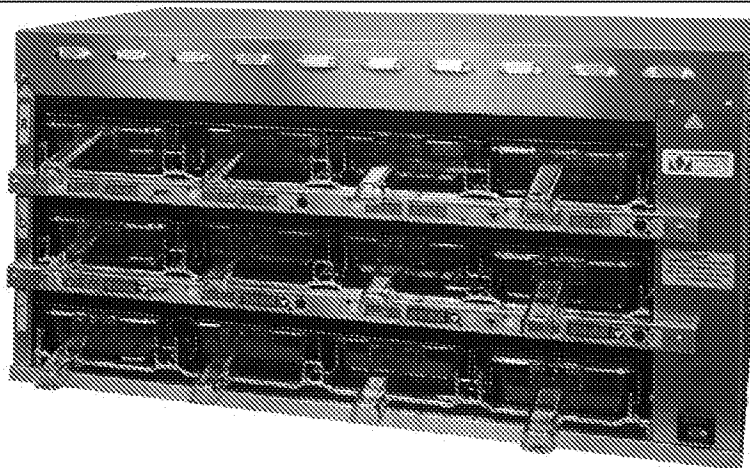


Original Instructions Operation Manual



Product Holding Bin
DHB3PT-33DD, DHB3SS-33DD



LIMITED WARRANTY

This product is warranted to be free from defects in material and/or workmanship for a period of 1 year from date of original installation, not to exceed 18 months from the date of manufacture.

Any component which proves to be faulty in material and/or workmanship will be replaced or repaired (at the option of Prince Castle LLC) without cost to the customer for parts and labor. This warranty covers on-location service (i.e. trip charges and or mileage). Travel mileage is limited to 100 miles (200 kilometers) round trip (one trip warranty) from an authorized service agency or its sub-service agency.

This warranty is subject to the following exceptions/conditions:

- Use of any non-genuine Prince Castle parts voids this warranty. Warranty does not cover consumable items such as Pans, Lids and Trivets
- All labor to be performed during regular work hours. Overtime premium (the incremental amount) will be charged to the customer.
- Damage caused by carelessness, neglect and/or abuse (e.g., dropping, tampering or altering parts, equipment damaged in shipment, by fire, flood or an act of nature) is not covered under this warranty.
- All problems due to operation at voltages other than that specified on equipment nameplates are not covered by this warranty. Conversion to correct voltage is the customer's responsibility.
- This equipment must be serviced by a Prince Castle Authorized Service Agency or a Prince Castle Service Technician during the warranty period..



355 East Kehoe Blvd. • Carol Stream, IL 60188 USA
Telephone 630-462-8800 • Toll Free: 1-800-PCASTLE
Fax: 630-462-1460 • www.princecastle.com

TABLE OF CONTENTS

Safety Information	2
Electrical Specifications	2
Product Identification	2
Installation	3
Controls	3
Product Setup	4
Changing Product	5
Changing Menus	6
Cleaning	6
Accessing the Programming Mode.....	6
Changing the Hold Time	7
Changing the Temperature Degree Scale	8
Viewing Set Point and Actual Temperatures.....	8
Changing the Set Point Temperatures.....	10
Calibrating Heaters.....	11
Adjusting the Audible Alert.....	12
Editing Product Names.....	13
Factory Presets	14
Troubleshooting	15
Wiring Diagram	16
Exploded View and Parts List	17
Boot Loader Instructions	18



Safety Information

⚠ WARNING

Indicates information important to the proper operation of the unit. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.

⚠ CAUTION

Indicates information important to the operation of the unit. Failure to observe may result in damage to the equipment.

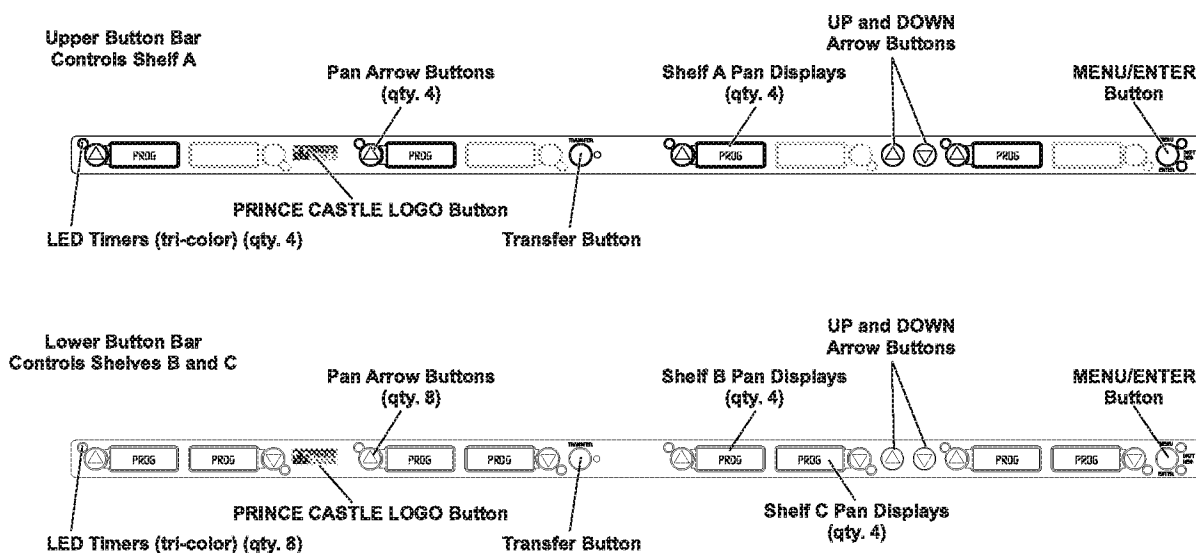
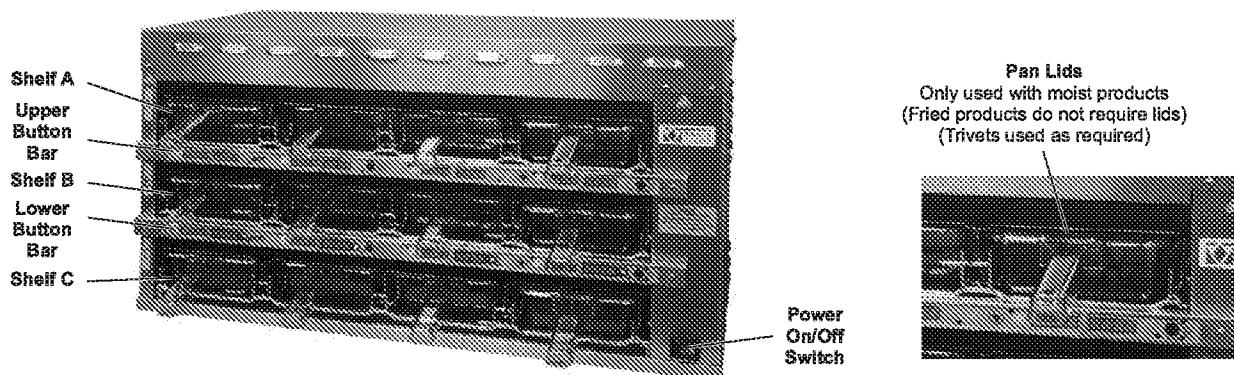
Electrical Specifications

