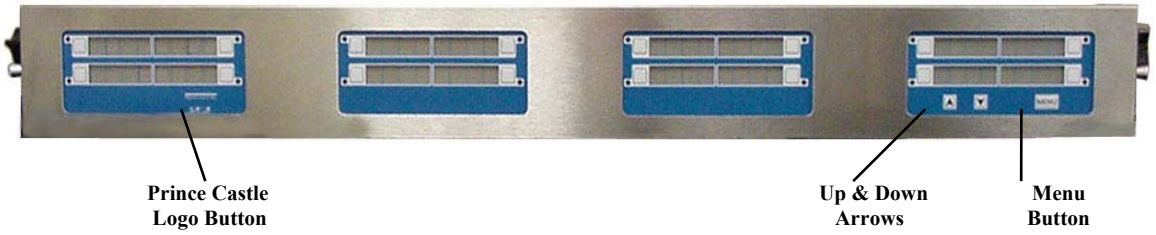
755-HM16GWB



Specifications

Model	VAC	Watt	HZ
755-HM8GWB	100-240	25	50/60
755-HM12GWB	100-240	25	50/60
755-HM16GWB	100-240	25	50/60

Warranty

This product is warranted to be free from defects in material and/or workmanship for a period of one (1) year from the date of original installation, not to exceed 18 months from the date of shipment. Any component which proves to be faulty in material and/or workmanship will be replaced or repaired (at the option of Prince Castle) without cost for parts or labor. This warranty is subject to the following exceptions/conditions:

- This equipment is portable, charges for on location service (e.g. trip charge or mileage) are not covered under the provisions of this warranty.
- Use of any non-genuine Prince Castle parts voids this warranty.
- All labor shall be performed during regular work hours. Overtime premiums will be charged to the buyer.
- 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 God is not covered under this warranty.

Operation

1

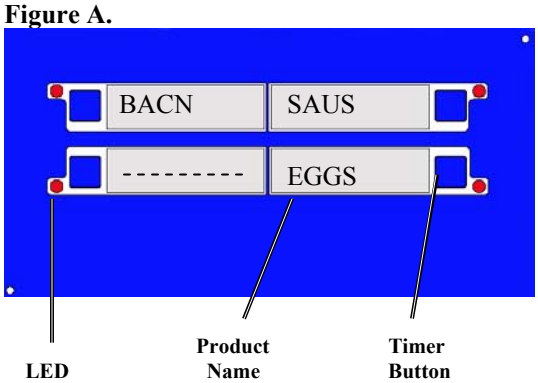
Start a timer.

a. Timers that are not currently running will have their assigned product names displayed continuously and their LEDs will glow red. See Figure A.

b. Press a timer button to start a timer. If the timer has a product assigned to it, a higher pitched “beep” will sound and the timer will begin to count down.

If the timer does not have a product assigned to it, a lower pitched “boop” will sound and the timer will not count down.

Figure A.



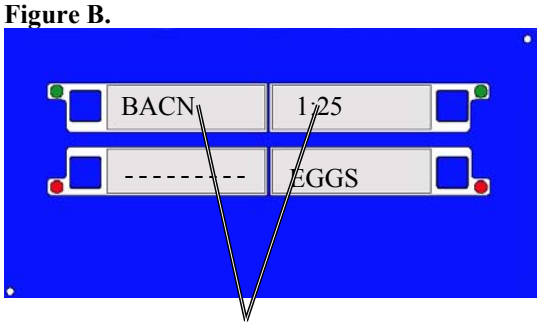
2

Every 5 seconds, the display will alternate between the product name assigned to the timer and the remaining time.
See Figure B.

The timer LED will change color to indicate the timer's progress. The display will show Duty messages and alarms.

Note: Timers that are not running will display the product name constantly and their LEDs will be red.

Figure B.



Displays of active timers alternate between Product Name and Remaining Time.

3

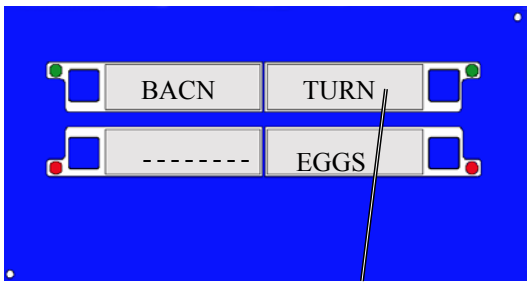
A timer's LED is green during the first cooking stage.

