

INSTRUCTIONS



HHFC SERIES
DELI DISPLAY CASE

HHFC SERIES DELI DISPLAY CASES

MODEL

HHFC4	ML-114911	High Profile (57 ³ / ₈ " High)
	ML-114917	Low Profile (48 ¹ / ₂ " High)
	ML-126809	Two Tier
	ML-126810	Pedestal
	ML-126821	Designer
HHFC4C	ML-114914	Counter
HHFC5	ML-126815	High Profile (57 ³ / ₈ " High)
	ML-126816	Low Profile (48 ¹ / ₂ " High)
HHFC5C	ML-126831	Counter
HHFC6	ML-114912	High Profile (57 ³ / ₈ " High)
	ML-114918	Low Profile (48 ¹ / ₂ " High)
	ML-126811	Two Tier
	ML-126812	Pedestal
	ML-126822	Designer
HHFC6C	ML-114915	Counter
HHFC8	ML-114913	High Profile (57 ³ / ₈ " High)
	ML-114919	Low Profile (48 ¹ / ₂ " High)
	ML-126813	Two Tier
	ML-126814	Pedestal
	ML-126823	Designer
HHFC8C	ML-114916	Counter
HIC4	ML-126817	Island Case



701 S. RIDGE AVENUE
TROY, OHIO 45374-0001

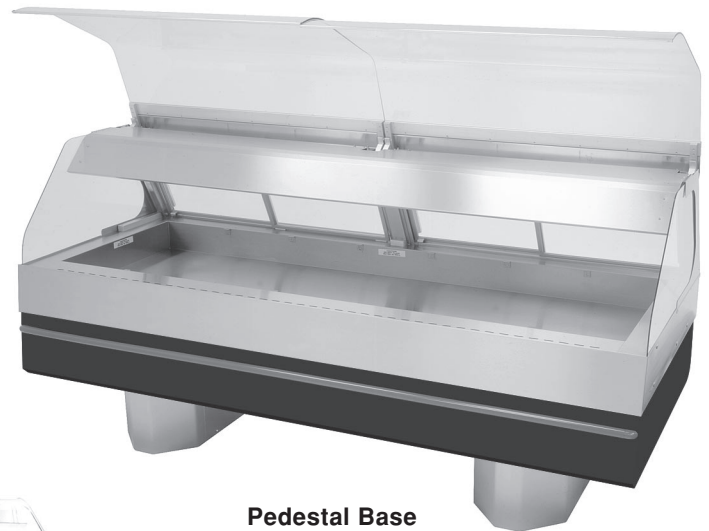
937 332-3000

www.hobartcorp.com

FORM 33798 Rev. A (Sept. 2001)



High or Low Profile
4, 5, 6 or 8 Foot
Full Service or Self-Service



Pedestal Base
4, 6 or 8 Foot
Full Service or Self-Service



Countertop Model
4, 5, 6 or 8 Foot
Full Service or Self-Service



Two Tier
4, 6 or 8 Foot
Self-Service



Designer Base
4, 6 or 8 Foot
Full Service or Self-Service



Island Case
4 Foot
Self-Service

Installation, Operation and Care of HHFC SERIES DELI DISPLAY CASES

SAVE THESE INSTRUCTIONS

GENERAL

The HHFC Series Deli Display Cases hold food products at regulated temperatures, maintaining both freshness and quality. The deli cases feature uniform heating. Clear-view glass surrounds the food holding area. Full Service units provide the customer a full view of the displayed food products. Self-Service or Partial Self-Service units provide an opening to permit the customer to get-it-and-go. Overhead radiant heater and halogen lighting is standard. Overhead radiant heat lamp bulbs are optional.

The deli cases have an easily accessible control panel and hold a variety of pan configurations.

INSTALLATION

Prior to installation, check the electrical service to make sure that it agrees with the specifications on the data plate located on the electrical inspection plate beside the controls.

UNPACKING

Immediately after unpacking the deli case, check for possible shipping damage. If the deli case is found to be damaged, save the packaging material and contact the carrier within 15 days of delivery.

The deli case is shipped on a full skid and is wood crated. All deli case components, such as side glass, divider bars and bulbs, are separately boxed and shipped in the well area of the deli case.

1. Remove the top part of the crate first.
2. Remove the side parts of the crate.
3. Remove the PVC shrink-wrap material from around the unit. Care should be taken when removing the protective shrink-wrap material.
4. Remove the end parts of the crate.
5. The glass side panels are packed in a separate carton and must be installed. The carton containing the glass panels is secured in the well of the deli case. Take care when opening the carton to avoid possible damage or breakage to the glass.
6. To remove the deli case from the shipping skid:

On a Countertop Model, cut and remove the retaining bands that secure the unit to the skid.

