Operating Guide

(FASTRON.) ®

MERIDIAN Series
Freestanding Cooking Computers
MEC-110 (10 Product Keys)
MEC-118 (18 Product Keys)

Meridian. ™

Uniquely *Global*
Flexible *Innovation*
Constant *Support*
Rewarding *Results*

(FAST.) ®

the time is right.

(i)

(FAST.) is not liable for any use of product not in accordance with (FAST.)'s installation and operating instructions.

Before using this equipment, or for any questions on the operation of the appliance, consult and follow all instructions and safety warnings found in the appliance operator's manual supplied from the manufacturer of the appliance.

Not all features are available on some models.

COOKING COMPUTER OPERATING ENVIRONMENT

The solid state components in this timer are designed to operate reliably in a temperature range up to 158°F/70°C. Before installing this timer, it should be verified that the ambient temperature at the mounting location does not exceed 158°F/70°C.

CLEANING THE COOKING COMPUTER

Using a clean damp cloth, wipe down your computer daily using a commercial quality foodservice-approved detergent.

Do not allow oil to build up on any part of the computer.

⚠ **NEVER use chemical or abrasive cleaners on your computer. The computer's overlay may be damaged.**

Tools Required

– Straight Screwdriver
– Power Drill
– #29 High-Speed Drill Bit
– 10/32 Tap
– Center Punch
– Hammer

1. Turn appliance power OFF.
2. Choose your mounting location.
3. Attach 2 mounting brackets to the Meridian Cooking Computer using the 2 wing nuts provided. Be sure to put 1 star washer on each side of the mounting bracket.
4. Hold the computer against your mounting surface.
4. Mark 4 mounting holes.
5. Drill and tap the mounting holes.
6. Secure the Meridian Cooking Computer to the mounting surface using the 4 screws provided.

Programming Codes

Product Programming   1 7 2 4
System Programming   3 2 2 8

Computer Features
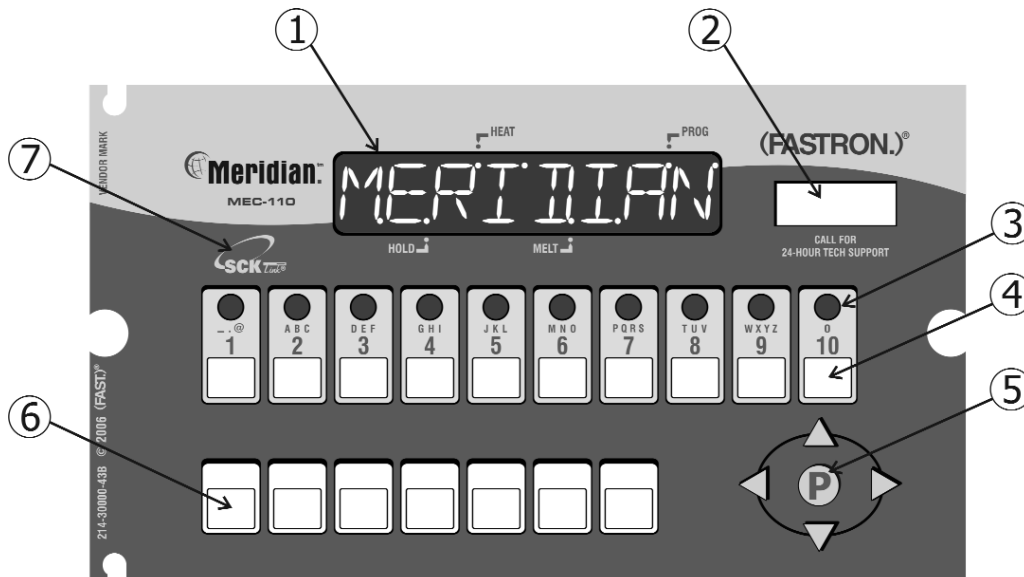
1	LARGE LED DISPLAY: 8-character, 14-segment. Displays programming and cook cycle information.
2	SERVICE WINDOW: Locate the computer's serial number and tech support phone number easily.
3	INDICATOR LIGHTS: lit when there's an active cook cycle and in programming mode.
4	PRODUCT KEYS: Press to start a cook cycle. Also used in programming. REPLACEABLE MENU STRIP: Make menu changes quickly and easily.
5	PROGRAMMING CENTER: (FAST.Nav)™—Easy mobile phone-like programming with predictive text. Access programming mode and change cooking parameters.
6	FEATURE KEYS: Used to access programming functions and computer features; keys will vary by model.
7	SCK® LINK: Signifies that your control is communications-capable.