Model No.	Volts	Watts	Hz
DHB3PT-33DD	120	1875	50/60
DHB3SS-33DD	120	1875	50/60

Important

Prince Castle reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

Product Identification



Installation

Remove the unit from the carton and inspect for signs of damage. If there is damage to the unit:

- notify the carrier within 24 hours of delivery
- save carton and packaging materials for inspection purposes
- contact your local dealer, or if purchased directly, the Prince Castle Sales Department at 800-722-7853 or 1-630-462-8800 to arrange for a replacement unit.

NOTE: When installing this unit, the ambient temperature at the mounting site should not exceed 100°F (38°C).

Plug the power cord into the proper electrical receptacle. All electrical connections must be in accordance with local electrical codes and any other applicable codes.

WARNING

All electrical connections must be in accordance with local electrical codes and any other applicable codes.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.

To prevent an electric shock hazard this device must be bonded to equipment in close proximity with an equipotential bonding conductor. This device is equipped with a bonding lug for this purpose and is marked with the following symbol.

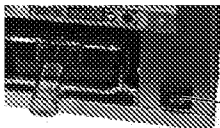


Controls

WARNING

This application is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

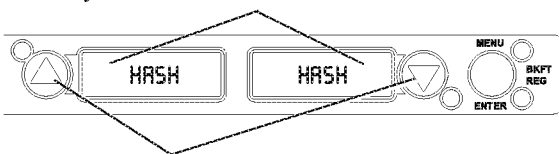
- 1** To turn on the unit, turn power On/Off switch (A) to the ON position.



Allow 30 minutes for heaters to reach operating temperature. The button bar will read "WARM UP" as the unit warms up, then will display the product names.

NOTE: Load pan covers (if used) and insert pans into the unit.

- 2** The Pan Displays show the assigned product name for each pan. During a timing cycle, the Pan Display alternates between the product name and the time left in the cycle.



The Pan Arrow button, when pressed, starts a timing cycle for the product displayed. If no product is assigned, the display will show OFF. Pressing the Pan Arrow button will not activate a timer if OFF is displayed. Pressing the Pan Arrow button during a timing cycle ends the cycle.

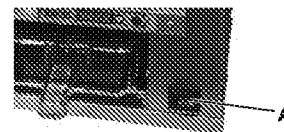
- 3** LED Timers indicate status.



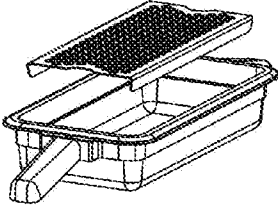
LED Timers

LED off = Ready for product
 RED (flashing) = Discard product
 Green (steady) = Oldest product, use first
 Yellow (steady) = Newer product, use green first

- 4** To turn off the unit, turn power On/Off switch (A) to the OFF position.



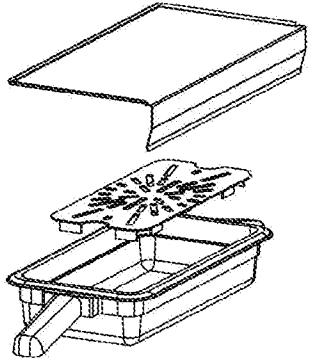
Product Setup



CRISPY PRODUCTS

- No lid
- Metal trivet

CKN HASH

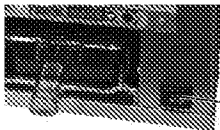


MOIST PRODUCTS

- Use lid
- Plastic trivet

BCN FRD HAM SMK
SSG STK TSSG VEW

- 1** To turn on the unit, turn power On/Off switch (A) to the ON position.



Allow 20 minutes for heaters to reach operating temperature. The button bar will read "WARM UP" as the unit warms up, then will display the product names.

NOTE: Load pan covers (if used) and insert pans into the unit.

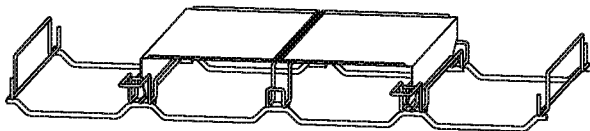
- 5** Load pans into racks. Be sure to load each pan into a bin with the correct product name displayed.