On display cases intended to be set on the floor, remove the retaining bolts located in each corner of the base of the deli case.

Depending on the model of the deli case, it may be necessary to remove the sandwich preparation board first. To remove the sandwich preparation board, place the board in its down position. The board can then be lifted in an upward direction and removed from the hinging mechanism. It is not necessary to remove any screws or the hinging mechanism.

LOCATION

The installation location must allow adequate clearances for servicing and proper operation.

INSTALLATION CODES AND STANDARDS

In the United States, Hobart HHFC Series Deli Display Cases must be installed in accordance with state and local codes and the National Electrical Code, ANSI/NFPA-70 (latest edition).

In Canada, Hobart HHFC Series Deli Display Cases must be installed in accordance with local codes and the Canadian Electrical Code Part 1, CSA Standard C22.1 (latest edition).

ASSEMBLY

Installation of Glass Side Panels

CAUTION: Handle glass panels with care during installation to avoid breakage. The glass side panels and front viewing glass are tempered safety glass. If the edges of the glass come in contact with concrete, stainless steel or other hard surfaces, breakage may occur.

1. Prior to installing the side glass, it is necessary to remove the front (customer's side) stainless steel front well cover (all models except Two Tier and Designer). This is the front cover located even with the well. To remove the front well panel, lift the front glass into the upright position. Then carefully pull the front well panel from the case. The front well panel snaps into place. You must pull hard to remove.
2. When installing the side glass panels, it may be necessary to lift the lighting canopy to make sure that the side glass panel follows the track where it is intended to fit. The canopy is designed for this in order to properly fit the glass.
3. Install one side glass panel at a time, taking care to avoid fracturing the glass. Do not slide the glass on the stainless steel surfaces. Push the glass panels all the way back. Notice where the front glass rests when in the down position. The front edge of the side glass panels should stop just beyond where the front glass rests in the down position.
4. After installing the side glass panels, replace the stainless steel front well panel by snapping it in place. Lower the front glass panel slowly so it does not hit the side glass panel edges. Once the front glass is in the down position, move the side glass panels forward so they come as close as possible to the front glass panel without touching it. The deli case has been specifically designed so the side panels and front glass do not touch each other in order to avoid possible fracture.

Installation of Divider Bars

Well divider bars are supplied with each case, with the exception of Two Tier models. The long divider bars are placed onto the divider stationary brackets located in the case well. The long divider bars run from the front of the case (customer side) to the back of the case (operator side). The short divider bars are placed between the long divider bars to allow the operator to use varying pan sizes in the case.

Well Divider Bars

Depending upon the model, well divider bars are provided in the quantities shown in the table.

	Euro, Pedestal or Designer Models: HHFC4 or HHFC4C	Euro, Pedestal or Designer Models: HHFC5 or HHFC5C	Euro, Pedestal or Designer Models: HHFC6 or HHFC6C	Euro, Pedestal or Designer Models: HHFC8 or HHFC8C	Two Tier Models: HHFC4, HHFC5, HHFC6 or HHFC8
Short Divider Bars	6	8	10	14	0
Long Divider Bars	2	3	4	6	0

Installation of Light Bulbs or Heat Lamps

Unpack light bulb(s) or heat lamp(s) and install in socket(s). If your model has halogen light bulbs, use a soft cloth to handle them. Human contact with halogen bulbs can reduce bulb life.

Installation of Two-Foot Self-Service Section (Optional)

The Two-Foot Self-Service Section (Fig. 1, right side) permits previously packaged hot foods to be displayed and allows the customer to grab-it-and-go. The Two-Foot Self-Service Section consists of the following components: A fabricated stainless steel well adapter insert, an 18 x 26" insert tray, a raised wire grid insert for the insert tray and a mid-divider glass panel.

The mid-divider glass panel is certified tempered safety glass.

For those cases where the Two-Foot Self-Service Section and the Two-Foot Tile Insert option are both furnished, the following components are used: A fabricated stainless steel well adapter insert, an insert tile tray and a mid-divider glass panel.



Fig. 1

1. Lift the front glass into the upright position.
2. Remove the operator side service doors.
3. Place the stainless steel well adapter insert into the deli case well on the side (left or right) that is provided with the two-foot wide short piece of front glass.
4. Align the mid-divider glass bracket located on the stainless steel insert with the glass bracket located under the overhead heater assembly.
5. Install the mid-divider glass taking care to avoid fracturing the glass. Do not slide the glass on the stainless steel surfaces.
6. After installing the mid-divider glass, lower the front glass slowly and make sure it does not hit the side edge of the mid-divider glass. Notice where the front glass rests when in the down position. The front edge of the mid-divider glass should stop just beyond where the front glass rests in the down position. The mid-divider glass should come as close as possible to the front glass panel without touching it. The deli case has been specifically designed so the mid-divider glass and front glass do not touch each other in order to avoid possible fracture.
7. Place the 18 x 26" tray insert into the Two-Foot Self-Service adapter.
8. Place the raised wire grid insert into the 18 x 26" tray insert. The raised wire grid keeps the packaged hot food products off the surface of the insert and level with the well surface.