When a timer reaches the end of its first stage, an *Alert* alarm will sound, its LED will flash and one of the following two things will occur:

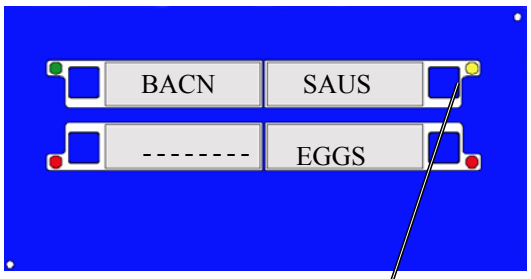
1. If there is a second stage of cooking, the timer will continue to count down while the *Alert* alarm sounds, the display will flash its Duty 1 message and its LED will flash yellow for 5 seconds. Then, the timer's display will resume and its LED will glow yellow, indicating that the timer is in its second stage. See Figure C

2. If the timer is not programmed for a second stage, its display will flash the Duty 1 message and the LED will flash red while a *Done* alarm will sound until its timer button is pushed to cancel it.

Figure C.



Duty 1 Message Flashes



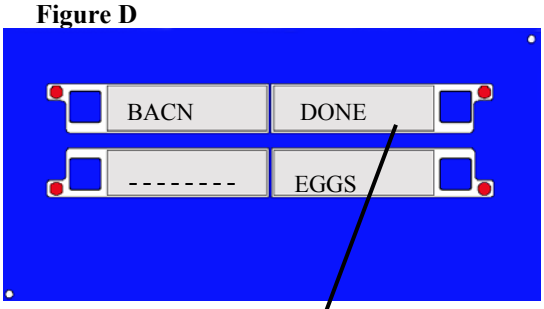
LED will turn yellow to indicate Duty 2.

4

At the end of the second stage, a Duty message will flash and its *Done* alarm will sound. The timer's LED will flash red until its timer is cancelled manually. See Figure D.

Note: To cancel a timer at any time, press and hold its timer button for 3 seconds.

Figure D



Duty Message appears and LED turns

Programming

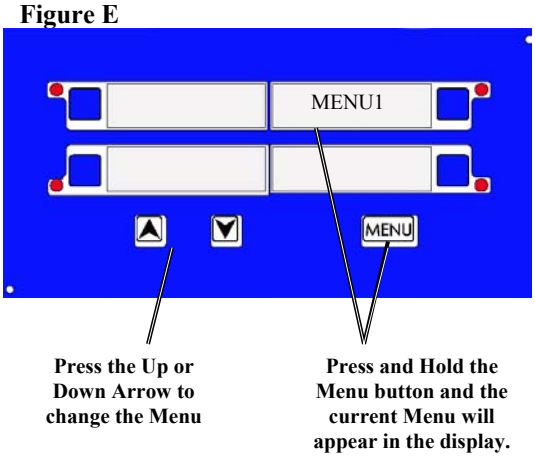
1

To change the Current Menu Number

A. Press and hold the Menu button and the press and release the Up or Down Arrow to raise or lower the Menu number.
B. The Menu Number will be displayed as long as the Menu button is pressed. Released the button to save the change. See Figure E.

Note: If any timer is already running when the Menu number is changed, it will continue to run under its original Menu number until it is canceled.

Figure E



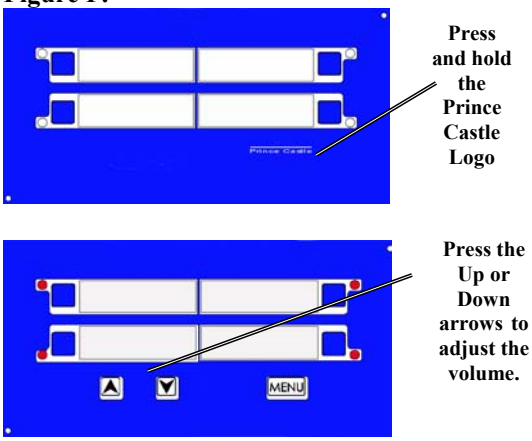
2

To adjust the Volume level

Note: The volume can be adjusted only when no timers are running.

A. Press and Hold the Logo button and press the Up or Down Arrows to adjust the volume. See Figure F.
B. Each time the Up or Down Arrows are pressed, a tone will sound to indicate the volume level and the volume level will be show on the display (1-4)
C. When finished, release all buttons. The new volume level will be saved and the display will return to the timing mode.

Figure F.



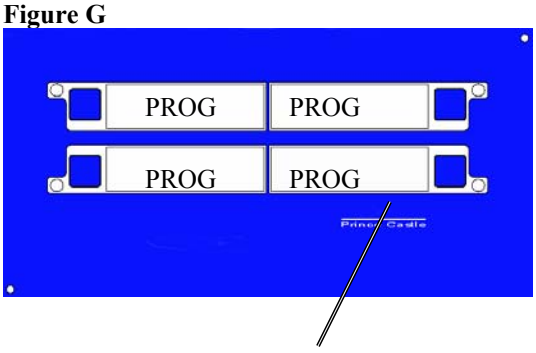
3

Timer Product Channel Assignment

Note: Products may be assigned to timers only when no timers are running.

