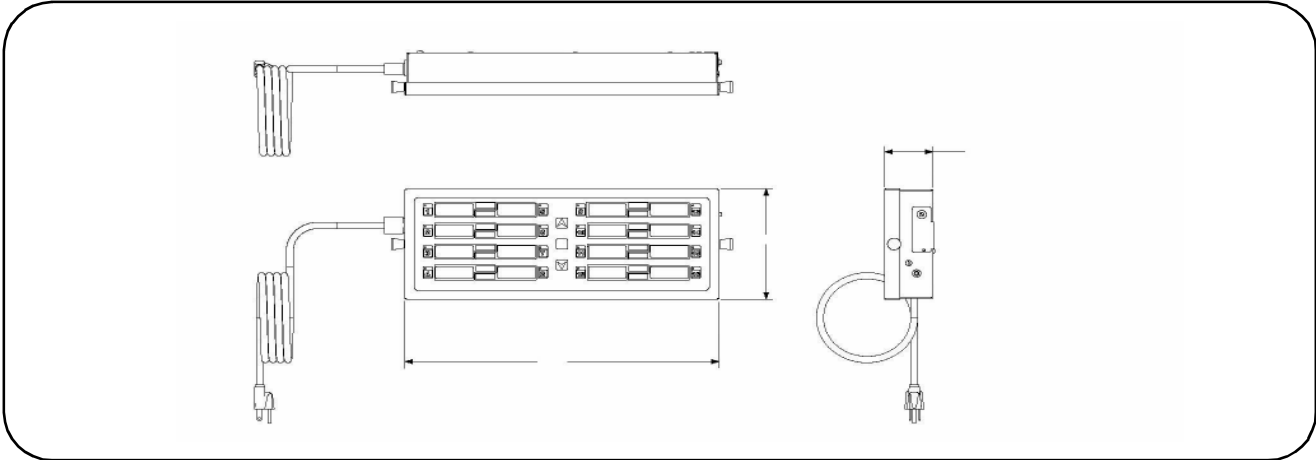


Operation Manual

Multi-Display 16-Channel Timer
755-HM16WA

Product Identification



Limited Warranty

This product is warranted to be free from defects in material and/or workmanship for a period of one (1) year from date of original installation, not to exceed 18 months from 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 Inc.) without cost to the customer for parts or labor. This equipment is portable: charges for on-location service (e.g., trip charges, mileage) are not included in the provisions of this warranty. A warranty exchange program is included in the provisions of the 755-HM16WA timer. To participate in the warranty exchange program, see page 2.

This warranty is subject to the following exceptions/conditions:

- Use of any non-genuine Prince Castle parts voids this warranty.
- All labor shall be performed during regular work hours. Overtime premium 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 God) is not covered under this warranty.
- This equipment must be serviced by a Prince Castle Authorized Agency or a Prince Castle Service Technician during the warranty period.

The power cord on this product is rated for a maximum surface temperature of 194°F (90°C). If the cord comes into contact with a heated surface at or in excess of this temperature, it may be damaged and/or cause damage to the product and/or injury to the user. Damage resulting from any such misuse may result in a voided warranty at the sole discretion of the manufacturer.

Table of Contents

Product Identification 1

Specifications 2

Warranty Exchange Program 2

Safety Information 2

Installation 2

Operation 3

Auto Re-Start 3

Cleaning 3

Programming 4

 Assigning a Product To a Timer Channel 4

 Changing Product Settings 5

 Changing or Adding New Products 6

 Setting the Volume Level 7

 Changing Dayparts 8

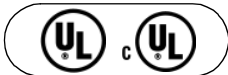
 Restoring Factory Pre-Sets 8

Timer Presets 9

Product Library Table 10

Wiring Diagram 11

Exploded View 12



PRINCE CASTLE INC. 
WORLDWIDE

355 East Kehoe Blvd. • Carol Stream, IL 60188 USA
Telephone: 630-462-8800 • Toll Free: 1-800-PCASTLE
Fax: 630-462-11460 • www.princecastle.com

Multi-Display 16-Channel Timer

755-HM16WA

Specifications

	Voltage	Watts	Hertz
755-HM16WA	120VAC	25	50/60

Warranty Exchange Program

To receive an exchange under warranty, contact TWC Services at 1-770-438-9797. Provide the model and serial number from the nameplate located on the back of the timer.