ELECTRICAL CONNECTIONS

WARNING: ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.

WARNING: DISCONNECT ELECTRICAL SUPPLY AND PLACE A TAG AT THE DISCONNECT SWITCH TO INDICATE THAT YOU ARE WORKING ON THE CIRCUIT.

Make electrical connections per the wiring diagram shipped with the deli case. Refer to the electrical specifications on the data plate.

OPERATION

WARNING: THE DELI CASE AND ITS PARTS ARE HOT. USE CARE WHEN OPERATING, CLEANING OR SERVICING THE DELI CASE.

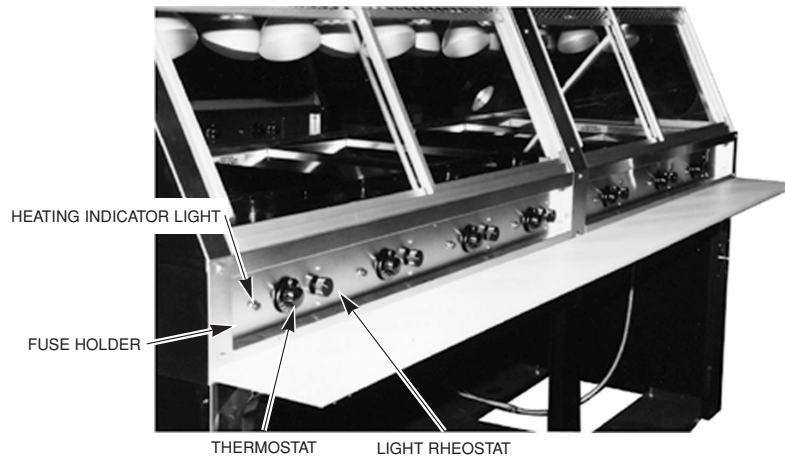
CAUTION: The deli case is designed to operate without moisture. Do not place any water in the well of the heated deli cabinet.

Your display case is equipped with either overhead radiant heat lamp bulbs and well heating elements (page 8) or with overhead radiant heating elements with overhead halogen lamps and well heating elements (pages 9 – 14). The combination of overhead heat and well heat generates the required heat for food holding requirements. Each of these components operates independent of the other. Due to the differences in food product densities, some food products will require higher or lower heat settings than others.

Depending on the case type, model and size, the control panel operating decal will vary. The following summarizes the configuration of the controls.

CONTROLS — All Models with Overhead Radiant Heat Lamp Bulbs, Euro, Counter, Designer, Two Tier or Pedestal Models, Full Service or Self-Service, Model HHFC4 (Case Length: 4 Foot), Model HHFC5 (Case Length: 5 Foot), Model HHFC6 (Case Length: 6 Foot) or Model HHFC8 (Case Length: 8 Foot)

The size of the deli case and the model number determine the number of heating zones required to maintain temperature in the display case. Each zone has a separate heating element and overhead heat lamp. Each zone has its own thermostat, heating indicator light and light rheostat. Monitor case temperatures throughout the day as required.



- Thermostat** — Regulates the well heating elements to maintain the set temperature. Settings range from 1 to 10 (Low to High).
- Heating Indicator Light** — When lit, the heating element is providing heat to that zone.
- Light Rheostat** — Adjusts the amount of overhead radiant heat from heat lamp bulbs.
- Fuse Holder** — Replace fuse with same size and type.

CONTROLS — Island Case, Self-Service, Model HIC4 (Case Length: 4 Foot)

One thermostat control adjusts the well heaters for the entire case. One switch controls all overhead radiant heat lamp bulbs. Monitor case temperatures throughout the day as required.