BCN = Bacon	SMK = Smoked Sausage
CKN = Breaded Chicken	SSG = Sausage
FRD = Pepper Fried Eggs	STK = Steak
HAM = Ham	TSSG = Turkey Sausage
HASH = Hash Browns	VEW = Veggie Egg White
_____ = _____	_____ = _____
_____ = _____	_____ = _____

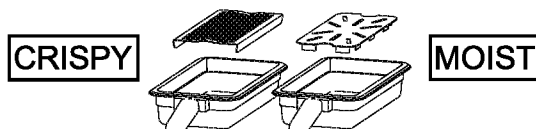
- 2** View product names to decide where to place the lids. Every MOIST product needs a lid.

NOTE: If you need to change one or more products before you set up, see *Changing Products*.

- 3** Pull the racks forward and move lids. For Shelf A, lift the rack just enough so you can pull the rack forward. Arrange the lids so they are only on bins with MOIST product names. Re-insert the rack. Repeat for Shelves B and C.



- 4** Load product into pans. CRISPY products use metal trivets and MOIST products use plastic trivets.



- 6** Press the Pan Arrow button to start the timer. The Pan Display will start to alternate between the product name and the time left in the cycle. The LED will be green if this is the first timer with that product name. If it is not the first timer activated for that product, the LED will be yellow.

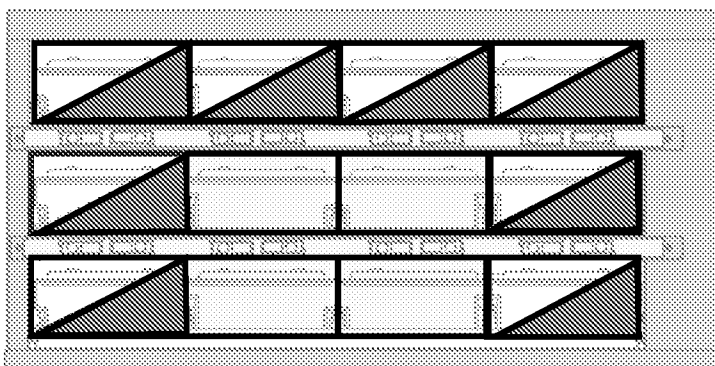


Pan Arrow Button

NOTE: Always use the product with the green LED first.

- 7** Discard product when cycle ends. When the cycle ends, the alert will sound, the LED will flash red and you should discard the product. You may start a new cycle with new product (see Step 4).

Changing Product



Zones



Moist Only Bin



Moist OR Crisply Bin

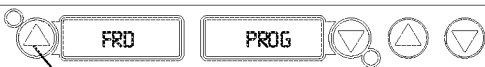
- 1 Press and hold the **PRINCE CASTLE LOGO** button for 6 seconds. All Pan Displays on the button bar will show *PROG*. All LED Timers will be OFF.

PRINCE CASTLE LOGO Button



- 2 Choose a bin to change to the product name you need. **MOIST** products may be assigned to any bin. **CRISPY** products need to be located in the outside bins as shown in the Zones drawing above.

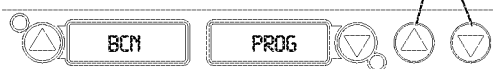
- 3 Press the **Pan Arrow** button for the bin you chose. The LED Timer will change to yellow and the Pan Display will show the product name currently assigned to that bin.



Pan Arrow Button

- 4 Press the **UP** or **DOWN** Arrow button to scroll to the desired product name.

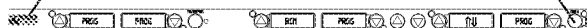
UP and DOWN Arrow Buttons



- 5 Press the **MENU/ENTER** button to select the product name.

PRINCE CASTLE LOGO Button

MENU/ENTER Button



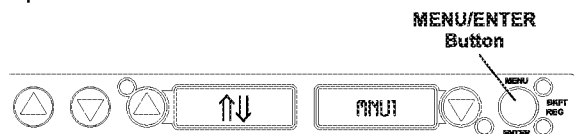
- 6 Repeat Steps 2 – 5 for other bins you want to change.

- 7 Press the **PRINCE CASTLE LOGO** button to return to the operating mode.

Changing Menus

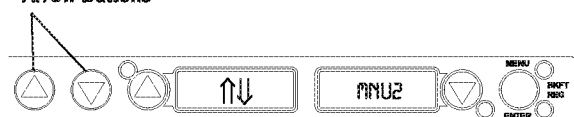
IMPORTANT

Your button bar may be set up with 2 menus. Check which menu is being used by pressing the MENU/ENTER button. Repeat for the other button bar.



You may change to the other menu on the button bar. While pressing and holding the MENU/ENTER button, press the UP or DOWN Arrow button to toggle between menus. Repeat for the other button bar.

UP and DOWN
Arrow Buttons



Cleaning

WARNING

Before performing any maintenance or cleaning, turn the power switch to the OFF position and unplug the power cord from the electrical receptacle. Allow unit to cool. DO NOT attempt to clean while unit is hot.

CAUTION



Turn the power switch to the OFF position.

- 1 Remove wire racks, pans, lids and trivets from DHB and take to 3 compartment sink for cleaning (soap, rinse, sanitize) and the set aside to dry
Wring excess moisture out of cleaning towel and use to wipe the shelves and exterior surfaces of the unit clean. Warning - DO NOT use a green Scotch Bright pad or similar abrasive cleaning pad or tool, ice or water.

- 2 Allow the unit as well as its wire racks, pans, lids and trivets to dry before putting back in place. At least 30 minutes prior to next use, plug unit in and turn power back on.

Accessing the Programming Mode

- 1 Press and hold the PRINCE CASTLE LOGO button, then immediately press and hold the MENU/ENTER button until the display shows one of the programming menus.



- 2 Use the UP and DOWN Arrow buttons to scroll through the programming menu choices.