TWC Services will send a replacement timer at no cost to the Wendy's location. After Wendy's receives the replacement 755 timer, the store should insert the timer into the carton and send it to:

TWC Services
5080 Highlands Parkway
Suite A150
Smyrna, GA 30082

If the defective timer is not returned to TWC within 14 days, the store will be invoiced for a new timer.

The timer is covered under the Warranty Exchange Program for any component that proves to be faulty in material or workmanship. All other warranty exceptions/conditions apply to the Warranty Exchange Program. Refer to "Limited Warranty" on page 1 for more information.

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.

Installation

- A. 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 the 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 (37.8°C).



CAUTION

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

- B. Plug the power cord into an applicable electrical receptacle.

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.

Multi-Display 16-Channel Timer

755-HM16WA

Operation

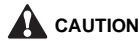
Each of the sixteen channels of the timer operate in an identical manner.

- 1 Press a channel button to activate a timing cycle. The LED indicator turns green and a short beep sounds. As the time counts down, the display alternates between the product name, current duty function (i.e. BAKE), and the remaining time. (All channels can be activated and running at the same time.)

NOTE: If the time is programmed in hours and minutes (H:M), the color in the middle of the 4 digits will flash. If the time is programmed in minutes and seconds (M:S), the color in the middle of the 4 digits will be on continuously.

Each product has the option of dividing its cooking cycle into 1 to 4 sections called "duty cycles." See the default "Product Library Table" on page 10 for more information.

NOTE: To cancel any timing cycle, press the channel button three times in quick succession.



CAUTION

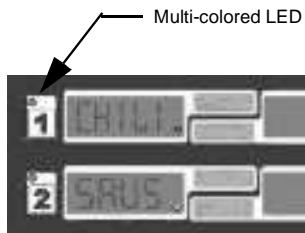
Press the button with your finger only. NEVER use any object to activate the channel buttons. Such misuse may damage the unit, voiding the warranty.

- 2 The time value counts down from the programmed value to 0:00. When this duty cycle is finished, the display flashes the end of duty cycle action that is to be performed (i.e. TURN), and the alarm sounds.

- 3 Press the channel button once to cancel the alarm and to start timing the next duty cycle.

If this was the last duty cycle of the complete cooking cycle, the channel returns to an idle state or automatically begin another cooking cycle (see "Auto Re-Start").

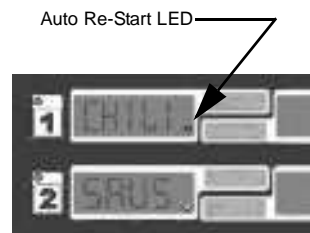
NOTE: Each channel has a multi-colored LED located just above the channel number. This LED shows the status of the timing cycle. The LED remains off until a channel has been activated. Once a channel is activated, the LED turns green until the timing cycle is complete. After the cycle is complete, the LED flashes red.



Auto Re-Start

Any product set up for Auto Re-Start has a small red LED in the lower right corner of the display. See the default "Product Library Table" on page 10 for the complete list of products with the Auto Re-Start feature.

When the channel button is pressed to cancel the end-of-cycle alarm for the last duty cycle, the channel will not return to an idle state. Instead, it automatically re-starts the entire cooking cycle.



Cleaning

Using ONLY a clean damp cloth, wipe the face and other surfaces of the 755-HM16WA timer unit, as necessary. If desired, a mild soap may also be used.

NEVER use chemicals and/or degreasers of any kind! Long-term use of certain chemicals has a negative effect on the surface of the timer, making it brittle and easily damaged.

Multi-Display 16-Channel Timer

755-HM16WA

Programming



This instruction explains how to program the various functions of the timer.

NOTE: All timing channels must be idle to enter the programming mode.

Assigning a Product To a Timer Channel

- 1 To enter this programming mode, press and hold the PRINCE CASTLE LOGO button for 6 seconds. A beep sounds and all of the displays show *PROG*.



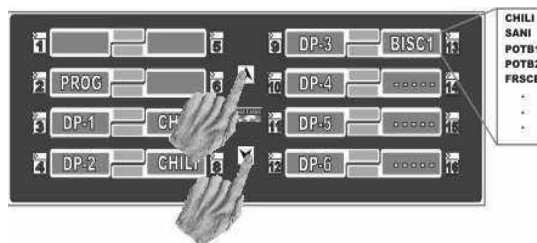
- 2 Press and release the button of the timing channel you want to change. The currently assigned product for each Daypart of this channel displays.



