









Frymaster, a member of the Commercial Food Equipment Service Association, recommends using CFESA Certified Technicians.

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24-Hour Service Hotline 1-800-551-8633 March 12 *8196945A*

NOTICE TO OWNERS OF UNITS EQUIPPED WITH CONTROLLERS

U.S.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference, and 2) This device must accept any interference received, including interference that may cause undesired operation. While this device is a verified Class A device, it has been shown to meet the Class B limits.

CANADA

This digital apparatus does not exceed the Class A or B limits for radio noise emissions as set out by the ICES-003 standard of the Canadian Department of Communications.

Cet appareil numerique n'emet pas de bruits radioelectriques depassany les limites de classe A et B prescrites dans la norme NMB-003 edictee par le Ministre des Communcations du Canada.



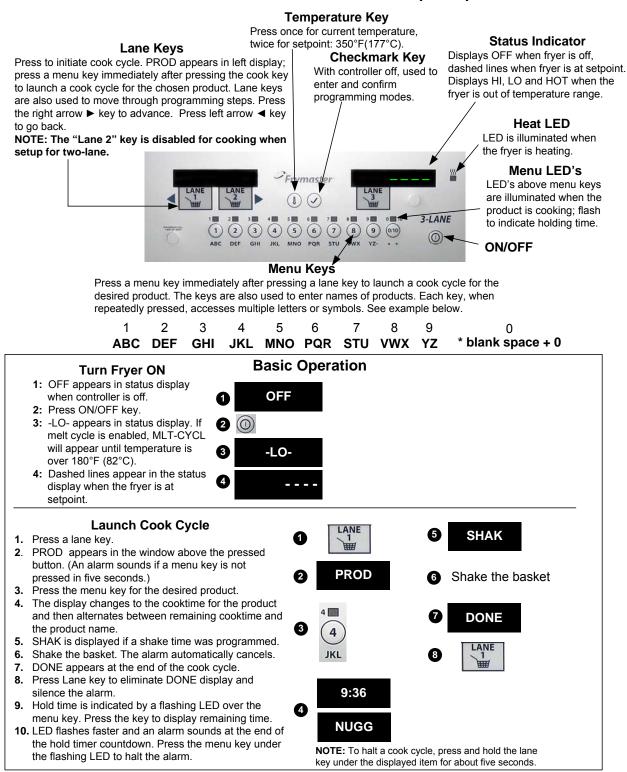
GM2000 Lane Controller

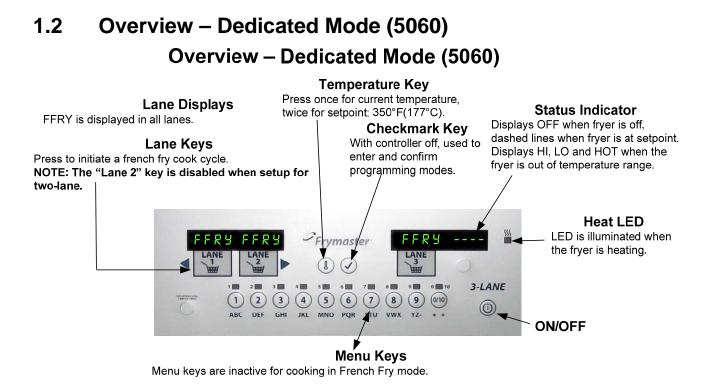
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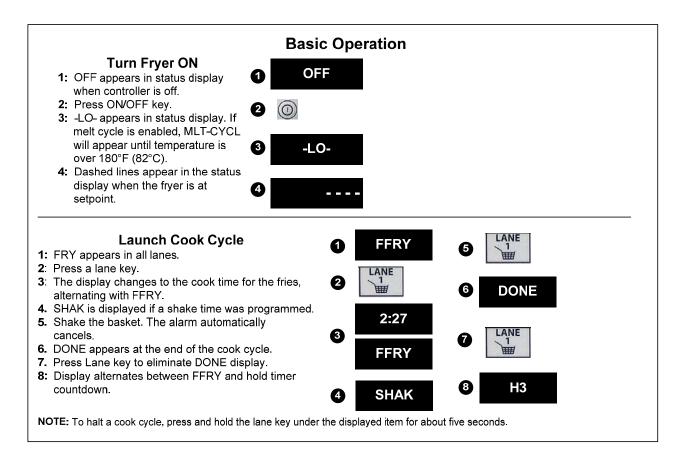
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1.1 Overview – Multi-Product Mode (5050)

Overview – Multi-Product Mode (5050)







2.1 Programming New Menu Items in Multi Product Mode

Follow these steps to enter a new product in the controller. The actions to be taken are in the right column; the controller displays are shown in the left and middle columns.