A. Press and hold the Logo button for 6 seconds until all displays read "PROG". See Figure G.
B. Press a timer button and its currently assigned product will be displayed. The other displays will be blank. See Figure H.

Figure G



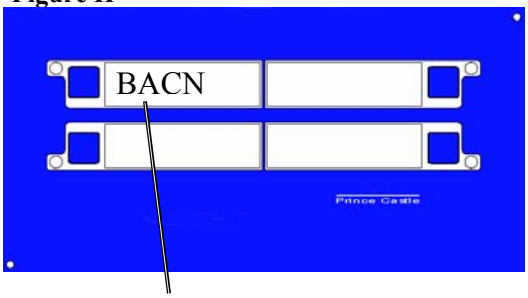
4 Timer Channel Product Assignment cont.

C. Use the Up or Down Arrows to scroll through the product selections.
D. When the desired product is displayed, press the timer button to save the name and return to the programming mode (PROG).

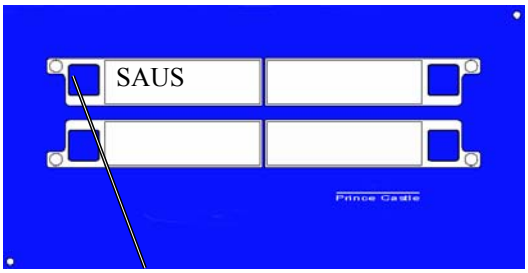
Note: All timers are independently Programmed for each menu number.

E. When the displays show PROG, the menu number may be changed (See Step 1). Each timer may have one product name assigned to it per menu number.
F. When finished, press and release the Logo button to return to the Timing Mode.

Figure H



Press a timer button to display its currently assigned product.

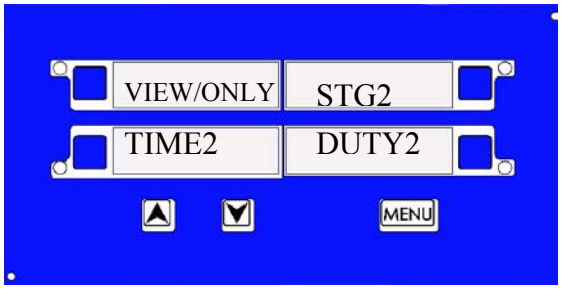


Use Up or Down Arrows to scroll through product names. Press the Timer button to save the change.

5 Product Profile View

Note: Profiles may be viewed only when no timers are running.

A. Press and hold the Logo button and immediately press and hold the Menu button. Hold both buttons for 6 seconds until the name of the first product is displayed.
B. Use the Up or Down Arrow to scroll through the list of products. See page 6 for a list or preprogrammed products.
C. When the desired product appears, press and release the Menu button to show the assigned duties and times.
D. When finished viewing the profile, press and release the Logo button to return to Timing Mode.



For the 12 and 16 channel timers, the product profiles will appear in the 8 timer displays furthest to the right on the timer. The actual product name will appear in the upper left display. The actual Duty 1 time will appear to the left of the DUTY 1 display. The actual Duty 2 time will appear to the left of the DUTY 2 display.

6 Product Profile Edit

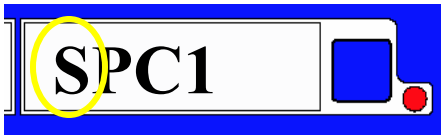
Note: Profiles may be edited only when no timers are running.

For products SPC1 through SPC5 the names, times, and duties may be changed. For all other products, the profiles may be viewed only.

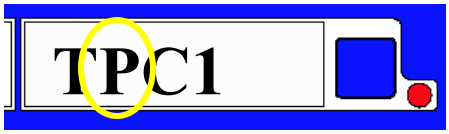
Edit a Product Name.

A. When a product from SPC1 through SPC5 is displayed, press and release the Timer button next to the display.
B. The first letter of the name will begin to blink. Use the Up or Down Arrow to scroll through the available characters. Press Menu to move to the next character.
C. Press the Timer button next to the display to save the changes and return to the profile.

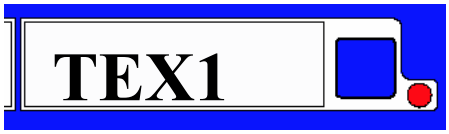
Press the Logo button at any time to exit the Edit Product Name mode without saving .changes.



