


Computron 8000 Controls – Technical Quick Reference

Pressure Fryers: PFE/500/561/591 PFG 600/691 Open Fryers: OFE291 OFG 391
(Software Version N)



Info Button

INFO Press & release to toggle between options. Hold in to continue viewing. Press to  lock display

1. View actual temperature
2. View set-point temperature
3. View Filter Stats:
Mixed - % used; Global – no. remaining;
Scheduled – Filter at 0:00
4. Number of filters today
5. Avg. number of filters per day
6. Quit cook early today
7. Quit cook early past week
8. View oil life display (If enabled in SP-17 and/or SP-18)
9. View current date and time



Info Mode

Press and release at same time to enter mode.

1. E-Log View last 10 errors logged
2. Last Load
 - STARTED
 - PRODUCT
 - READY?
 - *DONE* + X SECS or Quit at X:XX
 - ACTUAL TIME
 - PROG TIME
 - ACT/PROG
 - MAX TEMP
 - MIN TEMP
 - AVG. TEMP
 - HEAT ON
3. Daily Stats (Select day with left timer button)
 - DAY* DATE
 - DAY* ON HOURS
 - DAY* FILTERED
 - DAY* TOTAL COOKS
 - DAY* QUIT COOKS
 - DAY* COOKED (BTNS 1-10)
4. Review Usage
 - SINCE (DATE)
 - PWR ON HRS
 - FILTERED
 - TOTAL COOKS
 - QUIT COOKS
 - OIL WEAR A
 - OIL WEAR B
 - COOKED (BTNS 1-10)
 - RESET USAGE (CODE 123)
5. Inputs A_VHDSFPM
Refer to Level 2 Tech Mode T-12 Inputs
6. Outputs H*P_ or F* H*P_ or F* I* H*P_
Refer to Level 2 Tech Mode T-13 Outputs
7. Oil Temperature
8. CPU Temperature
9. Analog Input Channels
10. AMPS current through each supply leg to heat elements



Exit Melt Mode

Press & hold any product button for 4 seconds



Idle Mode

Press to manually enter idle mode. (SP-7 enabled)

Clean Out mode

While in Melt Mode press & hold for about 2 seconds to enter Clean Out mode. Timer button also starts Clean Out Mode (SP-10 must be > 0 minutes)



Level 1 Programming

Press & hold for about 2 seconds – Code 123

- Modify product settings
 - PRODUCT NAME
 - PRELOAD
 - 1 COOK TIME
 - 1 TEMP
 - 1 PRESSURE
 - 2 STEP 2 AT (Set up to 10 TIME/TEMP/PRESS steps)
 - ALARM – 1 (Set up to 4 TIME/SHAKE/STIR/ADD/LID alarms)
 - QUALITY TIMER
 - LOAD COMP
 - L COMP REF
 - GO TO IDLE WHEN DONE
 - FILTER MODE (Set from Special Programming)
 - 2. Mixed: FILTER AFTER
 - 3. Global: FILTER INCL YES/NO
- Copy, Erase, Preset Product buttons
(Press DWN button on “Select Product “ step)
 - *1. COPY A PRODUCT
 - *2. ERASE A PRODUCT
 - *3. PRESET A PRODUCT
 - *4. ERASE ALL
 - *5. PRESET ALL



Level 2 Programming

Press & hold for about 5 seconds. (For codes see next page)

- **SPCL PROG**-Program degrees F/C, Language, Audio settings, Filter tracking and other items
- **CLOCK SET**-Set the time-of-day clock / calendar
- **DATA COMM**-Data Communications, MMC, etc.
- **HEAT CTRL**-Program heat algorithm control parameters
- **TECH MODE**-Control of outputs, display & button tests
- **STATS MODE**-Review, reset operating stats, diagnostic logs, etc

See next two pages for a breakdown of Level 2 programming.