SET	PROD	TIME	↑↓	ENTR
SET	DEGR	F/C	↑↓	ENTR
	CAL	HTRS	↑↓	ENTR
SET	PROD	TEMP	↑↓	ENTR
	SET	VOL3	↑↓	ENTR
SET	LINK	GRP1	↑↓	ENTR
DISP	ALT	TIME	↑↓	ENTR
EDIT	PROD	NAME	↑↓	ENTR

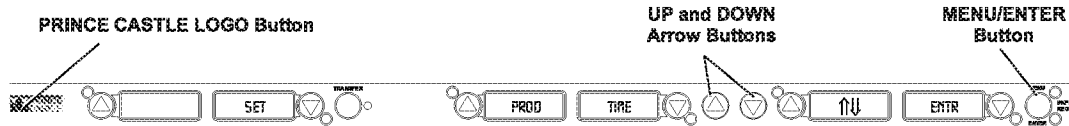
NOTE: Set Degrees F/C, Calibrate Heaters and Set Product Temperature can only be accessed from the upper button bar.

IMPORTANT

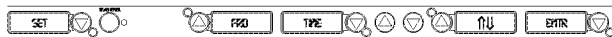
To reset one of the button bars to the factory settings, turn the unit off, then press and hold that button bar's UP and DOWN Arrow buttons simultaneously while turning the unit back on. *PRESET LOADED* will appear in that button bar and that button bar will be reset to original factory settings. Repeat, if desired, for the other button bar.

Changing the Hold Time

- The SET PRODUCT TIME menu is used to change the Hold time for products.
 Press and hold the PRINCE CASTLE LOGO button, then immediately press and hold the MENU/ENTER button until the display shows one of the programming menus.
 Use the UP or DOWN Arrow button to scroll to the SET PROD TIME ↓↑ ENTR (Set Product Time) menu.



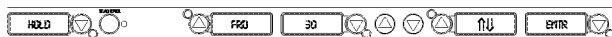
- Press and release the MENU/ENTER button to enter the Set Product Time menu. The display will show SET FRD TIME ↓↑ ENTR.
 Use the UP or DOWN Arrow button to scroll through the list of products. When the desired product is displayed, press the MENU/ENTER button to select it.



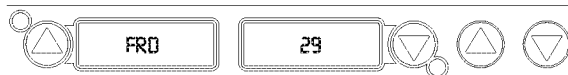
- The display will show SET PROD TIME ↓↑ ENTR. Repeat Steps 2 – 3 for any other product.
 Press and release the PRINCE CASTLE LOGO button at any time to exit the Program Mode and return to the operating mode.
NOTE: If the MENU/ENTER button has not been pressed to save any changes, the program will revert to the original values.



- The display will show HOLD FRD 30 ↓↑ ENTR.



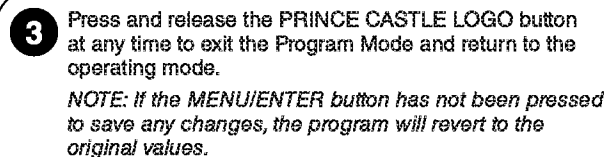
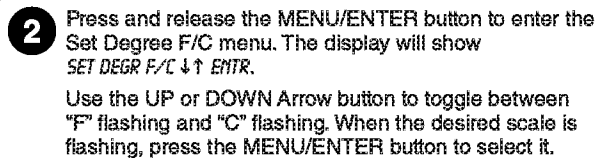
Use the UP or DOWN Arrow button to scroll to the desired Hold time. When the desired Hold time is displayed, press the MENU/ENTER button to save the desired Hold time.



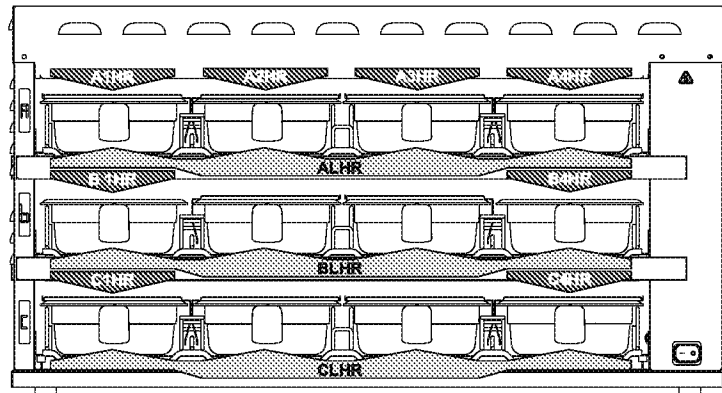
1 The SET DEGREE F/C menu is used to change the display to Fahrenheit (default) or Celsius.

On the upper button bar, press and hold the PRINCE CASTLE LOGO button, then immediately press and hold the MENU/ENTER button until the display shows one of the programming menus.

Use the UP or DOWN Arrow button to scroll to the SET DEGR F/C $\downarrow \uparrow$ ENTR (Set Degree F/C) menu.



The heater temperature display and control have been incorporated into the upper button bar. The upper button bar controls the heaters for all the shelves.



	Set Temperature	Actual Temperature	Heater Location	Heater Indicator
°F (°C)	200S (93S)	196A (91A)	ALHR	↑ ↓ H

Heat indicator: H will be shown when the bin controller has turned on the heater. H will flash when a fault condition exists for the displayed heater.

Viewing Set Point and Actual Temperatures (continued)

To display information for the other heaters, press the UP or DOWN Arrow buttons to scroll through each heater location. The table below shows the heater information that will be displayed. The temperatures and Heat Indicator displays shown are examples only.