Features Explained

Programmable Action Alarms
Up to three action alarms can be programmed for each product key. An action alarm alerts the operator to perform some action at a pre-programmed time.

Fahrenheit or Celsius Temperature Display
The computer can be configured to display the temperature in degrees Fahrenheit or Celsius (accessible through System Programming mode).

Programmable (FAST.Flex)™ Timing Mode
To insure consistent, high-quality food product, **flex time** will adjust the actual cook time taking into consideration the temperature variation due to load size, initial product temperature, product moisture content, and other factors affecting the cycle.

Programmable Hold Time Linking
Each product key can be linked to an independent hold timer, or multiple product keys can be linked to a single hold timer.

Programmable Hold Times
Product key hold times can be programmed to track product quality through a specified holding period. The computer will sound an alarm when the product's hold time has expired alerting the operator to discard the product.

Automatic Least Hold Display
Product with the least amount of hold time remaining will be shown in the display. Pressing and holding the HOLD key allows you to view each active product's remaining hold time.

Programmable Operating Mode
The computer can be programmed to operate as either a computer or timer.

Operating the Computer

Start a Cook Cycle
Press any product key to start a cook cycle. If the key is programmed, the correct cooking time will be displayed and will immediately start to count down in minutes and seconds. *DONE* will display when the cook cycle has ended.

If *DONE* is displayed immediately and the unit starts to signal, the product key being pressed is not programmed.

Stop a Cook Cycle
Press and hold an active product key for 3 seconds. Timing will stop.

Respond to a DONE Alarm
Cancel the signal by pressing the same product key used to start the cook cycle.

Action Alarms
If the computer is programmed for action alarms, they will signal at a preset time during the cooking cycle. The signal, a dual-rhythm beeping, will last 5 seconds and then self-cancel. The display will flash the action alarm time and the computer will start counting toward *0:00*.
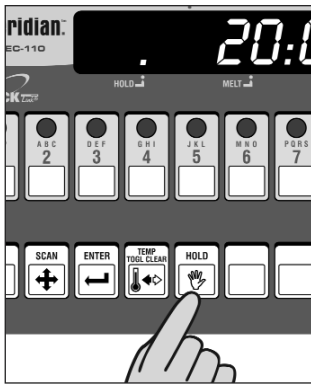
Holding Timers

When there are active hold times, the HOLD indicator light will be lit.

To **View All Active Hold Times**, press and hold the HOLD key. Upon expiration, the computer will display *HOLD* and pulse with an audible tone. Acknowledge time by pressing the HOLD key.

To **Cancel a Hold**, press the TOGGLE/CLEAR key, followed by the HOLD key, then the key you want to cancel.

Display Descriptions

Display	Description
LOW	Computer is in Operating Mode. Actual vat temperature is more than 10 degrees below the programmed vat temperature.
- - - - - - - - READY	Computer is in Operating Mode. Actual vat temperature is within the proper cooking temperature range. The vat is ready to start a cook cycle.
HI	Computer is in Operating Mode. The actual vat temperature is more than 40 degrees above the highest programmed vat temperature. A continuous audible alarm will sound.
PROBE	Computer's probe is either open or shorted. Display will be accompanied with an audible alarm if shorted. Check or replace the probe.
2:30	Computer is in Operating Mode and a cook cycle is in progress.
DONE	Computer is in Operating Mode and a cook cycle has been completed.
CODE	Computer is waiting for a pass code to be entered.
PRODUCT	Computer is in Product Key Programming Standby mode.
TIME 1	Stage cooking time is displayed.
TEMP 1	Stage cooking temperature is displayed.
ALMTIME1	Action alarm status is displayed.
SYSTEM	Computer is in System Programming Standby Mode.
TEMPUNIT	Computer is in Fahrenheit or Celsius Programming Mode.