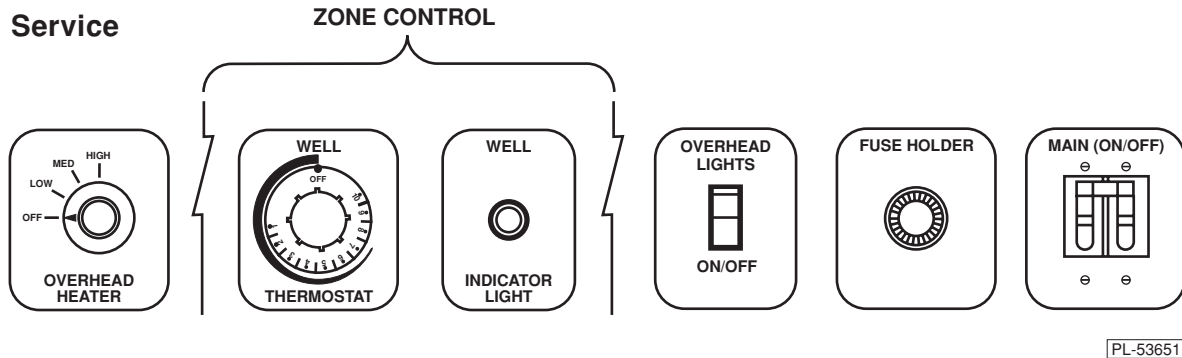
- Well Thermostat** — Regulates the well heating elements to maintain the set temperature.
- Overhead Heater Switch** — Turns the overhead radiant heat lamp bulbs On or Off.
- Well Heater Switch** — Turns the bottom (well) heaters On or Off.



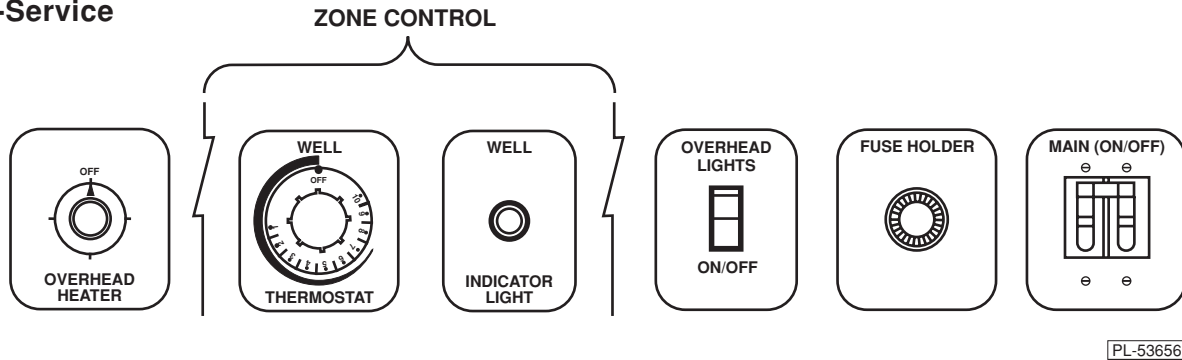
CONTROLS — Countertop, Euro Style or Pedestal, Model HHFC4 or HHFC4C (Case Length: 4 Foot), with Overhead Heater and Halogen Lighting

Each zone has its own separate heating element with thermostat control and heating indicator light. One control adjusts the overhead heater for the entire case. One switch controls all overhead lights. Monitor case temperatures throughout the day as required.

Full Service



Self-Service



Overhead Heater

— Regulates the heating elements to Low, Medium or High settings.

Well Thermostat

— Regulates the well heating elements to maintain the set temperature. Settings range from 1 to 10 (Low to High). Zone Controls are repeated for each zone on longer cases.

Well Indicator Light

— When lit, the well heating element is providing heat to that zone.

Overhead Lights

— Turns the overhead halogen lights On or Off.

