English
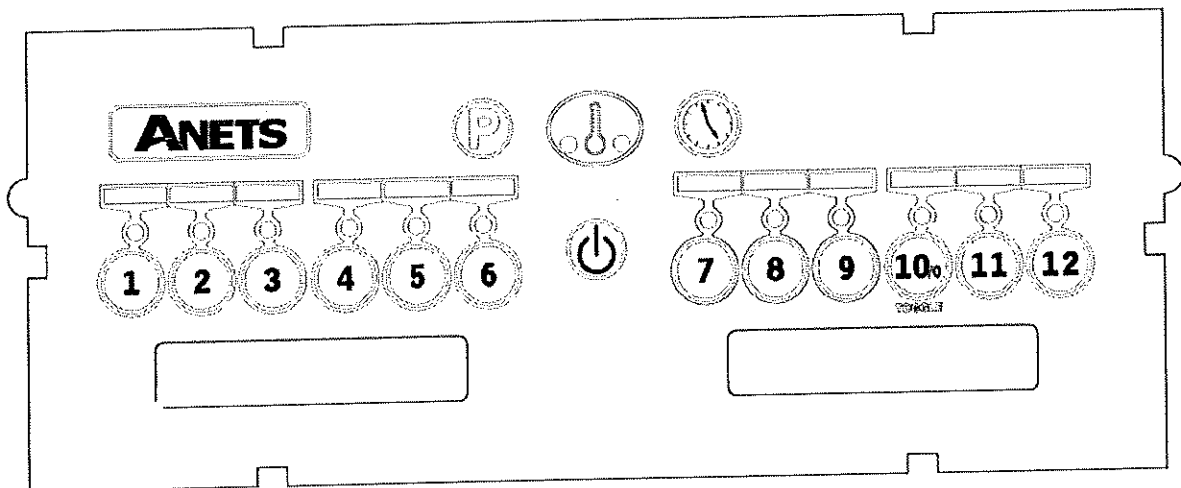
Operations Manual
for ANETS P/N 60149509 Single Vat
I12 Cooking Computer

This control was developed specifically for ANETS fryer products. It utilizes the latest in microprocessor technology and is completely solid state. This control offers the latest cooking technology, including temperature and time compensation that requires no user adjustments for consistently cooked product. Other features include, drain valve interlock, faulty probe detection, selectable melt cycles, beeper volume, and cook temperature. Each product key may be programmed with cook, shake and hold times to keep pace with changing menus over time.
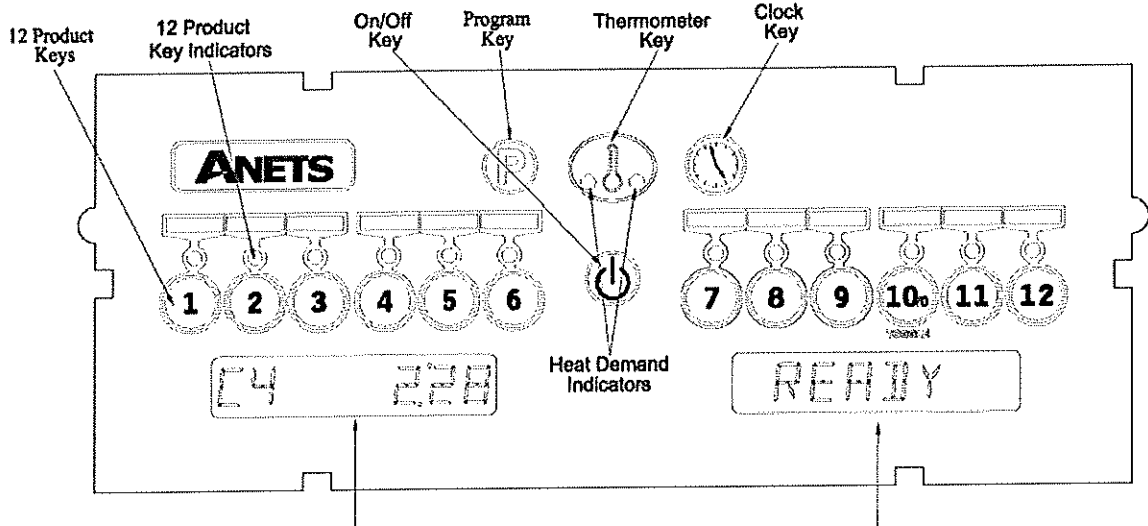
This manual details the operation and adjustment of the ANETS I12 Cooking Computer control. The target audience for this text is the Service Technician. This manual reveals all adjustments that are possible by keyboard entry, including passwords.

ANETS I12 Cooking Computer
ANETS P/N 60149509
Table of Contents:

1   Key Locations and Functions:

Displays show current operation. Throughout this text, a left only display will be printed as [C4 2:28]. When both left and right displays should be interpreted together, this text will show them as [C4 2:28] [READY].

1.1 To turn the appliance ON:

If power is applied to the appliance, the displays will show $\boxed{OFF\qquad}$. Press the ⏻ key.

Displays will show one of the following:

$\boxed{MELT\qquad}$; $\boxed{HEATING}$, or $\boxed{READY\qquad}$. Some messages may show in both left and right displays. Wait for the appliance to heat up to the [READY] condition before cooking.

1.2 To turn the appliance OFF:

Press the ⏻ key. Display will momentarily show the software version number $\boxed{0149509-}$,

and then $\boxed{OFF\qquad}$.