- 3 To select a new product for any of the Dayparts of this channel, press and release the button next to the product you want to change. The LED next to the button flashes **YELLOW**, indicating the product is ready to be changed.



- 4 Press the UP or DOWN Arrow button to scroll through the list of available products (see the "Product Library Table" on page 10). *NOTE: The display ---- indicates that no product is assigned to that Daypart.*



Multi-Display 16-Channel Timer 755-HM16WA

- 5** When the desired product displays, press and release the button next to that product to save the new selection.



- 6** Repeat steps 3-5 for each Daypart that you want to change.

- 7** When all product assignments have been completed for this timing channel, press and release the PRINCE CASTLE LOGO button to select another timing channel.

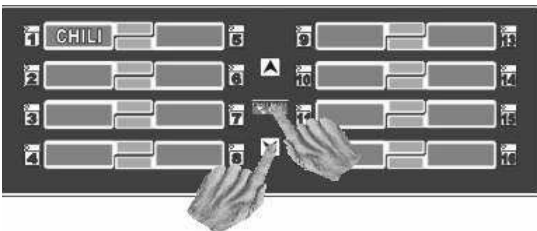


- 8** When all changes have been completed, press and release the PRINCE CASTLE LOGO button again to return to the normal timing mode.

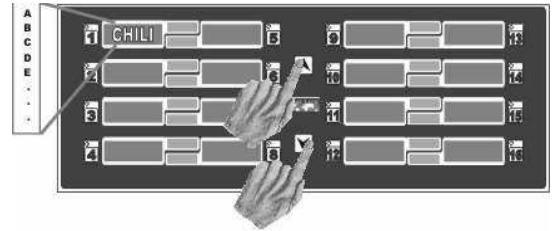


Changing Product Settings

- 1** To enter this programming mode, press and hold the PRINCE CASTLE LOGO and DOWN buttons for 6 seconds. A beep sounds and the first product in the product library shows in Channel 1's display.

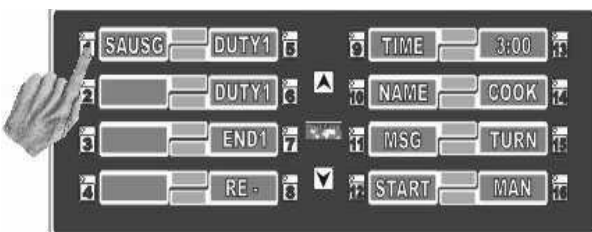


- 2** Press the UP or DOWN ARROW button to scroll through the list of available products until the product you want to change displays.



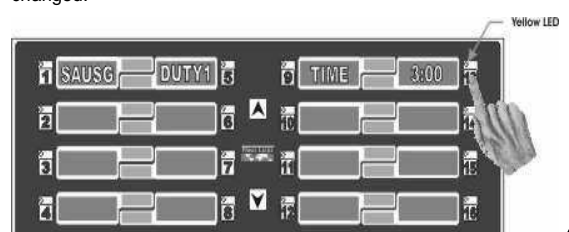
- 3** Select the product by pressing the CHANNEL 1 button. The first duty cycle functions (timing value, name, end action, etc.) for this product display.

NOTE: Use the UP and DOWN ARROW buttons to select the different duty cycles (1-4).



- 4** Press and release the button next to the function you want to change: Channel 13 (time), Channel 14 (name), Channel 15 (message), and Channel 16 (manual or auto cancel).

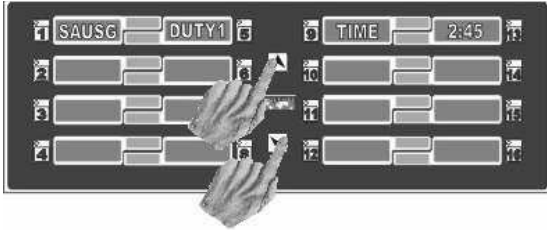
All of the other functions go blank and the LED next to the selected function blinks YELLOW, indicating that it is ready to be changed.



Multi-Display 16-Channel Timer 755-HM16WA

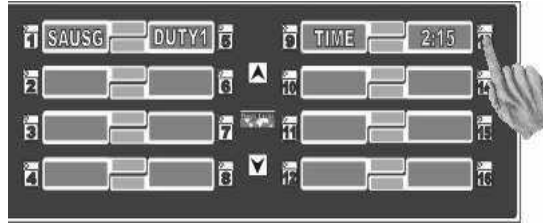
- 5** Press the UP or DOWN ARROW button to change the function's setting (duty time is shown).