Fuse Holder

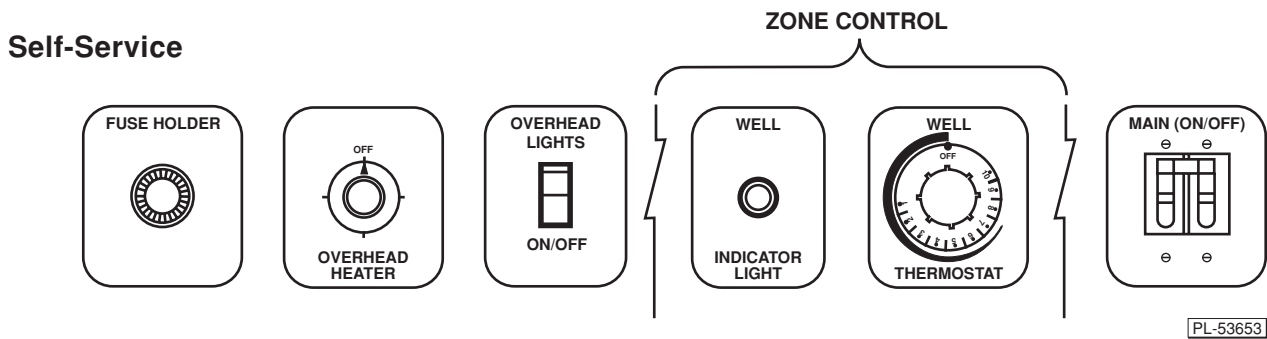
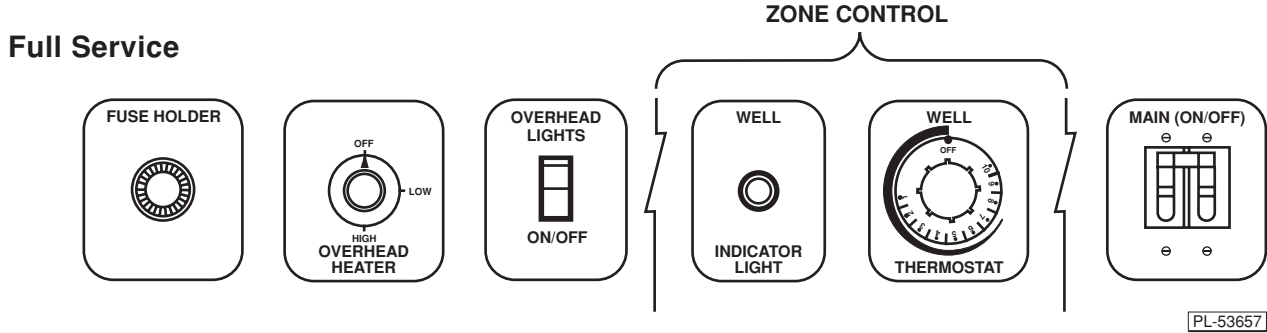
— Replace fuse with same size and type.

Main Circuit Breaker

— Turns power to the display case On or Off.

CONTROLS — Countertop, Euro Style or Pedestal, Model HHFC5 or HHFC5C (Case Length: 5 Foot), Model HHFC6 or HHFC6C (Case Length: 6 Foot), with Overhead Heater and Halogen Lighting

Each zone has its own separate heating element with thermostat control and heating indicator light. One control adjusts the overhead heater for the entire case. One switch controls all overhead lights. Monitor case temperatures throughout the day as required.

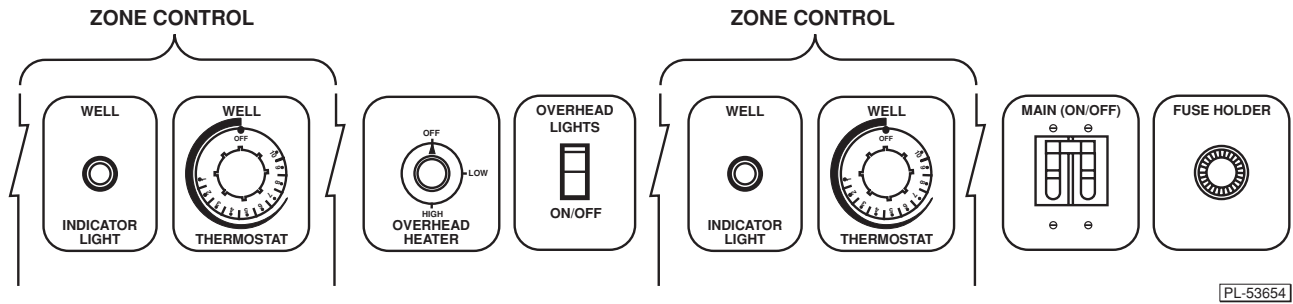


- Fuse Holder** — Replace fuse with same size and type.
- Overhead Heater** — Regulates the heating elements to Low, Medium or High settings.
- Overhead Lights** — Turns the overhead halogen lights On or Off.
- Well Indicator Light** — When lit, the well heating element is providing heat to that zone.
- Well Thermostat** — Regulates the well heating elements to maintain the set temperature. Settings range from 1 to 10 (Low to High). Zone Controls are repeated for each zone on longer cases.
- Main Circuit Breaker** — Turns power to the display case On or Off.

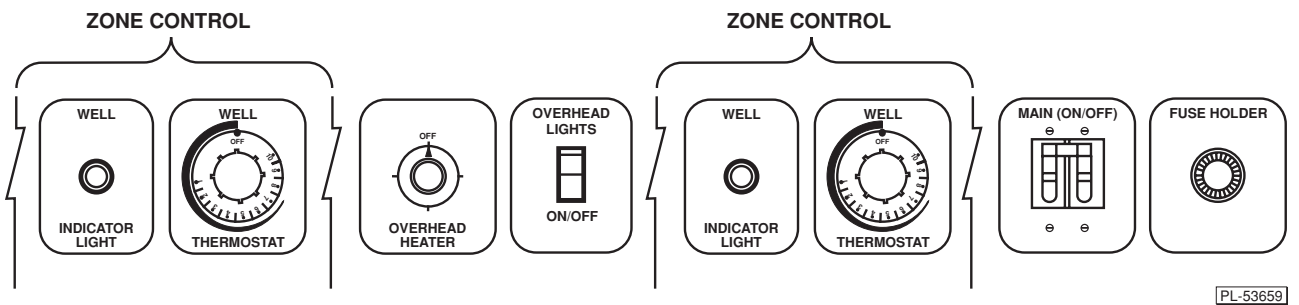
CONTROLS — Countertop, Euro Style or Pedestal, Model HHFC8 or HHFC8C (Case Length: 8 Foot), with Overhead Heater and Halogen Lighting

