100269-01 100269-02 100269-04 100269-05 11K7101 1507N170027 29M0101 29M0201 30W87 33G9501 34M6301	47-102685-02 47-102685-03 47-102685-04 47-102685-05 47-102685-06 47-102685-84 47-21517-11 47-21517-13 47-21517-14 47-21517-16 47-21517-17 47-21517-18 47-21517-22 47-21517-23 47-21517-24 47-21517-82 47-21517-88 47-21517-92 47-21776-01 47-21776-06 47-21776-86 DDL-013002-0RH DDL-013002-1RH DDL-013102-1RH DDL-017002-2RH DDL-017102-1RH DDL-017702-1RH DDL-117702-3RH DDL-122131-2RH	1084-83-1008 1087562	YORK 031-00872-001 031-00872-002 031-00872-003 031-00872-701 031-00872-702 031-00872-703 031-01222-000 031-01251-000 031-01268-000 031-01954-000 031-01975-000 031-09104-000 031-09170-000 331-01975-001 331-01975-102 331-09139-000 9218-3741 S1-03100872701 S1-03109170000 S1-33101954000 S1-33101975102	
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