NOTE: The value automatically increments if the UP ARROW is continuously pressed or decrements if the DOWN ARROW is continuously pressed.



- 6** When the desired value shows, press and release the button next to this function to save the new selection.

The LED stops flashing. After a short delay, all of the other functions re-appear.



- 7** Repeat steps 4-6 to change any other functions for this duty cycle. Then, use the UP and DOWN ARROW buttons to select another duty cycle and repeat steps 4-6.



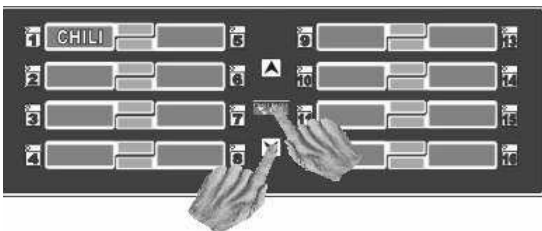
- 8** If changes for this product are complete, press and release the PRINCE CASTLE LOGO button.

Repeat steps 2-7 if you want to change the functions for any other product.



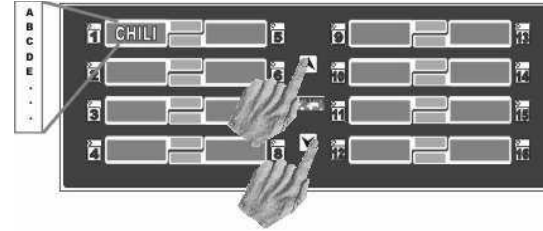
Changing or Adding New Products

- 1** To enter this programming mode, press and hold the PRINCE CASTLE LOGO and DOWN buttons for 6 seconds. A beep sounds and the first product in the product library shows in Channel 1's display.

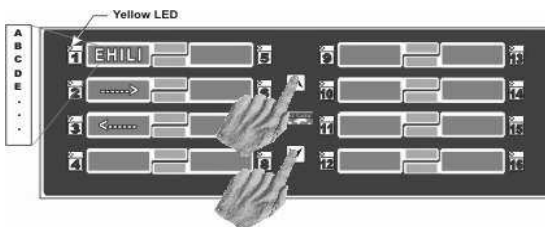


- 2** If any of the product names displayed need to be changed, use the UP or DOWN ARROW button to scroll through the products. Press and release the CHANNEL 1 button two times.

The Channel 1 LED blinks YELLOW and the first character in the name blinks to indicate that it is ready to be changed.

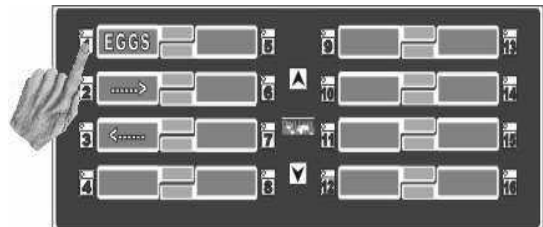


- 3** Press the UP or DOWN ARROW button to scroll through the character set until the desired character displays. Press the CHANNEL 2 button to move right, or the CHANNEL 3 button to move left, to the next character in the name you want to change.



- 4** When all characters in the name are correct, press and release the #1 button.

Go to "Product Settings" if any setting is to be changed. If all product changes are complete, press and release the PRINCE CASTLE LOGO button again to return the unit to an idle state.



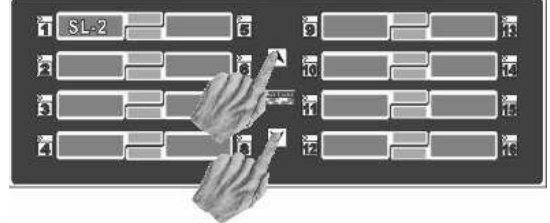
Multi-Display 16-Channel Timer 755-HM16WA

Setting the Volume Level

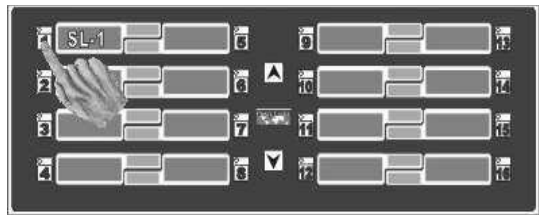
- 1** To change the timer's volume level, press and hold the DOWN ARROW button for 6 seconds. A beep sounds and the Channel 1 display shows the current setting (*SL-1*, *SL-2*, *SL-3*).



