



Helpful Hints

clear & easy

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426 Industrial Boulevard • Kearneysville WV 25430-2776 • USA
Telephone: +1 304 728 7056 • technicalinquiry@royalvendors.com
Toll-free in North America: 1 800 931 9214 • Fax: +1 304 725 4016
Canada: +1 905 738 5777 • Mexico: +52 55 5203 6887
Europe: +49 2158 95 1000 • Australia: +61 2 9890 5433

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SUBJECT: Modifying the Freezer Defrost Interval and Defrost Duration to prevent ice build-up

Number of
People
Required



MODELS: Freezers (serial numbers 201713RA00001 through 201722RA00159 only)

TOOLS REQUIRED: Phillips screwdriver

ESTIMATED TIME: <2 minutes, after the unit has been defrosted

PURPOSE OF THIS DOCUMENT: In certain environments, such as:

- High temperatures,
- High humidity, or
- High volume activities,



The following areas of this vender contain voltage which can cause serious injury or even death: the main power cord, supplying 115-230 VAC to the evaporator, EMI filter, refrigeration system, monitor, and computer; the power line from the EMI filter to the ballast and transformer; and the ballast, which can produce upwards of 600 volts. Remove all power from the vender before working in any of these areas.

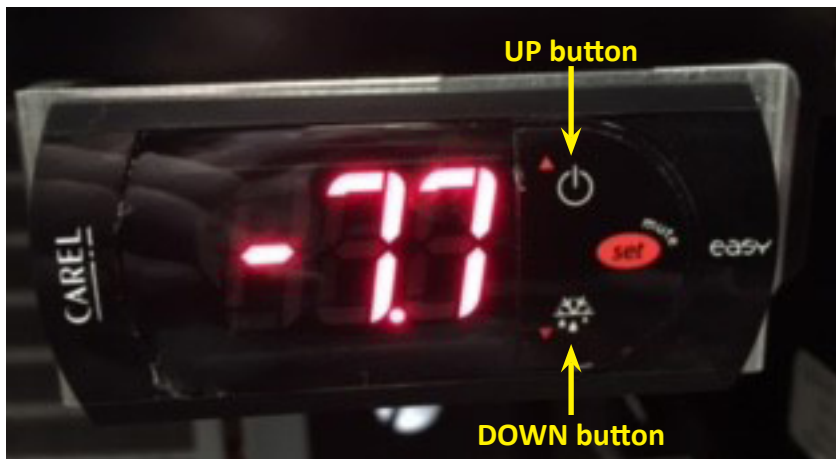
the potential exists for ice to build up on the evaporator. To resolve this, it is necessary to decrease the Defrost Interval and increase the Defrost Duration of the Royal Vendors Freezer. This document explains the procedure for making these two modifications. (Note that this procedure is necessary only in Freezers with serial numbers 201713RA00001 through 201722RA00159.)

Part 1. Defrost the unit (necessary if the evaporator is iced over).

1. Open the door, and tape the door switch down (in the closed position). The door switch is located on the top right of the grille.
2. In the bottom right of the cabinet, unplug the power cord to the compressor. **Note:** It is imperative that the evaporator be completely defrosted before performing Part 2 below. These first two steps are necessary to allow the evaporator fan motor to circulate air while keeping the compressor turned off, which speeds up defrosting time. Dry cloths or towels will be needed to soak up the water from the melting ice.
3. Once the unit is completely de-iced, plug the compressor's power cord back in and remove the tape on the door switch.

Part 2. Change the Defrost Interval and Defrost Duration.

1. Press and hold the SET button until "PS" is shown on the display, then release the button.
2. Press the SET button one time. "0" should be displayed.
3. Press the UP button until the display shows "28". (**Note:** This number is a passcode to enter the Carel controller's programming menu. On some units, the passcode may be set to "22".)
4. Press the SET button one time. The display should flash "PS" if the correct passcode was entered.
5. Press the Up button until the display shows "DI" (Defrost Interval).
6. Press the Set button. The display should show "199".
7. Press the Down button until the display shows "120".
8. Press the Set button one time. The display should again show "DI".
9. Press the UP button until the display shows "DP" (Defrost Duration).
10. Press the SET button. The display should show either "40" or "90".
11. Press the UP button until the display shows "199".
12. Press the SET button one time. The display should show "DP".
13. Press and hold the SET button until the menu is exited and the display returns to the current temperature.



**ANY QUESTIONS? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT
IN NORTH AMERICA, CALL TOLL FREE 1 800 931 9214**