Product Key Programming

ⓘ 18 button computers have two displays that show a full line of information; for example:
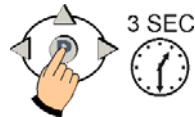
`TIME        2:00`

10 button computers have a single, dual-purpose display that will alternate information; for example:

`TIME`   then   `2:00`

RECIPE 1724 STORE EMPLOYEE

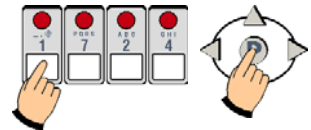**ENTER PROGRAMMING MODE.**
Press and hold the P key for 3 seconds.

`PROGRAM`
Press the P key.

`CODE`
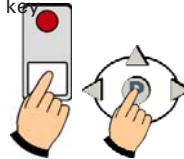Type in 1 7 2 4 using the product keys. Press the P key.

`RECIPE`
Press the P key. All product key LEDs will light up.

ⓘ **Some computers may have different options listed.**

`PRODUCT`
PROGRAM A PRODUCT KEY. Press the product key you want to program. Press the P key.

Depending on model, you can either press the P key to change all programmable settings or you can scroll using the arrow keys to any of the specific options.

`ALL`
Press the P key.

`NAME`
`XXXXXXX`
SET PRODUCT DISPLAY NAME. NAME will be displayed then the actual product name. Use the up and down arrow keys to scroll through the library. Press the P key to lock in your choice.
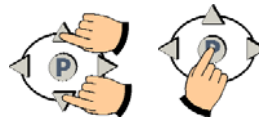
`TIME 1`
`XX:XX`
SET COOK TIME. Actual set time will be displayed. To change, press toggle clear to change the time to zero. Type in a new time using the product keys. Press the P key.
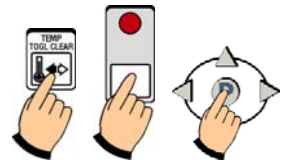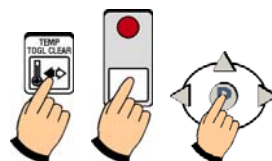
ⓘ **Some models have up to 3 action alarms.**

`ALMTIME1`
`XX:XX`
SET ACTION ALARM.
Actual alarm time 1 will be displayed. To change, press toggle clear to change the time to zero. Type in a new time using the product keys. Press the P key.

`ALMNAME1`
`XXXXXXX`
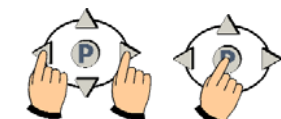**SET ACTION ALARM NAME.** ALMNAME1 will be displayed, then the actual action alarm name. Use the up and down arrow keys to scroll through the library. Press the P key to either go to next action alarm name, or continue through programming.
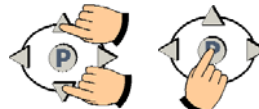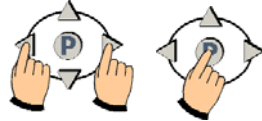
`ALMCNCL1`
`AUTO`
`MANUAL`
SET ALARM CANCEL.
Use the left and right arrow keys to change from AUTO or MANUAL cancel. Then press the P key.
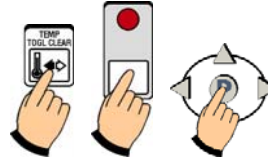
`ALMTONE1`
`XXXXX`

SET ALARM TONE. Use the left or right arrow keys to choose NONE, SHORT, MEDIUM, LONG, DOUBLE or LONG SHT as the alarm tone. Then press the P key.

`HOLDTIME`
`XX:XX`

SET HOLD TIME. Actual hold time will be displayed. To change, press toggle clear to change the time to zero. Type in a new time using the product keys. Press the P key.
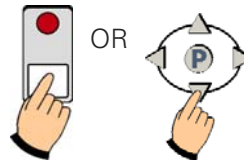
`ALL`

Press the up arrow key.

`EXIT`

Press the P key.

`PRODUCT`

Either press another product key to program and repeat the programming instructions, or continue by pressing the down arrow key.

OR

`SET TEMP`

Press the P key.

