

Universal heat pump defrost control

47D01U-843

Replace virtually all single stage defrost controls



Universal replacement

- Replaces over 400 part numbers
- 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



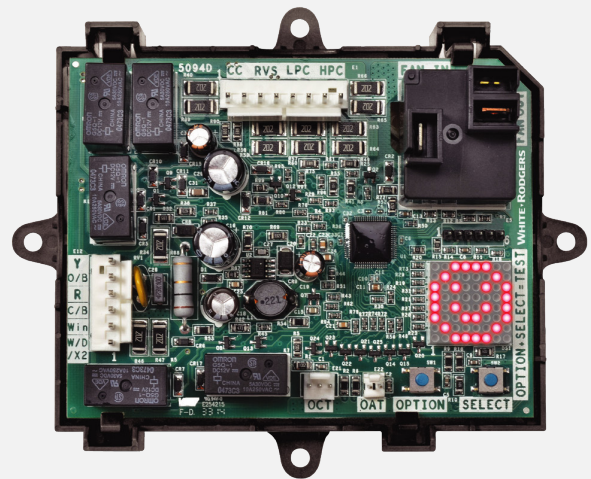
Versatile matrix display

- 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



Specifications

Electrical ratings

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

Feature	White-Rodgers 47D01U-843	Brand "X" DB7110U
Board cross references	430+	260
Readable display	8x8 Matrix	4x7 segmented LED
Multi-position display can be rotated in settings	✓	X
Display shows status & fault codes, has fault recall	✓	✓
Set-up / fault code label for quick reference	✓	X
Select from OEM pre-sets to match factory	✓	X
Menu configurable for demand or timed defrost	✓	✓ (Demand-enabled)
Menu configurable for pressure switch enable/disable	✓	X (non-supplied jumpers required)
Auxiliary heat & compressor lockout can be used in demand & timed defrost	✓	X (demand only)
Wiring flags supplied for wiring ID installation ease	✓	X
Reversing valve delay for quieter defrost	✓	✓
Menu config "O" or "B" reversing valve	✓	✓
Air and coil sensors	✓	✓
Strain-proof sensor connectors	✓	X

The White-Rodgers mobile app:



Customer Service or Technical Help: 888-725-9797
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