Universal Heat Pump Defrost Control

47D01U-843

Replace Virtually All Single Stage Defrost Controls

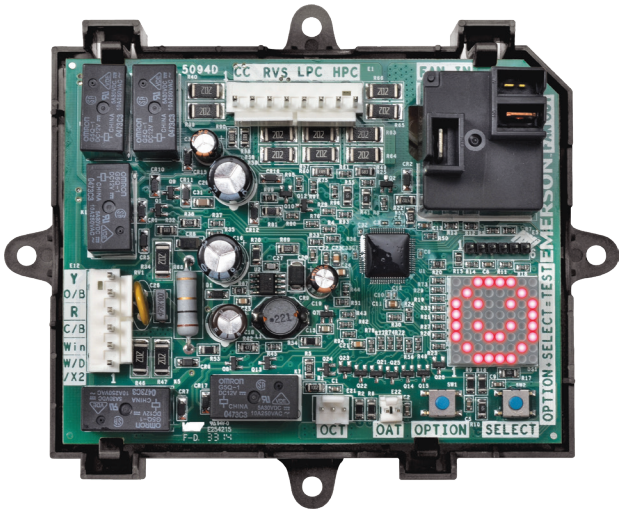
Universal Replacement

Replaces over 400 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

Integrated outdoor thermostat

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

EMERSON

Universal Heat Pump Defrost Control
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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

White Rodgers MOBILE EMERSON

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:

Bard MFG
1084-751
1084-83-7502
8201-XXX
8210-XXX
8620-XXX

Carrier/ ICP Brands
1052757
1069364
1085843
1087515
1087562
1087952
1087953
1093410
1160717
1171803
1173425
1173636
1173696
1177927
1185790
3232140
34332100
34332101
1029-2
1050-83-7B
1084-100
1084-83-1008
1084-83-100A
1395-329
150-83-6A
32312-00
621-XXX
621-83-550 -D, -H, -L
CEBD410104-02
CEBD430524-04B
CEBD430524-22
CEBD430524-24A
CEPL110104-02
CEPL130433-XX
CEPL130524-XX
CEPL130547-01
CES0110063-XX
CES0130024-XX
CES0130049-00
CES0130076
DDL-30011-ICP
DTL-300000-ICP
HK25SZ359A
HK32EA001
HK32EA003
HK32EA007
HK32EA008
HK32FA003
HK32FA006
HQ1052757(EX)
HQ1086070
HQ108671RC
HQ1087953RC
HQ1987953

Goodman/ Amana Brands
20293901
1084-03-2022
1084-200C, D
1084-552
1084-83-201A
B1226006
B12260-06
B1226008
B12260-08
C64301-1
C6431001
DFBK01
DTL-500000-001
LR40061
PCBDM101, S
PCBDM130, S
PCBDM133, S
PCBDM160, S
W1001
W1001-4

Honeywell
DB7110U1000
ST74A1004
ST74A1020
ST74A1038
ST74A1053
ST74C1002

ICM
DFORB24A2I300
DFORB-AB1004
DFORF
DFOSP24A2
ICM300C
ICM301C
ICM302C
ICM303C
ICM304
ICM307
ICM316
ICM317
ICM318
ICM319
ICM320
ICM321
ICM322
ICM323
ICM

Lennox/Allied Air Brands
38109
20404302
0204043-02
100269-XX
1080-852-R
1084-551
1084-800
1084-83-551B, C
1084-83-800
1084-851, -I
1084-852-R
11K71(01)
12J54(01)
1507N170027
15C34(01)
16V38(01)
17M14(01)
18M23(01)
23L00(01)
23M22(01)
29M01(01)
29M02(01)
30W87(01)
33G95(01)
34M63(01)
36326B001
37967B002
39840B001
41A08(01)
41F29(01)
42A16(01)
44614-XXX
46257-001
46K67(01)
47181-001
56M37(01)
58H28(01)
61H42(01)
621-112-I
621-83-4B
68J29(01)
68J84(01)
78H68(01)
84W88(01)
85H75(01)
86G16(01)
97M81(01)
DTL-100000-LXA
LB-100380A
LB-101263A, B
LB-83114C
LB-93614
P-8-7556
PN0204043-02
R46257-001
R46614-002
R47181-001

Nordyne Brands
620880
624608
624626
624633
624644
624656
624700
917012
920338
920806
6208800
1084-400D
1084-83-4102A
621301A
621579B, C
624519A
917178(A)

Rheem/ RUUD Brands
1157-83-1002A
47-102684-XX
47-102685-XX
47-21517-XX
47-21776-XX
840-4-5548
DDL-013002-XXX
DDL-013102-1RH
DDL-017002-2RH
DDL-017102-1RH
DDL-017702-XXX
DDL-122131-2RH
UT 149-XXX

Trane/American Standard Brands
21C140501G XX
21C142827G01
BRD04302
BRD05205
BRD05768
BRD06552
CNT01106
CNT01108
CNT01129
CNT01152
CNT01431
CNT01510
CNT01642
CNT01923
CNT01924
CNT01926
CNT02514
CNT02515
CNT02516
CNT02920
CNT02935
CNT03715
CNT03716
CNT04362
CNT04363
CNT04364
CNT04366
CNT04368
CNT04695
CNT05001
CNT05002
CNT05004
CNT05005
CNT05007
CNT05008
CNT05009
CNT05010
CNT05482
CNT05875
CNT06080
CNT06081
CNT06082
X13690231010
X13690250 XXX

York/JCI Brands
18390
67297
174552
624733
031-00872-XXX
031-01098-XXX
031-01222-000
031-01251-000
031-01268-000
031-01298-000
031-01954-000
031-01957-000
031-01971-000
031-01975-000
031-09104-000
031-09170-000
1030-100-I
1030-102
1030-103-L
1030-105
1030-83-XXX
1084-502
1084-83-900
1084-900
1157-83-9021A
1157-83-902B
1157-83-904B, C
1157-XXX
3030A374
331-01098-XXX
331-01975-XXX
331-09139-000
6TT-X
6YG-2
9218-374(1)
DFOS-AD1008
S1-03100872701
S1-03101954000
S1-03101971000
S1-03101975102
S1-03103483000
S1-03109170000
S1-3030-3741
S1-3030A3741
S1-3030B3741
S1-33101954000
S1-33101975001
S1-33101975102
S1-37323867001

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