Left Display	Right Display	Action
	OFF	Press ✓
CODE		Enter 5050 with numbered keys.
	OFF	Press ✓
CODE		Enter 1650 with numbered keys. Press the right arrow ► key to advance. Press left arrow ◄ key to go back.
FRNCHFRY	YES	Press the right arrow ► key to advance to desired product. Press left arrow ◄ key to go back.
Product to be changed or open position	Number and Yes	Press 🌡 .
Product name with cursor flashing under first character.	Edit	Enter first letter of new product with numbered key. Press until desired letter appears. Press the right arrow ▶ key to advance cursor. Repeat until eight- letter or less name of product is entered. Eliminate characters with 0 key.
New product name	Edit	Press 1.
Position number or version of previous name.	Edit	Enter four-letter abbreviated name, which will alternate with the cook time display during cook cycles.
Abbreviated name	Edit	Press 1.
Full name		Press ✓.
SHAK(E) 1	A :30	Press 1 to toggle between M (manually cancelling alarm) and A (automatically cancelling alarm). Enter time in the cook cycle to shake the basket with the numbered keys.
SHAK(E) 1	Your settings	Press ✓.
SHAK(E) 2	A :00	Press 1 to toggle between M and A. Enter the time in the cook cycle to shake the basket a second time.
SHAK(E) 2	Your settings	Press ✓.
COOKTIME	M 2:45	Enter cook time in minutes and seconds with numbered keys. Press 1 to toggle between auto and manually cancelling alarm.
COOKTIME	Your settings	Press ✓.
HOLDTIME	M :30	Enter time product can be held after cooking. Press to toggle between auto and manually cancelling alarm.
HOLDTIME	Your Settings	Press ✓.
SENS	5	Sens allows the fryer controller to adjust cooking times slightly, ensuring small and large loads cook identically. Setting the number to 0 allows no time adjustment; a setting of 9 produces the most time adjustment. Enter setting with numbered key.
SENS	Your setting	Press ✓.
New Product		If a key assignment is needed: press a menu key. Note: This eliminates any previous link associated with the chosen key. Key not needed: skip to next step
New Product	YES Key Number	Repeat steps starting at the top to enter additional products.
New Product	YES Key Number OFF	Press igodoldoldoldoldoldoldoldoldoldoldoldoldol

2.2 Assigning Products to Menu Keys

Left Display	Right Display	Action
	OFF	Press ✓.
CODE		Enter 1650 with numbered keys.
Menu items	YES	Press the right arrow ► key to advance through menu
		items.
Desired menu item	YES	Choose and press menu key to associate with product.
		Note: This eliminates any previous link associated with the
		chosen key.
Product name	Number YES	Press $^{igodold 0}$ (power key).

2.3 Changing Menu Items in Dedicated Mode

Follow these steps to change a product in the computer. The actions to be taken are in the right column; the computer displays are shown in the left and middle columns.

Left Display	Right Display	Action	
	OFF	Press ✓	
CODE		Enter 5060 with numbered keys.	
	OFF	Press ✓	
CODE		Enter 1650 with numbered keys. Press the right arrow ► key to advance. Press left arrow ◄ key to go back.	
FFRY	YES	Press 1.	
Product name with cursor flashing under first character.	Edit	Enter first letter of new product with numbered key. Press until desired letter appears. Press the right arrow ▶ key to advance cursor. Repeat until eight-letter or less name of product is entered. Eliminate characters with 0 key.	
Product name	Edit	Press 🌡 .	
Previous abbreviated name.	Edit	Enter four-letter abbreviated name, which will alternate with the cook time display during cook cycles.	
Abbreviated name	Edit	Press 🌡 .	
Full name	YES	Press ✓.	
SHAK(E) 1	A :30	Press 1 to toggle between M (manually cancelling alarm) and A (automatically cancelling alarm). Enter time in the cook cycle to shake the basket with the numbered keys.	
SHAK(E) 1	Your settings	Press ✓.	
SHAK(E) 2	Your settings	Press ✓.	
SHAK(E) 2	A :00	Press 1 to toggle between M and A. Enter the time in the cook cycle to shake the basket a second time.	
COOKTIME	M 2:45	Enter cook time in minutes and seconds with numbered keys. Press 1 to toggle between auto and manually cancelling alarm.	
COOKTIME	Your settings	Press ✓.	
HOLDTIME	M :00	Enter time product can be held after cooking. Press 1 to toggle between auto and manually cancelling alarm.	
HOLDTIME	Your Settings	Press ✓.	

2.3 Changing Menu Items in Dedicated Mode cont.

Left Display	Right Display	Action
SENS	5	Sens allows the fryer controller to adjust cooking times slightly, ensuring small and large loads cook identically. Setting the number to 0 allows no time adjustment; a setting of 9 produces the most time adjustment. Enter setting with numbered keys.
SENS	Your setting	Press ✓.
FFRY	YES	Press $$ (power key) to save changes and exit.
	OFF	

2.4 Default Menu

This is the default domestic USA menu that is programmed into the controller. The international menu is programmed without times.