`SET TEMP`
`XXXF`

SET TEMP, then Actual Temp will be displayed. To change, use the number keys and then press the P key.
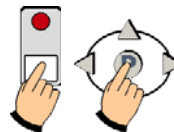
To Exit, press the down arrow key.

NOTE: If you have a two-probe unit, the display will show SETTEMPL (Left) and then SETTEMPR (Right). You will have the option to change the temperature on both sides.

`EXIT`

Press the P key.

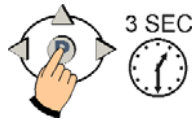`RECIPE`

Press the up arrow key.

`EXIT`

Press the P key.

You are now out of programming mode and ready to use your Meridian Computer.

System Programming

**SYSTEM 3228
STORE MANAGER**

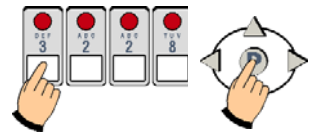**ENTER SYSTEM PROGRAMMING MODE.**
Press and hold the P key for 3 seconds.

3 SEC

`PROGRAM`

Press the P key.

`CODE`

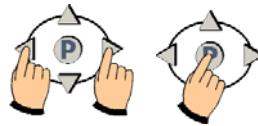Type in 3 2 2 8 using the product keys. Press the P key.

`SYSTEM`

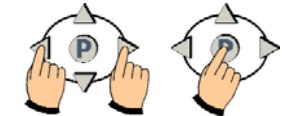Press the P key.

`CTRTYPE`
`TEMPCTRL`
`TIMECTRL`

SET CONTROL TYPE. Use the left and/or right arrow keys to choose Temperature or Time Control. Press the P key.

`TONEVOL`

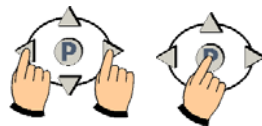**SET TONE VOLUME.** Use the left and/or right arrow keys to choose 1, 2, 3, 4 or NONE. Press the P key.
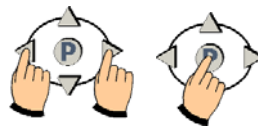
ⓘ **Not all models have this feature.**

`TEMPUNIT`
`F`
`C`

SET TEMPERATURE SCALE. Use the left and/or right arrow keys to choose Fahrenheit (F) or Celsius (C). Press the P key.
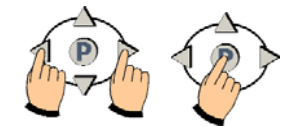
`COOKUNIT`
`MM:SS`
`HH:MM`

SET TIME UNIT. Use the left and/or right arrow keys to choose Minutes/Seconds or Hours/Minutes. Press the P key.

`HOLDUNIT`
`MM:SS`
`HH:MM`

SET HOLD UNIT. Use the left and/or right arrow keys to choose Minutes/Seconds or Hours/Minutes. Press the P key.

`SYSTEM`

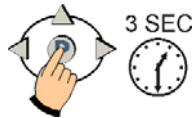**EXIT SYSTEM PROGRAMMING MODE.**
Press the up arrow key.

`EXIT`

Press the P key.

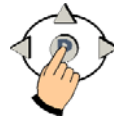**Programming Custom Product and Action Alarm Names to the Library**

SYSTEM 3228 STORE MANAGER

ENTER LIBRARY PROGRAMMING MODE. Press and hold the P key for 3 seconds.
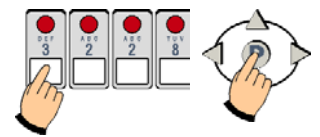
3 SEC

`PROGRAM`

Press the P key.

`CODE`

Type in 3 2 2 8 using the product keys. Press the P key.

`SYSTEM`

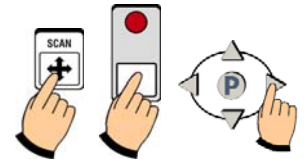Press the down arrow key to select either PRODLIBR OR ALRMLIBR.

`PRODLIBR`
`ALRMLIBR`

Choose either PRODLIBR (Product Library) or ALRMLIBR (Action Alarm Library) by pressing the P key.

`-`

A flashing dash will be displayed. Press the SCAN key and use the product keys to spell a new word. Press the right arrow key to advance to the next character position.

`AB`

Continue spelling the word. When done, press the P key.