Each zone has its own separate heating element with thermostat control and heating indicator light. One control adjusts the overhead heater for the entire case. One switch controls all overhead lights. Monitor case temperatures throughout the day as required.

Full Service



Self-Service



Well Indicator Light

— When lit, the well heating element is providing heat to that zone.

Well Thermostat

— Regulates the well heating elements to maintain the set temperature. Settings range from 1 to 10 (Low to High).

Overhead Heater

— Regulates the heating elements to Low or High settings.

Overhead Lights

— Turns the overhead halogen lights On or Off.

Fuse Holder

— Replace fuse with same size and type.

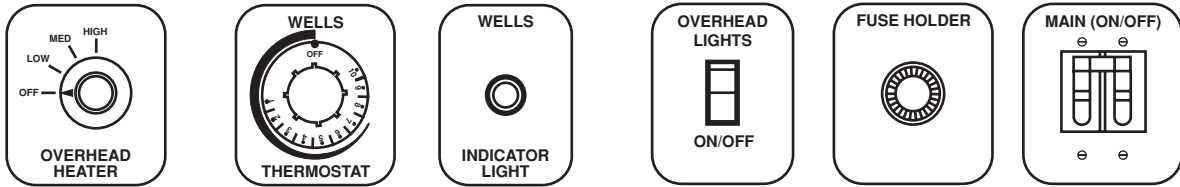
Main Circuit Breaker

— Turns power to the display case On or Off.

CONTROLS — Designer or Two Tier, Model HHFC4 (Case Length: 4 Foot), with Overhead Heater and Halogen Lighting

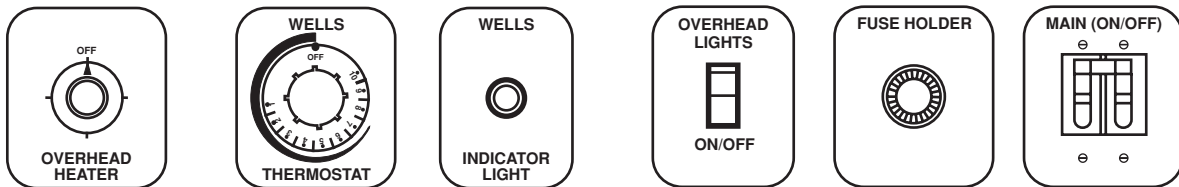
One thermostat control adjusts the well heaters for the entire case; one heating indicator light indicates when the heat is on. One control adjusts the overhead heater for the entire case. One switch controls all overhead lights. Monitor case temperatures throughout the day as required.

Full Service



PL-53650

Self-Service



PL-53658

Overhead Heater

— Regulates the heating elements to Low, Medium or High settings.

Wells Thermostat

— Regulates the well heating elements to maintain the set temperature for all wells. Settings range from 1 to 10 (Low to High).

Wells Indicator Light

— When lit, the well heating element is providing heat.

Overhead Lights

— Turns the overhead halogen lights On or Off.

Fuse Holder

— Replace fuse with same size and type.

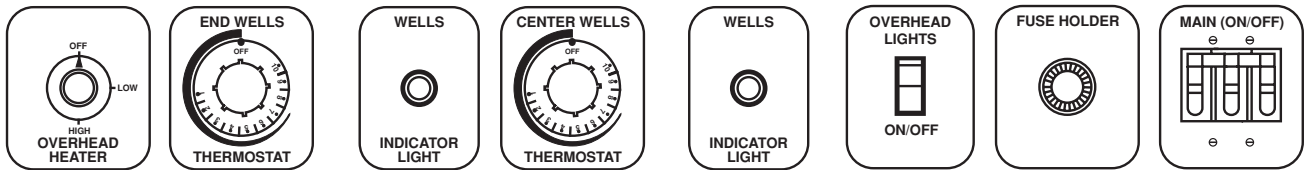
Main Circuit Breaker

— Turns power to the display case On or Off.

