

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



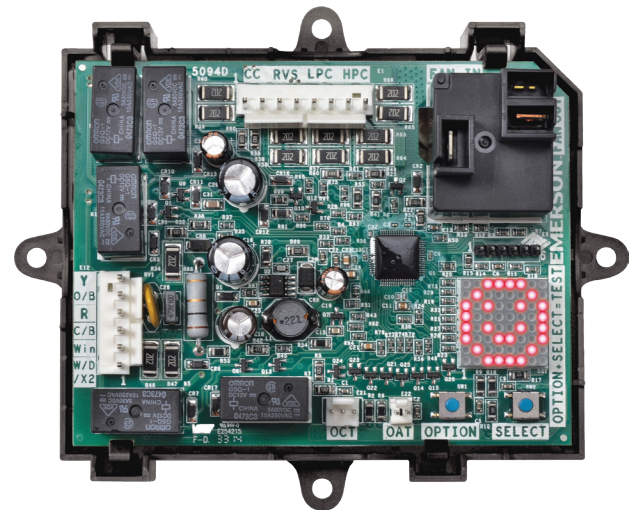
Versatile Matrix Display

- 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



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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:

Bard MFG 1084-751 1084-83-7502 8201-XXX 8210-XXX 8620-XXX	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	ST74A1020 ST74A1038 ST74A1053 ST74C1002	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	624633 624644 624656 624700 917012 920338 920806 6208800 1084-400D 1084-83-4102A 621301A 621579B, C 624519A 917178(A)	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	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 S1-33101954000 S1-33101975001 S1-33101975102 S1-37323867001
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	Goodman/ Amana Brands 20293901 1084-03-2022 1084-200C, D 1084-552 1084-83-201A B1226006 B1226006 B1226008 B1226008 C64301-1 C6431001 DFBK01 DTL-500000-001 LR40061 PCBDM101, S PCBDM130, S PCBDM133, S PCBDM160, S W1001 W1001-4	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)	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	York/JCI Brands 18390 67297 174552 624733 031-00872-XXX 031-01098-XXX 031-01222-000 031-01251-000 031-01268-000	