SECTION 3. OPERATION

3-1. INTRODUCTION

This section provides operating procedures for the multipurpose holding cabinets. Read the Introduction, Installation and Operation Sections and all instructions should be followed before operating the cabinet.

This section contains an explanation of all controls, components, and information on operating procedures and daily maintenance.

3-2. OPERATING CONTROLS AND COMPONENTS

Figure 3-1 identifies and describes the functions of all the operating controls and components of the cabinet.

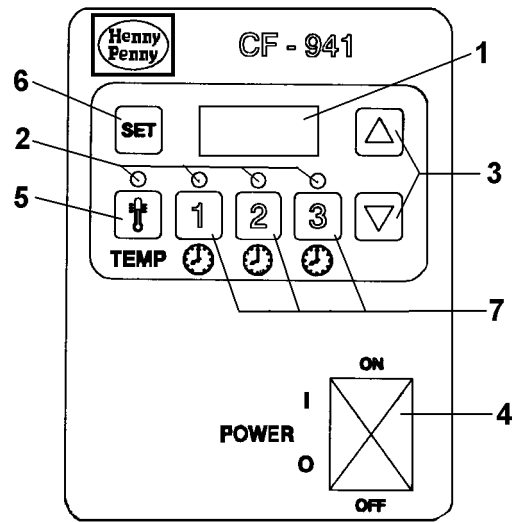| Item No.	Description	Function
1	Digital Display	An LED display which shows the time of day and drawer temperature
2	LEDs	When illuminated, indicates which drawer is heating
3	Up and Down Buttons	Used when programming the controls, changing the display, and accessing the Special Program Mode
4	POWER Switch	A rocker switch that controls the power to the unit
5	TEMP Button	Used to view the drawer temperature and to set the setpoint temperature for the drawer
6	SET Button	Used in the Program Mode
7	Timer Buttons	Used to start a timing cycle for a particular pan or to view the time remaining in the cycle; they are also used when programming the times

Figure 3-1

3-3. START-UP

NOTICE

Before using the cabinet, it should be thoroughly cleaned as described in the cleaning procedures section of this manual. To put the cabinet into operation, move each POWER switch to the ON position and adjust each control to the appropriate temperature. The power light should illuminate indicating that the unit is operating. The operating temperature of this unit should be achieved in approximately 30 minutes.

3-4. OPERATING WITH PRODUCT

1. Place the hot product inside the drawer.

2. Serve the product first that has been in the cabinet the longest.

3. Open the drawers only as necessary to load and serve the product.

3-5. CLEANING

1. Move the POWER switch to the OFF position.

2. Disconnect the electrical supply to the unit.

⚠ CAUTION
BURN RISK

To avoid burns, allow the unit to cool before cleaning by opening all the drawers fully for approximately 20 minutes.

3. Remove drawers by pulling straight out and tilting up.

4. Clean drawers with a cloth and soapy water.

5. Remove drip tray from the bottom of the drawer and clean it.

6. Clean the interior of the cabinet thoroughly with a cloth and soapy water.

CAUTION

Do not use steel wool, other abrasive cleaners or cleaners/sanitizers containing chlorine, bromine, iodine or ammonia chemicals, as these will deteriorate the stainless steel material and shorten the life of the unit.

Do not spray the unit with water, such as, with a garden hose. Failure to follow this caution could cause component failure.

7. Wipe down the exterior of the cabinet with a damp cloth. Avoid getting water in the area of the control panel.

8. Replace the drip tray and drawer.

9. If the unit is to be left off, leave the drawer open two or three inches.

3-6. OPERATION AND PROGRAMMING

Unit Operation

Before operating the holding cabinet, read and understand this complete operation manual (supplied with each unit). The following steps are meant to be guidelines, not complete operating instructions.

1. Turn POWER switch to the ON position.

2. The display will show the setpoint temperature.

Press the TEMP button at any time to view actual temperature. The LED will light when the actual temperature is on the display.

3. When temperature LED illuminates, the unit setpoint temperature has been reached and product can be loaded into the pans. Load product into a pan inside the drawer and press appropriate timer button, either 1, 2, or 3.

4. At the end of the timing cycle, the display will flash "0:00" and the timer LED will flash.

If more than one timer is running at the same time, the timer with the least amount of time will be the one displayed and the LED will be flashing, indicating which timer is being displayed. Pressing and releasing the SET button will toggle through the different running times.

Temperature Setpoint Programming

Press and hold the TEMP button for 5 seconds, and the setpoint temperature will start flashing and the LED will turn off. Continue to hold in on the TEMP button, then use the UP and DOWN buttons to set the desired setpoint temperature. Releasing the TEMP button enters the setpoint into the controls. If "Loc" shows in the display when the UP or DOWN button is pressed, the controls must be unlocked before temperature can be changed. (See Special Program Mode).

3-6. OPERATION AND PROGRAMMING (Continued)

Timer Settings

To change a timer setpoint, press and hold the desired timer button, then use the UP and DOWN buttons to change the time. Releasing the timer button enters the time into the controls. If "Loc" shows in the display when the UP or DOWN button is pressed, the controls must be unlocked before temperature can be changed. (See Special Program Mode).

NOTICE

When programming the setpoint temperature or timers, pressing and holding the UP or DOWN buttons will speed up the displayed digits.

Special Program Mode

1. Turn the POWER switch off. Then press and hold both the UP and DOWN buttons and turn the POWER switch back on. Hold in on the UP and DOWN buttons until SP shows on the display, then release the UP and DOWN buttons. Display will now show "°F" or "°C".

2. Press the UP or DOWN buttons to toggle from "°C (Celsius), to "°F" (Fahrenheit).

3. Press and release the SET button. The display will show "P=U" or "P=L", which means program unlock(U) or lock(L). The UP and DOWN buttons toggle from U to L. The display must show "P=U" before the temperature or times can be changed.

4. Press and release the SET button 2 times and the display will show "H=n" or "H=y", which means Hours=no(n) or Hours=yes(y). "H=n" means the timers will time in minutes and seconds, and "H=y" the timers will time in hours and minutes.

5. Press and release the SET button 3 times and the display will show "CAL". To calibrate the temperature, press and hold the TEMP button, and use the UP and DOWN buttons to match the display to the actual temperature.

3-6. OPERATION AND PROGRAMMING (Continued)

6. Press and release the SET button 4 times and "In-" shows in the display. In- means initialization. Press and hold the UP or DOWN button at this time and allow the display to count down from 3. The buzzer will sound and the controls will be set at factory settings.

7. Press and release the SET button 5 times and "OP" will show in the display. OP means output test. Press and release the drawer button to turn the relay and heater off and on.

NOTICE

Press and hold the SET button to exit the Special Program Mode at any time. Also, the controls will automatically exit the Special Program Mode, if no buttons are pressed for 1 minute.

3-7. ERROR CODES

DISPLAY	CAUSE	PANEL BOARD CORRECTION
"E-4"	Control board overheating	Turn switch to OFF position, then turn switch back to ON; if display shows "E-4," the control board is getting too hot; make sure unit is not overheating
"E-6"	Wrong number of drawers programmed, or faulty temperature probe	Check to see if unit is set to the correct number of drawers, ex: MP-942=2 drawers (see programming instructions); have temperature probe checked for faulty probe
"E-41"	Memory scrambled	Press and release the UP and DOWN buttons to initialize the program; if "E-41" persists replace the control board
"Hi"	Unit overheating; faulty relay or control board	Have relay or control board replaced