CONTROLS — Designer or Two Tier, Model HHFC5 (Case Length: 5 Foot) or Model HHFC6 (Case Length: 6 Foot), with Overhead Heater and Halogen Lighting

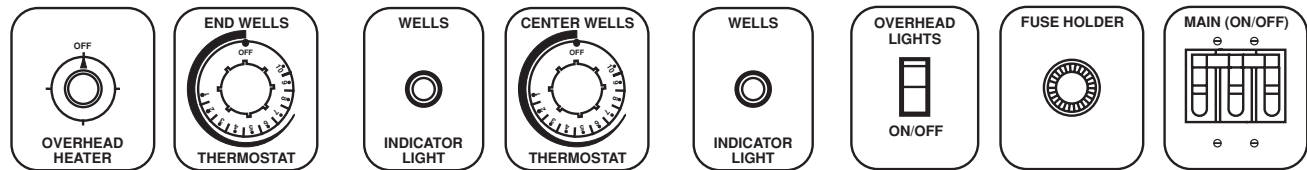
One thermostat control (with heating indicator light) adjusts the heaters for the extreme left and right end wells while another thermostat control (and heating indicator light) adjusts the heaters for the center wells. One control adjusts the overhead heater for the entire case. One switch controls all overhead lights. Monitor case temperatures throughout the day as required.

Full Service



PL-53655

Self-Service



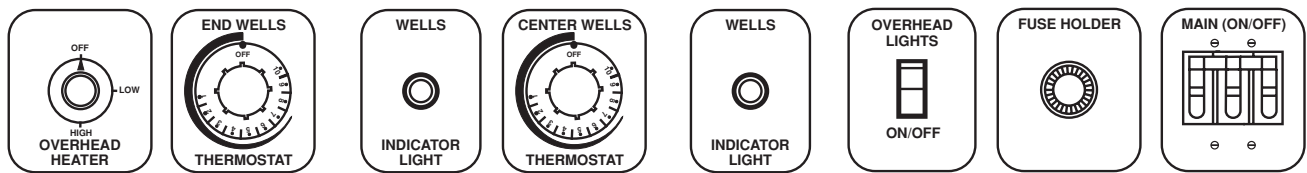
PL-53660

- Overhead Heater** — Regulates the heating elements to Low, Medium or High settings.
- End Wells Thermostat** — Regulates the well heating elements for both the extreme left and right wells to maintain the set temperature. Settings range from 1 to 10 (Low to High).
- Wells Indicator Light** — When lit, the well heating element is providing heat to that zone.
- Center Wells Thermostat** — Regulates the well heating elements for the center two wells on model HHFC5 or the center three wells on model HHFC6 to maintain the set temperature. Settings range from 1 to 10 (Low to High).
- Wells Indicator Light** — When lit, the heating element is providing heat to that zone.
- Overhead Lights** — Turns the overhead halogen lights On or Off.
- Fuse Holder** — Replace fuse with same size and type.
- Main Circuit Breaker** — Turns power to the display case On or Off.

CONTROLS — Designer or Two Tier, Model HHFC8 (Case Length: 8 Foot), with Overhead Heater and Halogen Lighting

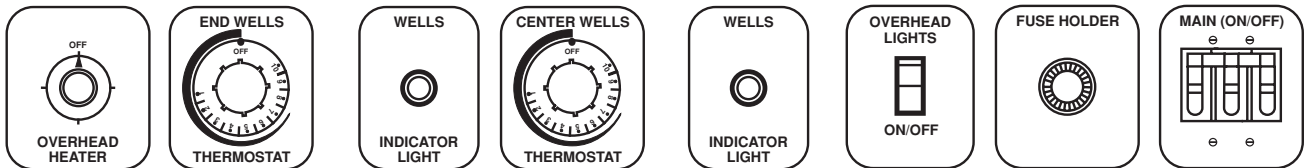
One thermostat control (with heating indicator light) adjusts the heaters for the two extreme left and two extreme right end wells while another thermostat control (and heating indicator light) adjusts the heaters for the three center wells. One control adjusts the overhead heater for the entire case. One switch controls all overhead lights. Monitor case temperatures throughout the day as required.

Full Service



PL-53655

Self-Service



PL-53660

- Overhead Heater** — Regulates the heating elements to Low, Medium or High settings.
- End Wells Thermostat** — Regulates the well heating elements for both the two extreme left and two extreme right wells to maintain the set temperature. Settings range from 1 to 10 (Low to High).
- Wells Indicator Light** — When lit, the well heating element is providing heat to that zone.
- Center Wells Thermostat** — Regulates the well heating elements for the center three wells to maintain the set temperature. Settings range from 1 to 10 (Low to High).
- Wells Indicator Light** — When lit, the heating element is providing heat to that zone.
- Overhead Lights** — Turns the overhead halogen lights On or Off.
- Fuse Holder** — Replace fuse with same size and type.
- Main Circuit Breaker** — Turns power to the display case On or Off.