Set Temperature	Actual Temperature	Heater Location	Heater Indicator
200S (93S)	196A (91A)	ALHR	↑↓ H
OFF	OFF	A1HR	↑↓
OFF	OFF	A2HR	↑↓
OFF	OFF	A3HR	↑↓
250S (121S)	239A (115A)	A4HR	↑↓ H
200S (93S)	197A (92A)	BLHR	↑↓ H
OFF	OFF	B1HR	↑↓
250S (121S)	247A (119A)	B4HR	↑↓ H
200S (93S)	197A (92A)	CLHR	↑↓ H
OFF	OFF	C1HR	↑↓
250S (121S)	247A (119A)	C4HR	↑↓ H

Heater fault indications will be displayed instead of an actual temperature if a heater error condition exists. These indications are:

Open Relay: Actual Temperature display alternates between *OPEN* and *RELY*

Shorted Relay: Actual Temperature display alternates between *SHRT* and *RELY*

High Temperature: Actual Temperature display shows *HHHH*

If any of these events occur, call a qualified service technician.

These fault indicators will be accompanied by the Heat Indicator display flashing *H*.

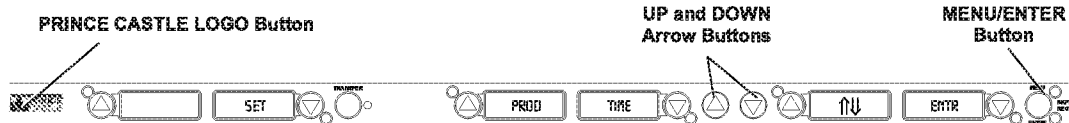
The Actual Temperature display will show *LLL* (low temperature) if the heater temperature is below 75°F (24°C), such as during warm-up.

Cancel Heater Display:

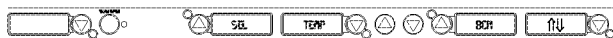
To cancel the heater display and go back to normal timer displays, press the PRINCE CASTLE LOGO button and the UP Arrow button together and release. The displays will return to showing product names or remaining time if a timer is running. Also, the heater display will cancel itself after 20 seconds if no button is pressed.

Changing the Set Point Temperatures

- The SET PRODUCT TEMP menu is used to change the set point temperature for products.
On the upper button bar, press and hold the PRINCE CASTLE LOGO button, then immediately press and hold the MENU/ENTER button until the display shows one of the programming menus.
Use the UP or DOWN Arrow button to scroll to the SET PROD TEMP ↓↑ ENTR (Set Product Temperature) menu.

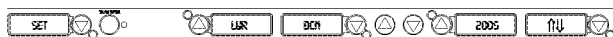


- Press and release the MENU/ENTER button to enter the Set Product Temperature menu. The display will show SET TEMP BCM.
Use the UP or DOWN Arrow button to scroll through the list of products. When the desired product is displayed, press the MENU/ENTER button to select it.

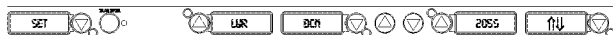


- The display will show SET PROD TEMP ↓↑ ENTR. Repeat Steps 2 – 3 for any other product.
Press and release the PRINCE CASTLE LOGO button at any time to exit the Program Mode and return to the operating mode.
NOTE: If the MENU/ENTER button has not been pressed to save any changes, the program will revert to the original values.

- The display will show SET LWR BCM 2005 ↓↑.



Use the UP or DOWN Arrow button to scroll to the desired temperature. When the desired temperature is displayed, press the MENU/ENTER button to save the desired temperature.



Calibrating Heaters

Calibrating Heater Offset:

NOTE: Allow a sufficient amount of time for temperatures to stabilize before starting calibration.

Measuring temperature:

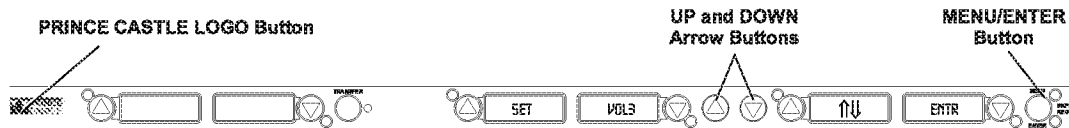
- View the actual heater temperatures as described in Viewing Set Point and Actual Temperatures.
- Using a stand-alone temperature meter (not supplied), take a temperature reading within the shelf near the center of the heater surface. If the actual temperature displayed by the timer bar does not closely match the meter, the displayed temperature can be adjusted as follows.

Adjusting the temperature display:

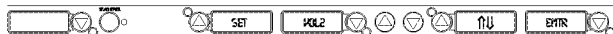
1. On the upper button bar, press and hold the PRINCE CASTLE LOGO button and MENU/ENTER button together for 6 seconds. The display will change to program mode.
2. Use the UP and DOWN Arrow buttons to scroll to the CAL HTRS display.
3. Press the Menu/Enter button. The display will show SEL ALWR for Shelf A, lower heater.
4. Use the UP and DOWN Arrow buttons to scroll to the heater to adjust. The display will cycle through the heaters. See Viewing Set Point and Actual Temperatures for shelf and heater locations.
5. Press the MENU/ENTER button. The display will show CAL ALWR (if ALWR was chosen) and the actual temperature number. This number may fluctuate by a degree, since it is the actual temperature reading.
6. Press and release the UP or DOWN Arrow buttons to increase or decrease the displayed temperature number. The number can be increased by up to 20 degrees, or decreased by up to 20 degrees. The display may not change instantly. For example, if the display shows 200 and the handheld meter shows 205, press the Up Arrow button 5 times. The display will increment for the number of button pushes until it shows 205. This number may fluctuate by a degree, since it is the actual temperature reading.
7. Press the MENU/ENTER button. The display will go back to CAL HTRS again.
8. Repeat this process for the other heaters.
9. Press the PRINCE CASTLE LOGO button when done. The bar will return to normal operating mode.

Adjusting the Audible Alert

- The SET VOLUME menu is used to change the volume level and the DISPLAY ALERT TIME is used to adjust the length of the alert.
Press and hold the PRINCE CASTLE LOGO button, then immediately press and hold the MENU/ENTER button until the display shows one of the programming menus.
Use the UP or DOWN Arrow button to scroll to the SET VOL3 ↓↑ ENTR (Set Volume) menu.