When the first letter begins to blink, use the up or down arrows to change the character.



Press the Menu button to move to the next character.



When finished, press the Timer button next to the display to save the changes.

7 Product Profile Edit cont.

Edit Product Duty Time

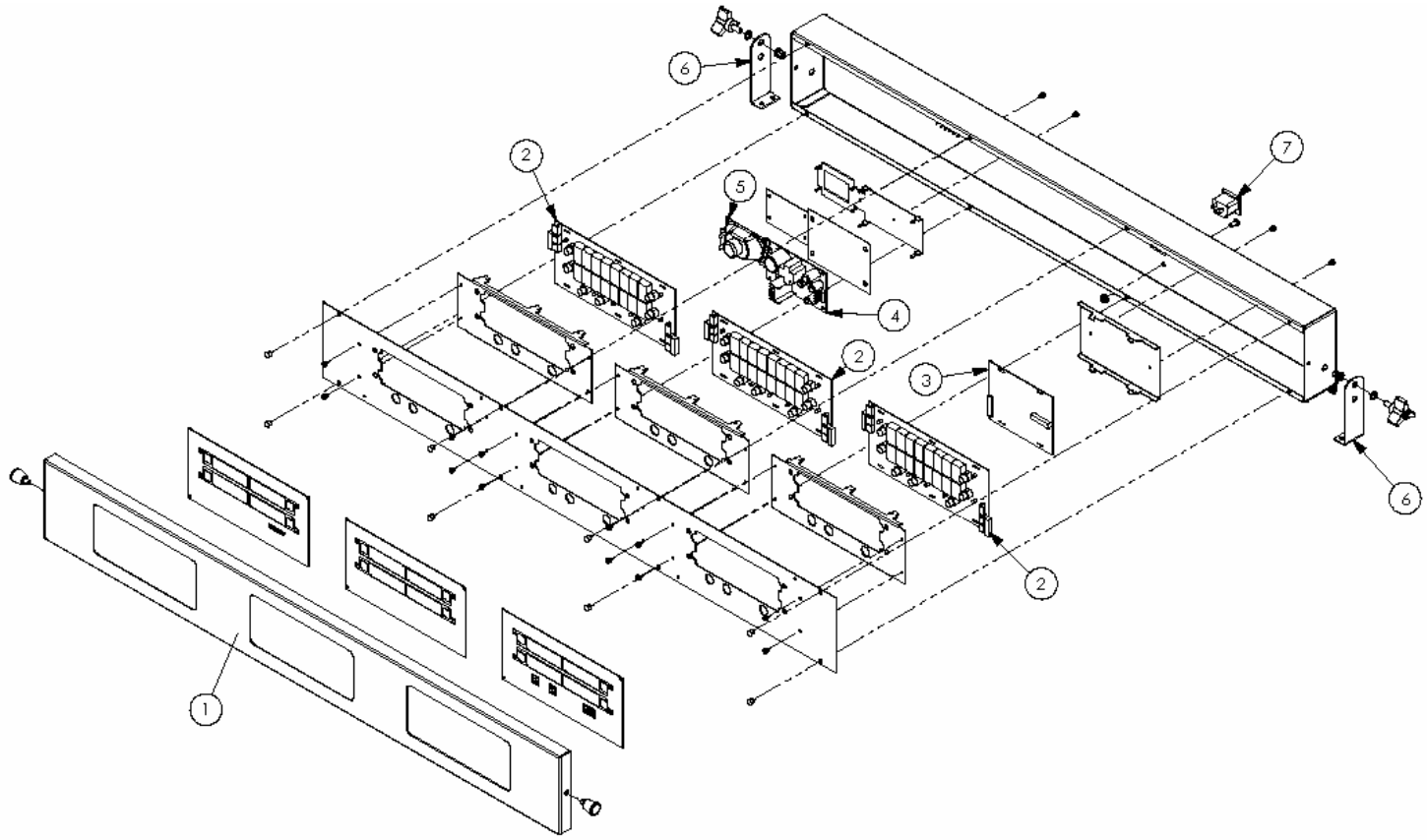
A. View the product profiles (see Step 5) until one of the changeable profiles is displayed (SPC1-SPC5)
NOTE: For products whose profiles may be viewed, but not changed, the timer display will flash "VIEW ONLY". For products whose profiles may be changed, the timer display will show the currently assigned Duty Name.
B. Press the Timer Channel button next to the desired Duty Time to change. The timer's LED will begin to blink.
C. Use the Up or Down Arrows to change the Duty Time.
D. Press and release the Timer Channel button to save the new Duty Time value.
E. Press the Logo button to return to the Timing Mode.