BEFORE FIRST USE

Before using the deli case for the first time, thoroughly clean the deli case with warm soapy water. Rinse thoroughly and wipe dry with a soft clean cloth. Clean all glass surfaces with a quality glass cleaner.

USING THE DELI CASE

Preheating

Before placing products in the deli case, preheat for approximately 30 to 45 minutes by setting the well thermostat control(s) to the highest setting and by turning the overhead heater control(s) to the maximum setting. While preheating, empty pans should be placed in all open pan slots and removed after the preheating. After loading the case, adjust the overhead heater control(s) and the well thermostat(s) down to the desired holding temperature.

USING THE LASER TEMPERATURE SENSOR (Optional)

WARNING: LASER RADIATION — FOLLOW THE INSTRUCTIONS ON THE TEMPERATURE SENSOR (Fig. 2).

Your deli display case may have a laser temperature sensor. To use the laser temperature sensor, open the door, point the temperature sensor at the product and pull the switch. The temperature sensor will display the surface temperature of the product. When finished, put the temperature sensor back in the holder provided.

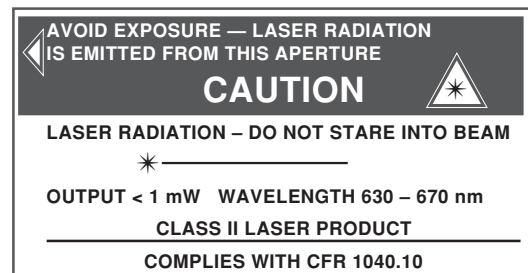


Fig. 2

If your display case is equipped with a laser temperature sensor that is operated by a battery, replace the battery as necessary. Battery size is 9 volt.

CLEANING

WARNING: DISCONNECT ELECTRICAL POWER SUPPLY BEFORE CLEANING.

Daily

Clean the glass in the deli case with a quality glass cleaner. Never use any type of abrasive cleaner on the glass panels.

Wash all stainless steel surfaces at least once daily. Use a cloth with warm water and a mild soap or detergent. Always rub in the direction of the polish lines on the stainless steel to preserve the original finish. Do not use abrasive cleansers that could scratch the stainless steel. Do not use standard steel wool on stainless steel finishes. Pieces of the steel wool will adhere to the stainless steel and cause rusting. After cleaning, rinse thoroughly and wipe dry with a soft clean cloth.

Clean the well while still warm to make it easier to remove food spills. Use a mild detergent and water solution to clean the well and the rims of the well. Do not use abrasive cleansers that could scratch the stainless steel. Rinse thoroughly and wipe dry with a soft clean cloth.

MAINTENANCE

WARNING: THE DELI CASE AND ITS PARTS ARE HOT. USE CARE WHEN OPERATING, CLEANING OR SERVICING THE DELI CASE.

WARNING: DISCONNECT ELECTRICAL SUPPLY AND PLACE A TAG AT THE DISCONNECT SWITCH TO INDICATE THAT YOU ARE WORKING ON THE CIRCUIT BEFORE PERFORMING ANY MAINTENANCE.

REPLACING THE OVERHEAD HEAT LAMPS

WARNING: THE HEAT LAMPS ARE HOT. THE LAMPS MUST BE ALLOWED TO COOL BEFORE REPLACING.

Full Service

Unscrew old heat lamp bulb(s) and replace with Cov-R-Guard Opaque Coated bulb(s) rated 130 watt, 120 volt, either:

General Electric part number 150R/FL130WM/CVG; or

General Electric part number 120R40FL/STGPQ6.

Self-Service Cases, Self-Service Portion of Case or Two Tier Cases

Unscrew old heat lamp bulb(s) and replace with same type infrared bulb rated 250 watt, 120 volt, either:

Prism part number BR40-CL/250 (Clear Non-Cover Guard Coated)*; or

General Electric part number 250R40/1/CVG (Clear Cover Guard Coated)**.

* Factory Standard.

** Optional.

REPLACING THE HALOGEN LAMPS

WARNING: THE HALOGEN LAMPS ARE HOT. THE LAMPS MUST BE ALLOWED TO COOL BEFORE REPLACING.

Unscrew old halogen lamp(s). Use a soft cloth to handle the bulbs. Human contact will reduce life of bulbs. Replace with clear, standard base bulb rated 75 watt, 120 volt:

Abco part number 04812 (Westinghouse type JDD).

SERVICE

Contact your local Hobart Service Office for any repairs or adjustments needed on this equipment.