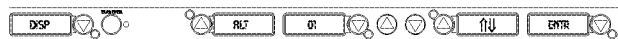
- Press and release the MENU/ENTER button to enter the Set Volume to the desired level. The display will show SET VOL3 ↓↑ ENTR with the 3 flashing.
Use the UP or DOWN Arrow button to scroll. When the desired level is displayed, press the MENU/ENTER button to select it.



- The display will show SET VOL2 ↓↑ ENTR. Press the PRINCE CASTLE LOGO button to return to operating mode.

- Press and hold the PRINCE CASTLE LOGO button, then immediately press and hold the MENU/ENTER button until the display shows one of the programming menus again. Use the UP or DOWN Arrow button to scroll to the DISP ALT TIME (Display Alert Time) menu.

- Press the MENU/EDIT button to enter. The display will show DISP ALT 01 ↓↑ ENTR.



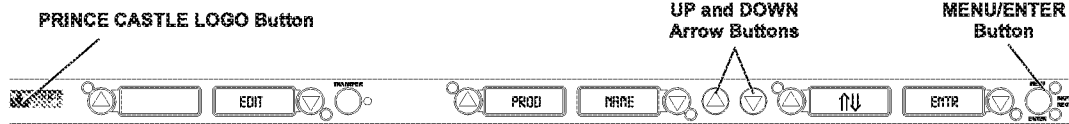
Use the UP or DOWN Arrow button to scroll to the desired Display Alert time. When the desired Display Alert time is displayed, press the MENU/ENTER button to save it.



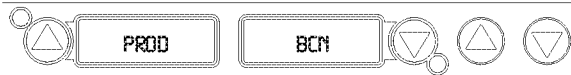
- The display will show DISP ALT TIME ↓↑ ENTR.
Press and release the PRINCE CASTLE LOGO button at any time to exit the Program Mode and return to the operating mode.
NOTE: If the MENU/ENTER button has not been pressed to save any changes, the program will revert to the original values.

Editing Product Names

- The EDIT PRODUCT NAME menu is used to change a default product name to one of your own choosing.
Press and hold the PRINCE CASTLE LOGO button, then immediately press and hold the MENU/ENTER button until the display shows one of the programming menus.
Use the UP or DOWN Arrow button to scroll to the *EDIT PROD NAME* ↓ ↑ *ENTR* (Edit Product Name) menu.



- Press and release the MENU/ENTER button to enter the Edit Product Name menu.
Use the UP or DOWN Arrow button to scroll through the list of products. When the desired product is displayed, press the MENU/ENTER button to select it.
The first letter (in this case, the *B*) will start blinking.

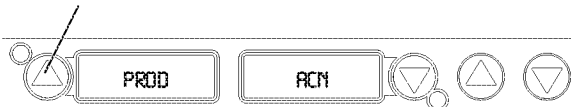


- When all digits have been changed, press the MENU/ENTER button to select the new name.



- To change the blinking *B*, use the UP or DOWN Arrow button to scroll to the desired letter/number/symbol. When the desired selection is displayed, press the Pan Arrow button until the flashing moves to the next digit. Repeat for all digits.

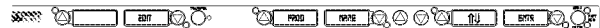
Pan Arrow Button



- The display will show *EDIT PROD NAME* ↓ ↑ *ENTR*. Repeat Steps 2 – 4 for any other product.

Press and release the PRINCE CASTLE LOGO button at any time to exit the Program Mode and return to the operating mode.

NOTE: If the MENU/ENTER button has not been pressed to save any changes, the program will revert to the original names.



Factory Presets

Products

	Product Name	Abbreviations	Time (Min)	Temp Top (F)	Temp Bottom (F)	Lid Y/N	Trivet Metal/Plastic
1	Bacon	BCN	30	0	200	Y	Plastic
2	Sausage	SSG	30	0	200	Y	Plastic
3	Ham	HAM	30	0	200	Y	Plastic
4	Turkey Sausage	TSSG	30	0	200	Y	Plastic
5	Smoked Sausage	SMK	30	0	200	Y	Plastic
6	Breaded Chicken	CKN	20	250	200	N	Metal
7	Steak	STK	20	0	200	Y	Plastic
8	Pepper Fried Eggs	FRD	30	0	200	Y	Plastic
9	Veggie Egg White	VEW	30	0	200	Y	Plastic
10	Hash Browns	HASH	20	250	200	N	Metal
11	OFF	OFF	0	0	200	Y	Plastic
12*	Crisp LTO/Other	CSP1	20	250	200	N	Metal
13*	Moist LTO/Other	MST1	30	0	200	Y	Plastic

*CSP1 and MST1 alternate until available menu space is full, i.e. CSP2, MST2, CSP3, MST3, etc.

Factory Preset Menu

TSSG	HAM	VEW	HASH
SSG	BCN	FRD	HASH
SSG	BCN	FRD	HASH

Troubleshooting

WARNING

To avoid personal injury and possible damage to the unit, troubleshooting and repair of electrical equipment should be performed by qualified service personnel. The unit should be unplugged when servicing, except when electrical tests are required. Use extreme caution during electrical circuit tests as live circuits may be exposed.

PROBLEM	PROBABLE CAUSE	SOLUTION
Display flashes <i>OPN</i> and <i>REL</i> .	Open relay. Circuit inoperable.	Call for service.
Display flashes <i>SHR</i> and <i>REL</i> .	Shorted relay. Circuit inoperable.	Call for service.
	Open heater.	Call for service.
	Unplugged ribbon cable between power and main circuit boards.	Call for service.
Display flashes <i>OPN</i> and <i>REL</i> .	Temperature is below 75°F (24°C).	Normal display during warmup.
	Heater inoperable.	Call for service.
	Probe inoperable.	Call for service.
	Relay inoperable.	Call for service.
Display shows <i>HHH</i> for an extended period of time and heater surface temperature is hot.	Temperature is above 300°F (149°C) (abnormal operation).	Call for service.
Display shows <i>HHH</i> for an extended period of time and heater surface temperature is cool.	Probe is inoperable.	Call for service.