- 2** Use the UP and DOWN ARROW buttons to scroll through the different sound levels. During the transition from one sound to another, a tone sounds at the new sound level. The tone stays on as long as the ARROW button remains pressed.



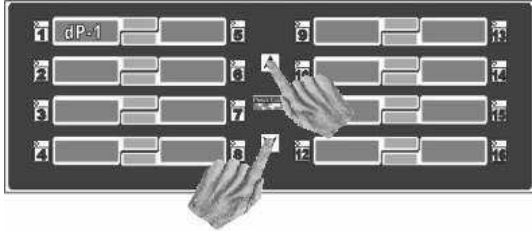
- 3** To save the new sound level, press and release the CHANNEL 1 button.



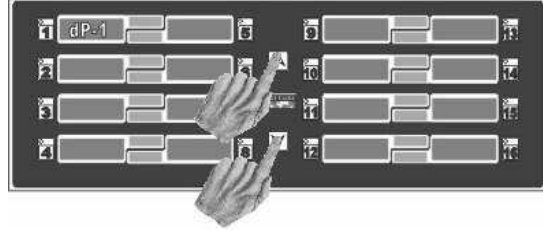
Multi-Display 16-Channel Timer 755-HM16WA

Changing Dayparts

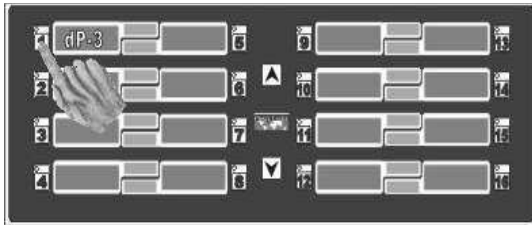
- 1 To change the active Daypart, press and hold the UP and DOWN ARROW buttons for 6 seconds. A beep sounds and the Channel 1 display shows the current setting (DP-1, DP-2, DP-3, DP-4).
NOTE: At this time, only dP-1 and dP-2 are utilized.



- 2 Press the UP or DOWN ARROW button to scroll through the different available Dayparts.

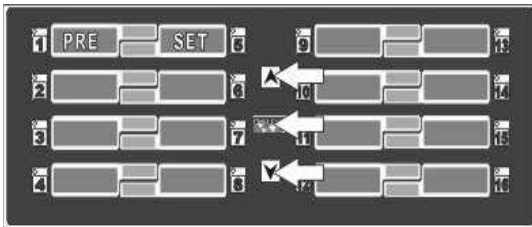


- 3 To activate the new Daypart, press and release the CHANNEL 1 button. After a short delay, the unit returns to the idle state.



Restoring Factory Pre-Sets

Simultaneously press the UP, DOWN, and PRINCE CASTLE LOGO buttons during the first 6 seconds after applying power to the timer. The display will show PRE SET. The timer will return to the idle state after resting the presets.



Multi-Display 16-Channel Timer 755-HM16WA

Timer Presets

1 Breakfast

1	CHILI	SANI	5	9	CNROL	CNROL	13
2	POTB1	POTB2	6	10	FRSCU	FRSCU	14
3	EBACN	CRSPY	7	11	BISC1	BISC2	15
4	GRCH1	SAUSG	8	12	MPLFR	MPLFR	16

2 Lunch

1	CHILI	SANI	5	9	BOIL	FISH	13
2	POTL1	POTL2	6	10	ONION	WASH	14
3	EBACN	CRSPY	7	11	---	---	15
4	GRCH1	GRCH2	8	12	---	---	16

3

1	---	---	5	9	---	---	13
2	---	---	6	10	---	---	14
3	---	---	7	11	---	---	15
4	---	---	8	12	---	---	16

4

1	---	---	5	9	---	---	13
2	---	---	6	10	---	---	14
3	---	---	7	11	---	---	15
4	---	---	8	12	---	---	16

5

1	---	---	5	9	---	---	13
2	---	---	6	10	---	---	14
3	---	---	7	11	---	---	15
4	---	---	8	12	---	---	16