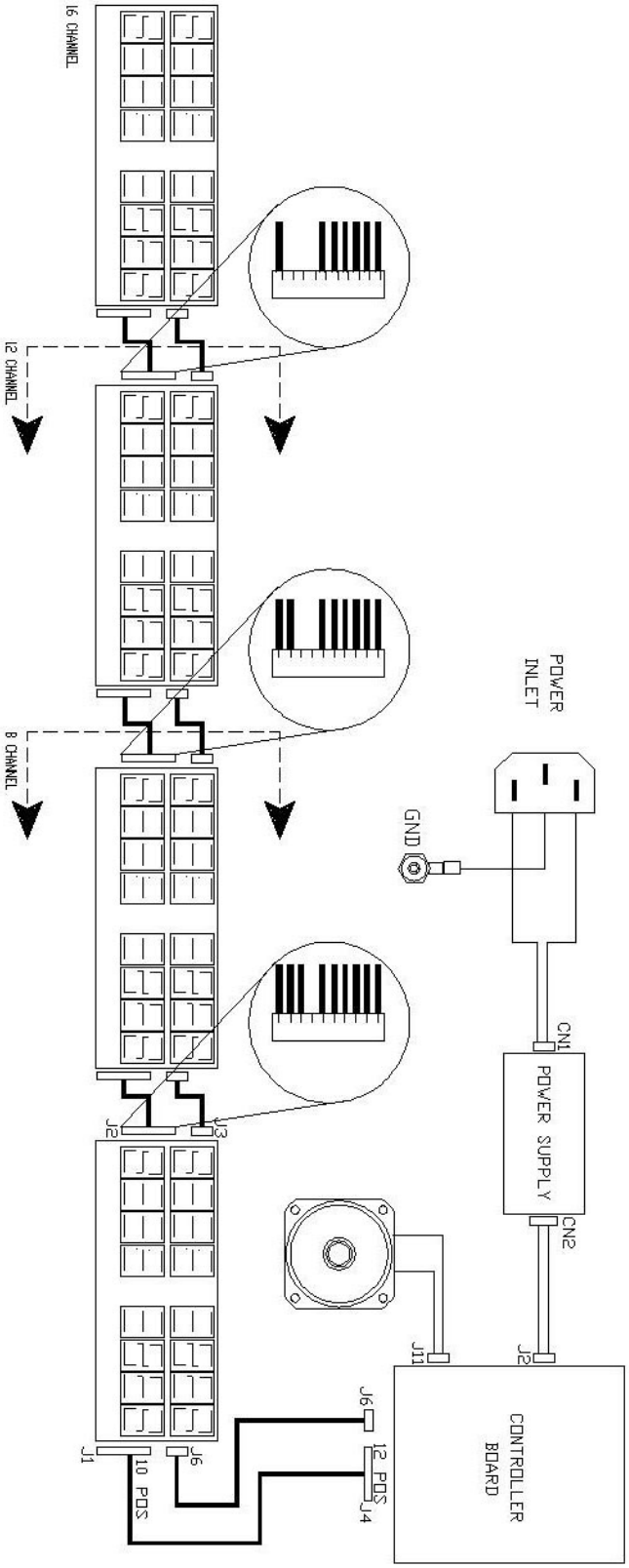
8 Product Profile Edit cont.

Edit Product Duty Name

A. View the product profiles (See Step 5) until one of the changeable profiles is displayed .
NOTE: For products whose profiles may be viewed, but not changed, the timer display will flash "VIEW ONLY". For products whose profiles may be changed, the timer display will show the currently assigned Duty Name.
B. Press the Timer Channel button next to the desired Duty Name to change. The timer's LED will start to blink.
C. Use the Up or Down Arrow to scroll through the list of Duty Names.
D. Press and release the Timer Channel button to save the new Duty Name.
E. Press the Logo button to return to the Timing Mode.

Exploded View



Ref.	Description	Part No.
1	Front Bezel, 755-HM8GWB	755-039S
	Front Bezel, 755-HM12GWB	755-037S
	Front Bezel, 755-HM16GWB	755-005S
2	Display P.C. Board	755-660S
3	Main P.C. Board	755-661S
4	Power Supply, 5V, 5A.	85-101-02S
5	Speaker Assy, 755-HM8GWB	
	and 755-HM12GWB	88-709-2-11S
	Speaker Assy, 755-HM16GWB	88-709-2-16S
6	Mounting Brackets w/Knobs	740-635S
7	Power Inlet Connector	88-591S
Not Shown	Power Cord	72-011S

Wiring Diagram