For all technical support in North America, please contact Prince Castle LLC, 1-800-722-7853 opt. 1, or 1-888-375-2938 on our dedicated hotline. For technical support worldwide, contact your local service representative/installer.

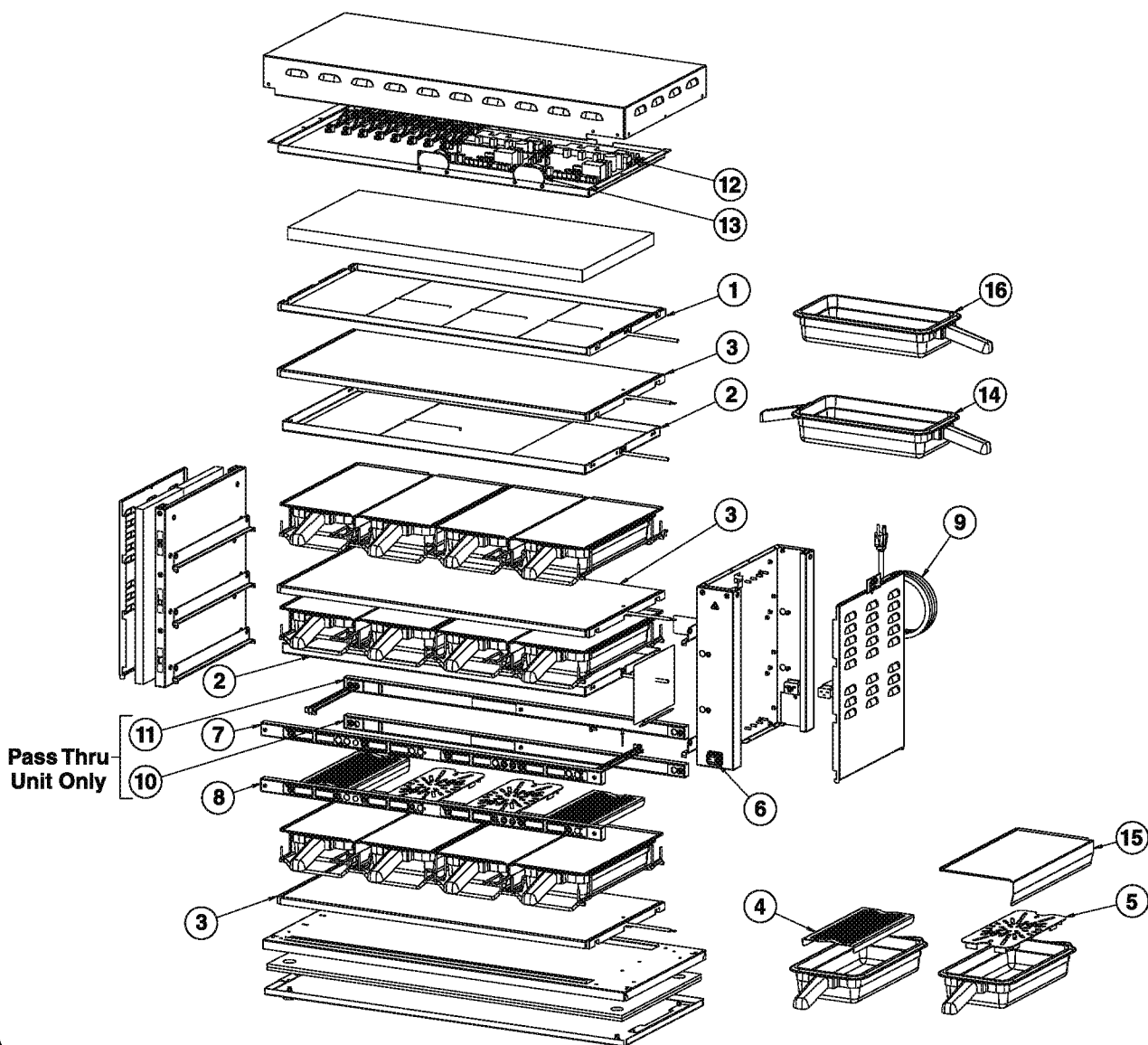
Helpful Hints

PROBLEM	PROBABLE CAUSE	SOLUTION
Food is too cold.	Unit is not plugged in or not turned on.	Check power source, plug, and power switch.
	Unit may not be up to operating temperature yet.	Allow unit 30 minutes to warm up after turning on.
	Product in wrong pan position or timer bar set to wrong product	Check that product in pan matches product name shown in timer bar for that pan location.
	Food not cooked to proper temperature before being placed in unit, or food was allowed to cool before being placed in unit.	Check temperature of foods going into unit to be sure they are properly cooked & hot.
	Pan not being positioned under heater.	Make sure end of pan is not sticking out past heaters.
Food is too hot.	Fan or HVAC vent causing strong draft through the unit.	Redirect air flow away from unit.
	Unit may have been switched to °C and then temperatures adjusted to match °F settings.	Check that unit is set to °F and check temperature settings against factory presets.
Crispy food is too soggy.	Using a lid on pan of crispy products.	Do not use lid on pan of crispy product.
	Not using trivet, or using wrong one.	Use metal trivet in bottom of pan for crispy product.
Crispy food is too dry.	Product left in unit past approved hold time	Make sure timer activated when fresh product is placed in unit, and discard expired product at end of hold time.
	Food overcooked before placing into hot holding unit.	Check cook times & temperatures of product during cooking cycle.
Moist food is too wet.	Not using trivet, or using wrong one.	Use amber plastic trivet in bottom of pan for moist product.
Moist food is too dry.	Not using lid on pan.	Use lid on pans of moist product.
	Lid not properly positioned or damaged.	Check that lid is resting flat on top of pan. If bent or damaged, replace with new lid to assure a good fit to help keep the moisture in.
	Product left in unit past approved hold time.	Make sure timer activated when fresh product is placed in unit, and discard expired product at end of hold time.
	Food overcooked before placing into hot holding unit.	Check cook times & temperatures of product during cooking cycle.