6

1	---	---	5	9	---	---	13
2	---	---	6	10	---	---	14
3	---	---	7	11	---	---	15
4	---	---	8	12	---	---	16

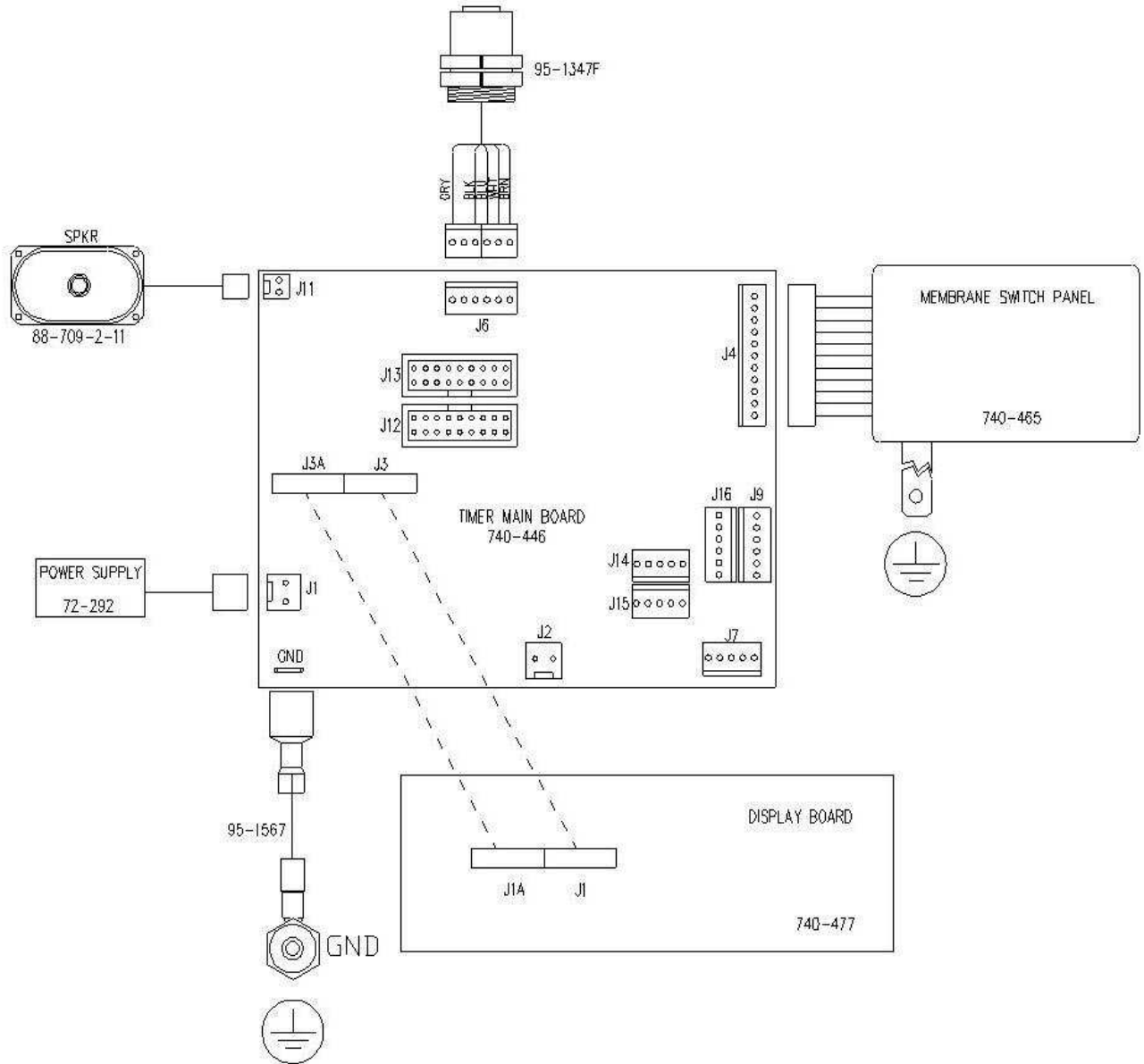
Multi-Display 16-Channel Timer 755-HM16WA