`ADD`

TO SAVE WORD, press P again. Skip to Exit Library Programming.

TO CANCEL OR MODIFY, see next step.

`ADD`
`CANCEL`
`MODIFY`

TO CANCEL OR MODIFY WORD, press the left or right arrow keys to select CANCEL or MODIFY.

IF YOU CHOOSE CANCEL:

`CANCEL`

Press the P key to EXIT and cancel the word.

- -

IF YOU CHOOSE MODIFY:

`MODIFY`

Press the SCAN key to go back and modify the word.

`PRODLIBR`
`ALRMLIBR`

EXIT LIBRARY PROGRAMMING. Press the up or down arrow keys until display reads EXIT.

`EXIT`

Press the P key.

Helpful Info

Troubleshooting

PROBLEM	CAUSE	SOLUTION
No Power	Circuit breaker OFF	Check and reset.
	Appliance not plugged in	Plug in cord.
	Defective 24VAC transformer	Replace transformer. Replace computer.
No Sound	Inoperable speaker	Replace computer.
Button Problem	Frozen key	Unplug computer. Hold down the TOGGLE/CLEAR key as you plug computer back in.
	Inoperable key	Replace computer.
PROBE is Displayed	Defective temperature probe	Replace temperature probe
	Probe not plugged in	Plug in probe.
Reading Wrong Temperature	Defective temperature probe	Replace temperature probe.
Not Heating	Defective element, relay, contactor or gas valve	Replace defective part.
	Defective computer	Replace computer.

Parts & Accessories

DESCRIPTION	FAST PART NUMBER
Sheet Metal Bezel (Black)	214-50291
Sheet Metal Bezel (Stainless Steel)	214-50593
Slotted Round Head Screw, Black, 1/4-20 x 3/4"	150-10202
Slotted Round Head Screw, Stainless Steel, 1/4-20 x 3/4"	150-10188R
Mounting Kit	213-50432-01

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Want to learn more about FAST products?

Visit our Web site:

www.fastinc.com

Customer Service and Technical Assistance
Our customer service department is available for orders and questions Monday through Friday between the hours of 8 AM and 5 PM EST. Call us toll-free at **1-800-FASTRON** (800-327-8766) if you're in the US, Canada or the Caribbean, or at 203-378-6860 if you're outside of these areas.

Toll-free technical assistance is available 24 hours a day, 365 days a year by calling **1-800-243-9271** (from the U.S., Canada and the Caribbean) when help is needed immediately.

You can also send an instant email message to a FAST technician, Monday through Friday, 8am-5pm EST, by going to www.fastinc.com, selecting the 'Support' link at the top of the page, and clicking on 'Contact Tech Support.'

Free Program for Service Exchanges
FAST provides an Exchange Program, at no extra cost, if a unit should fail. In the event of failure, you have the option of (1) receiving a replacement product from our factory, freight prepaid; (2) exchanging the failed product for a replacement product at one of our authorized local service centers; or (3) selecting on-site repair or replacement of the failed unit by one of our authorized local service centers.

To take advantage of this program, simply call our toll-free customer service number, 1-800-243-9271. If you elect to receive an exchange unit from the factory, a replacement unit will be sent immediately. Upon receipt of the replacement unit, simply return the failed unit to the factory, freight prepaid, using the same carton and packing material in which the replacement unit was shipped. The unit will be replaced free of charge, if still under warranty, and if the product shows no evidence of abuse or alteration. If the unit is not under warranty, you will pay repair charges and shipping costs to and from the factory. If you should elect on-site repair and the unit is under warranty, you will not be required to pay the costs of reasonable on-site labor, but will be required to pay the service agency's travel charges to and from the on-site location.

Any minor adjustment or calibration and any labor costs for the replacement of probes will be made at your expense.

The FAST Exchange Program is available to any FAST Domestic Customer whose account is current, and applies to all FAST Timers, Computers and Controllers.

COMMERCIAL COOKING APPLIANCES ALSO CLASSIFIED BY ETL IN ACCORDANCE WITH NSF STANDARD NO. NSF 169. DESIGN EVALUATED BY ETL IN ACCORDANCE WITH ANSI/AGA Z21.23 AND CAN/CGA 1-6.6-M78.

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