The diagram illustrates the DHB3PT-33 PCB layout, divided into a REAR BOARD and a FRONT BOARD. The REAR BOARD (PCB-2) features a POWER INLET, ON/OFF SWITCH, and various connectors including J16, J17, J18, J19, J20, J21, J22, J23, J24, J25, J26, J27, J28, J29, J30, J31, J32, J33, J34, J35, J36, J37, J38, J39, J40, J41, J42, J43, J44, J45, J46, J47, J48, J49, J50, J51, J52, J53, J54, J55, J56, J57, J58, J59, J60, J61, J62, J63, J64, J65, J66, J67, J68, J69, J70, J71, J72, J73, J74, J75, J76, J77, J78, J79, J80, J81, J82, J83, J84, J85, J86, J87, J88, J89, J90, J91, J92, J93, J94, J95, J96, J97, J98, J99, J100. The FRONT BOARD (PCB-1) features a POWER INLET, ON/OFF SWITCH, and various connectors including J16, J17, J18, J19, J20, J21, J22, J23, J24, J25, J26, J27, J28, J29, J30, J31, J32, J33, J34, J35, J36, J37, J38, J39, J40, J41, J42, J43, J44, J45, J46, J47, J48, J49, J50, J51, J52, J53, J54, J55, J56, J57, J58, J59, J60, J61, J62, J63, J64, J65, J66, J67, J68, J69, J70, J71, J72, J73, J74, J75, J76, J77, J78, J79, J80, J81, J82, J83, J84, J85, J86, J87, J88, J89, J90, J91, J92, J93, J94, J95, J96, J97, J98, J99, J100. The diagram also shows the location of various components such as resistors, capacitors, and integrated circuits.

Exploded View and Parts List

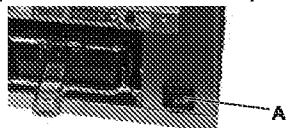
Item No.	Part No.	Description	Item No.	Part No.	Description
1	540-1105S	Heater Panel Assembly, Topper-33", 120V	9	72-200-15S	Power Cord, 120V 20A
2	540-1127S	Heater Panel Assembly, Mid-Lower-33", 120V	10	510-223S	Button Bar, 8 Ch Aux Bottom, 89-142 V2.12
3	540-1129S	Heater Panel Assembly, Mid-Upper-33", 120V	11	510-222S	Button Bar, 8 Ch Aux Top, 89-144 V2.12
4	542-473S	Trivet 1/3 Size Stainless Steel (set of 4)	12	541-1379S	PCB, Main Board 1
5	86-168-3A6	Trivet 1/3 Size Plastic Amber (set of 6)	13	541-1380S	PCB, Main Board 2
6	78-233S	Switch, Rocker, DSPT, IP65, 16A	14	88-709S	Speaker
7	510-220S	Button Bar, 8Ch Main Top 89-143 V2.12	15	155695N-12	Pan 1/3 Size Double Handle (set of 12)
8	510-221S	Button Bar, 8Ch Main Bottom, 89-141 V2.12	16	542-286S	Lid, 1 Flange (set of 2)
				541-1095S	Pan 1/3 Size Single Handle (set of 12)



Boot Loader Instructions

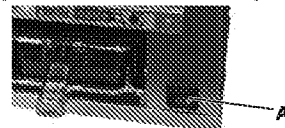
- 1** Locate the USB ports labeled "BOARD 1" and "BOARD 2" on the back/power cord side of the unit. BOARD 1 corresponds to the front lower timer bar and BOARD 2 corresponds to the front upper timer bar on the unit.

- 2** Turn the power switch to the OFF position.



- A. Insert the USB with Board 1 files into the BOARD 1 USB Port.
- B. Turn on power to the system and IMMEDIATELY press and hold the PRINCE CASTLE LOGO button, the UP button and the DOWN Arrow button on the front lower timer bar.
- C. When the message *WAIT* appears on the timer bar, stop holding the buttons.
- D. Wait for the over line dashes (---) to appear on the timer bars. If they do not appear after 1-2 minutes, repeat Step 2 from the beginning.
- E. After the over line dashes disappear from the timer bars, they may reappear 2-3 more times during the normal boot load process. If they only appear once, then the unit was already up to date.
- F. When the products appear on the timer bars, the boot load process is complete. Press the DOWN Arrow button to confirm the correct version is loaded (version 2.11 for this case). If there are auxiliary/rear timer bars, confirm that side as well.

- 3** Turn the power switch to the OFF position.



- A. Insert the USB with Board 2 files into the BOARD 2 USB Port.
- B. Turn on power to the system and IMMEDIATELY press and hold the PRINCE CASTLE LOGO button, the UP button and the DOWN Arrow button on the front upper timer bar.
- C. When the message *WAIT* appears on the timer bar, stop holding the buttons.
- D. Wait for the over line dashes (---) to appear on the timer bars. If they do not appear after 1-2 minutes, repeat Step 3 from the beginning.
- E. After the over line dashes disappear from the timer bars, they may reappear 2-3 more times during the normal boot load process. If they only appear once, then the unit was already up to date.
- F. When the products appear on the timer bars, the boot load process is complete. Press the DOWN Arrow button to confirm the correct version is loaded (version 2.11 for this case). If there are auxiliary/rear timer bars, confirm that side as well.

- 4** With the power on, confirm the default menu items are correct and the unit is heating up.