Product Library Table

Product Name	Display	Duty1			Duty2			Duty3			Duty4			Auto Restart
		Time (min)	Duty Message	End Message	Time (min)	Duty Message	End Message	Time (min)	Duty Message	End Message	Time (min)	Duty Message	End Message	
0 UNUSED	-	0	-	-	0	-	-	0	-	-	0	-	-	No
1 CHILI	CHLI	15	COOK	STIR	0	-	-	0	-	-	0	-	-	Yes
2 SANTIZER PAN	SAN	60	-	DONE	0	-	-	0	-	-	0	-	-	Yes
3 BAKESTBAKEDPOTATO1	POT1B	90	BAKE	DONE	0	-	-	0	-	-	0	-	-	Yes
4 BAKESTBAKEDPOTATO2	POT1B2	90	BAKE	DONE	0	-	-	0	-	-	0	-	-	Yes
5 FRESCATABREAKFAST	FRS0B	0	-	-	0	-	-	0	-	-	0	-	-	No
6 FRESCATALLUNCH	FRS0L	0	-	-	0	-	-	0	-	-	0	-	-	No
7 CRISPY CHICKEN	CRSPY	45	COOK	DONE	0	-	-	0	-	-	0	-	-	No
8 GRILLEDCHICKEN1	GRCHI	6	COOK	TURN	5	COOK	DONE	0	-	-	0	-	-	No
9 GRILLEDCHICKEN2	GRCHI2	6	COOK	TURN	5	COOK	DONE	0	-	-	0	-	-	No
10 LUNC-BAKEDPOTATO1	POT1L1	60	BAKE	DONE	0	-	-	0	-	-	0	-	-	Yes
11 LUNC-BAKEDPOTATO2	POT1L2	60	BAKE	DONE	0	-	-	0	-	-	0	-	-	Yes
12 FRESQUITBUTTERMILK	FRS0J	13	BAKE	REMOV	5	COOL	DONE	0	-	-	0	-	-	No
13 CINNAMONROLL	CNRCL	19	BAKE	REMOV	5	COOL	DONE	0	-	-	0	-	-	No
14 BSCUIT1	BSC1	19	BAKE	REMOV	5	COOL	DONE	0	-	-	0	-	-	No
15 BSCUIT2	BSC2	19	BAKE	REMOV	5	COOL	DONE	0	-	-	0	-	-	No
16 SAUSAGE	SAUSG	3	COOK	TURN	2	COOK	DONE	0	-	-	0	-	-	No
17 SAUTEEDONION	ONION	11	BAKE	DONE	0	-	-	0	-	-	0	-	-	No
18 FISHFILET	FISH	45	COOK	DONE	0	-	-	0	-	-	0	-	-	No
19 MAPLEFRESQUIT	MLFR	13	BAKE	REMOV	5	COOL	DONE	0	-	-	0	-	-	No
20 EMERGENCYBAOON	EBAON	5	COOK	DONE	0	-	-	0	-	-	0	-	-	No
21 BOILCHILI MEAT	BOIL	10	MEAT	DONE	0	-	-	0	-	-	0	-	-	No
22 WASH	WASH	15	SINK	ROTAT	0	-	-	0	-	-	0	-	-	Yes
23 FROMDA	FRMDA	0	-	-	0	-	-	0	-	-	0	-	-	No
24 FROMOB	FRMOB	0	-	-	0	-	-	0	-	-	0	-	-	No
25 FROMOC	FRMOC	0	-	-	0	-	-	0	-	-	0	-	-	No
26 FROMOD	FRMOD	0	-	-	0	-	-	0	-	-	0	-	-	No
27 FROMOE	FRMOE	0	-	-	0	-	-	0	-	-	0	-	-	No
28 FROMOF	FRMOF	0	-	-	0	-	-	0	-	-	0	-	-	No
29 FROMOG	FRMOG	0	-	-	0	-	-	0	-	-	0	-	-	No
30 FROMOH	FRMOH	0	-	-	0	-	-	0	-	-	0	-	-	No
31 FROMOI	FRMOI	0	-	-	0	-	-	0	-	-	0	-	-	No
32 FROMOJ	FRMOJ	0	-	-	0	-	-	0	-	-	0	-	-	No
33 FROMOK	FRMOK	0	-	-	0	-	-	0	-	-	0	-	-	No
34 FROMOL	FRMOL	0	-	-	0	-	-	0	-	-	0	-	-	No
36 FROMOM	FRMOM	0	-	-	0	-	-	0	-	-	0	-	-	No

Multi-Display 16-Channel Timer 755-HM16WA

Wiring Diagram



Multi-Display 16-Channel Timer 755-HM16WA

Exploded View