Product Item # Library & Default Button #	Menu Item	8 Character Max Name	4 Character Name	Cook Temp (programmed in computer set-up)	Cook Time	Sensitivity Setting	Shake Time	Hold Time
1	French Fries	FRNCHFRY	FFRY	350° F/177° C	2:45	5	30 sec	0
2	French Fries	FRNCHFRY	FFRY	350° F/177° C	2:45	5	30 sec	0
3	French Fries	FRNCHFRY	FFRY	350° F/177° C	2:45	5	30 sec	0
4	Chicken Nuggets	CHICNUGG	NUGG	350° F/177° C	2.15	6	30 sec	0
5	Poppers	POPPERS	POPR	350° F/177° C	3.00	4	30 sec	0
6	Chicken Patty	CHICPATY	PATY	350° F/177° C	3.00	4	30 sec	0
7	Shrimp	SHRIMP	SRMP	350° F/177° C	3:15	3	30 sec	0
8	Onion Rings	ONINRING	ORNG	350° F/177° C	3:00	4	30 sec	0
9	Chicken Tenders	CHICTNDR	TNDR	350° F/177° C	6:00	6	30 sec	0
10	Fish 3-1/2 oz fillet	FISH	FISH	350° F/177° C	3.25	7	30sec	0
11 (Ded)	French Fries	FRNCHFRY	FFRY	350° F/177° C	2:45	5	30 sec	0

Button #	Menu Item
1	FFRY
2	FFRY
3	FFRY
4	NUGG
5	POPR
6	PATY
7	SRMP
8	ORNG
9	TNDR
0/10	FISH

3.1 Controller Setup

Left Display	Right Display	Action	
	OFF	Press ✓.	
CODE		1656 with numbered keys.	
6 A S	YES	Press 1 to toggle between YES and NO. Leave at NO for electric fryer.	
6 R S	YES or NO	With desired answer in place press \checkmark .	
2 BRSKET	NO	Press 1 to toggle between YES and NO. Leave at NO for three baskets.	
2 BRSKET	YES or NO	With desired answer in place, press \checkmark .	
SET-TEMP	NOND 350	Enter cooking temperature for non-dedicated items with the numbered keys; 350°F(177°C) is the default setting.	
SET-TEMP	Entered temperature.	Press ✓.	
SET- TEMP	DED 350	Enter cooking temperature for dedicated items with the numbered keys; 350°F(177°C) is the default setting.	
SET-TEMP	Entered temperature.	Press ✓.	
	OFF	None. Setup is complete.	

Follow these steps to prepare the controller for placement on a fryer:

3.2 Controller Codes

Left Display	Right Display	Action
	OFF	Press 🗸
CODE		Enter 1650: Add or edit menus 1656: Setup, change energy source 3322: Reload factory default settings 5000: Displays total cook cycles 5005: Clears total cook cycles 5050: Sets unit to multi-product 5060: Sets unit to dedicated product 1652: Recovery 1752: Enable/Disable Boil Out 1658: Change from F° to C° 1655: Language Choice/Sound Level 1753: Enable/Disable Melt Cycle (Once enabled, pressing "0" during melt will bypass melt cycle.)

4.1 Error Messages and Display Problems

Problem	Probable Causes	Corrective Action
GM2000 display is in wrong temperature scale (Fahrenheit or Celsius).	Incorrect display option programmed.	GM2000 controllers may be programmed to display in either Fahrenheit or Celsius. Refer to page 3-1 for instructions on changing the display.
GM2000 display shows ⊢∣∣.	Fryer is 15°F (8°C) above setpoint.	This display will appear only if the fryer is in the <i>non-dedicated</i> mode and the frypot temperature rises 16°F (9°C) or more above the programmed setpoint. This indicates a problem with the temperature control circuitry. Turn the fryer off and call FAS (Factory Authorized Servicer).
GM2000 display shows ⊣⊖⊤.	Frypot temperature is more than 410°F (210°C) or, in CE countries, 395°F (202°C).	This in an indication of a malfunction in the temperature control circuitry, including a failure of the high-limit thermostat. Shut the fryer down immediately and call FAS.
GM2000 display shows _∟○	Frypot temperature is between 180°F (82°C) and 315°F (157°C).	This display is normal when the fryer is first turned on and may appear for a short while if a large batch of frozen product is added to the frypot. If the display never goes out, the fryer is not heating. Shut the fryer down and call FAS.
GM2000 display shows PROBEA. Problem with the temperature measuring circuitry including the probe.FAILURE.B. Damaged controller wiring harness or connector.		This indicates a problem within the temperature measuring circuitry that is beyond the scope of operator troubleshooting. Shut the fryer down and call FAS.

Problem	Probable Causes	Corrective Action
		A. Press the ON/OFF switch off, verify that all drain valves are completely closed, then press the ON/OFF switch on.
GM2000 display shows IGNITION FAILURE. Heating indicator is on, but fryer is not heating.	A. Open drain valveB. Failed controller, failed interface board, open high-limit thermostat.	 B. This indicates that the fryer is not heating. It is displayed if the fryer loses its ability to heat oil. It is also displayed when the oil temperature is above 450°F (232°C) and the high-limit thermostat has opened, halting the heating of the oil. If this does not correct the problem, call your FAS.
GM2000 display shows G N T O N F R L U R E and alarm sounds, but fryer operates normally (false alarm).	Failed controller.	Call FAS.
Controller will not go into program mode or some buttons do not actuate.	Failed controller.	Call FAS.
Heat indicator off upon initial startup. Display shows H or H O T with alarm sounding.	Failed controller.	Call FAS.





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