A. Special Programming (Code 123)

- SP-1** Temperature Units F/C
- SP-2** Language
- SP-3** System Initialization. Resets controls but does not erase product settings.
- SP-4** Audio volume
- SP-5** Audio tone
- SP-6** Liquid or Solid shortening
- SP-7** Idle Mode YES/NO
 - 7A** Idle set point
 - 7B** Auto idle minutes
 - 7C** Go to idle after melt mode
- SP-8** Filter Tracking
 - 1. Off
 - 2. Mixed **8A** Suggest filter at %
 - 8B** Lockout Enabled
 - 8C** Filter Lockout at %
 - 8D** Lockout Heat Oil Temp
 - 3. Global **8A** Global Filter Cycles
 - 8B** Lockout Enabled
 - 8C** Lockout Heat Oil Temp
 - 4. Sched **8A** Schedule F1 0:00
 - 8B** Schedule F2 0:00
 - 8C** Schedule F3 0:00
 - 8D** Schedule F4 0:00
 - 8E** Skip if less than...
 - 8F** Lockout Enabled
 - 8G** Lockout Heat Oil Temp
- SP-9** Product Buttons
 - 1. COOK: Prod btn selects and starts cook cycle
 - 2. SELECT: Prod bth selects, then press timer to start
- SP-10** Clean out minutes
- SP-11** Clean out temp. Max 195F/91C
- SP-12** Nominal Amps Reading. Rated amps
- SP-13** Amps Reading – Low limit. Preset at 80%
- SP-14** Amps Reading – High limit. Preset at 115%
- SP-15** Program code change (To change 123 password)
- SP-16** Review Usage code change (Info Mode)
- SP-17** Change Shortening-A–Cook Cycles
- SP-18** Change Shortening-B-Hours
(To clear “CHANGE OIL SOON” Reset Review Usage in Info Mode)

B. Clock Set (Code 123)

- CS-1 to 5 Set Month/Date/Year/Hour/Minute
- CS-6 Set Clock Mode AM/PM or 24HR
- CS-7 Daylight Saving Adj 1. Off. 2. US. 3. Euro
- CS-8 Begin New Day (When to reset Daily Stats)

D. Data Comm For internal Henny Penny use only

E. Heat Control For Henny Penny internal use only

F. Tech Mode (Code 11221122)

- T-1** • Software
- T-2** • Fryer Type (Gas or Elec. Auto detects)
- T-3** • Push Button Test
- T-4** • All On Display Test
- T-5** • Display Segment Test
- T-6** • Display Digits Test
- T-7** • Display Decimal Point Test
- T-8** • LED’s Test
- T-9** • Temp. Probe Calibr./Offset/Highest
- T-10** • CPU Control Temp. Calibr./Offset/Highest
- T-11** • View A - D Channel
- T-12** • Digital Inputs (Press DWN to view status)
 - AB_VHDSFPM (500/600)
 - ABC_VHDSFPM.PM (291/391/591/691)
 - A=Power switch in COOK position
 - B=Power switch in PUMP position
 - C=Pressure solenoid detect (291/391/591/691)
 - V=Volts 24VAC detected
 - H=High Limit
 - D=Drain switch
 - S=COOK/PUMP switch in COOK position
 - F=Draft Fan (OFG 291/PFG 691 All other hardwired)
 - P= Manual pilot: gas auto-detect jumper
SSI/391/691: PV output from ign. module
Electric: hardwired off
 - M= Manual pilot: hardwired off.
SSI/391/691: MV output from ign. module
Electric: electric auto-detect jumper
- Note: 391/691 have two sets of P and M inputs
- T-13** • Outputs H*P_ or F* H*P_ or F* I* H*P_
 - H=Heat P=Pressure
 - F=Cooling fan (PFG 600) or Draft Fan (391/691)
 - I=Ignition module (PFG 600 SSI, 391/691)
- T-14** • Total Initialization Resets control to factory presets and clears all data log and stats information

G. Stats Mode (Code 11221122)

ST-1 • Stats Last Reset On (Date)
ST-2 • AC Power Live Hours
ST-3 • Melt Mode Hours
ST-4 • Cook Mode Hours
ST-5 • Standby (idle) Mode Hours
ST-6 • Filter Lockout Hours
ST-7 • Number of power ups
ST-8 • Errors Count
ST-9 • Heat On Hours
ST-10 • Pressure On Hours
ST-11 • Fan On Hours
ST-12 • Highest Oil Temperature
ST-13 • Highest CPU temperature
ST-14 • Highest Amps (PFE 500)
ST-15 • Lowest Amps (PFE 500)
ST-16 • System RAM Fades
ST-17 • Cook RAM Fade Count
ST-18 • Product RAM Fade Count

ST-19 • Stats RAM Fade Count
ST-20 • RAM Data Error Count
ST-21 • Data Total Loss Count
ST-22 • User Initialization Count
ST-23 • Automatic Initialization Count
ST-24 • Cooks Count per Product
ST-25 • Cook Cycle Stop Counts
- "1" = cancelled in the first 30 seconds
- "2" = cancelled after 30 secs but before last 30 secs
- "3" = cancelled in the last 30 seconds
- "4" = stopped at the *DONE* indication
ST-26 • Pilot Try Count (Sparking)
ST-27 • Pilot Success Count (Main Gas Valve)
ST-28 • Number of Fan Dropouts
ST-29 • Left Ignition Module Dropout Count
ST-30 • Right or Only Ign Module Dropout Count
ST-31 • Ignition Module Reset Count
ST-32 • Error Log
ST-33 • Activity Log
ST-34 • Reset All Stats

End of Level 2 Breakdown