1.3 To start a cook:

When the display is showing $\boxed{READY\qquad}$ the appliance has reached set temperature and is ready to cook. Press the desired product key, and place product into the vat. The indicator above the product key will flash to indicate the cook timer is running. In the example above, product 4 is cooking with 2 minutes and 28 seconds remaining. The right side display of the dual vat control shown above, has no running cook timers, and shows $\boxed{READY\qquad}$.

Multiple cooks may run together. While cooks are running, the displays will always show the cook with the least time remaining. Longer running cooks will flash their indicators at a slower rate. Cook time remaining on these keys may be checked by pressing the 🕐 key then pressing a product key.

1.4 To cancel a cook:

Press and hold the product key to cancel a running cook. If no other cooks are pending, controller displays will return to $\boxed{R\,E\,A\,D\,Y}$.

1.5 To check Actual and Set temperatures:

To view the actual vat temperature, press the $\boxed{\text{🌡}}$ key. The display will show $\boxed{A\,C\,T\quad 3\,4\,7\,F}$ or $\boxed{A\,C\,T\quad 1\,7\,5\,C}$, where "F' is Fahrenheit, and "C" is Celsius. After a few moments, the display will return to $\boxed{M\,E\,L\,T}$; $\boxed{H\,E\,A\,T\,I\,N\,G}$, or $\boxed{R\,E\,A\,D\,Y}$, if no cooks are running. [CKn mm:ss] will display for any cooks still running.

To view the set temperature, press the $\boxed{\text{🌡}}$ key *twice*. The display will show $\boxed{S\,E\,T\quad 3\,5\,0\,F}$ or $\boxed{S\,E\,T\quad 1\,7\,7\,C}$, where "F' is Fahrenheit, and "C" is Celsius. After a few moments, the display will return to $\boxed{M\,E\,L\,T}$; $\boxed{H\,E\,A\,T\,I\,N\,G}$, or $\boxed{R\,E\,A\,D\,Y}$, or, [CKn mm:ss] for any cook still running.

1.6 To View Current Settings for Cook, Shake, Hold, and Hold Pre-Alarm:

To view the current settings for any product key, press the $\boxed{\text{🕐}}$ key, followed by the desired product key. The display will show [CKn mm:ss], followed by [SHn mm:ss], then [HDn mm:ss], ending with [PA4 mm:ss]. Where "n" is the key number, and "mm:ss" is the time setting. After a few moments, the display will return to $\boxed{M\,E\,L\,T}$; $\boxed{H\,E\,A\,T\,I\,N\,G}$, or $\boxed{R\,E\,A\,D\,Y}$, or, [CKn mm:ss] for any cook still running.

Typical displays using key 4, as an example:

Key 1 Cook Time [C1] is set for 3 minutes and 28 seconds.

Key 1 Shake Time [S1] is set for 2 minutes and :00 seconds before the end of the Cook. *Default value is 00:00, or inactive.*

Key 1 Hold Time [H1] is set for 15:00 minutes. This is the amount of time cooked product may sit in holding bins before a new batch is started. *Default value is 00:00, or inactive.*

Key 1 Hold Pre-Alarm [P1] is set for 00:00 and is inactive *(default setting)*. When activated his alarm warns the operators that the Hold Time is about to run out.

In a few moments, the display will return to $\boxed{R\,E\,A\,D\,Y}$.

$\boxed{\text{🕐}}$ + $\boxed{\text{🌡}}$ ①
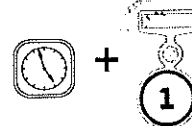
$\boxed{C\,1\qquad 3\,2\,8}$

$\boxed{S\,1\qquad 2\,0\,0}$

$\boxed{H\,1\qquad 1\,5\,0\,0}$

$\boxed{P\,1\qquad 0\,0\,0}$

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1.7 To perform a Boil Out operation:

Normal maintenance of a fryer requires regular tank cleaning. This process involves draining the vat of oil and filling with water. Cleaning solution is added, and the control is set to boil by one of the following methods:

1.7.1 Automatic Boil Entry (Water Detection):

Fill the appliance with water and turn the appliance on. Heat will be applied to the vat warming the water. This control will detect the presence of water by temperatures not rising above the boiling point of water; 212°F (100°C). After a time at this temperature, displays will show

| PRESS 0 || TO BOIL |

Heat will be disabled until the operator responds to this prompt. Pressing the [0] key is a **YES** response to the boil prompt. If pressed, display will show | BOIL |. Heat will maintain vat temperature at 185°F (85°C) for cleaning as long as the control remains on. To exit boil mode control must be turned off.

Warning: Pressing any other key at the | PRESS 0 || TO BOIL | *prompt is regarded by the control as a* **NO** *response. With this response, the control will apply heat to the vat as if oil were present in the vat. With water in the vat, a rolling boil will result. This will cause undesirable foam over conditions. And, a potential steam burn hazards to operators performing cleaning operations.*
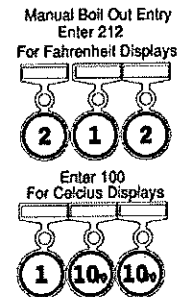
1.7.2 Manual Boil Entry:

After filling an empty vat with water, turn the appliance on. Press the

🔥 key and enter key sequence [2], [1], [2]. *If control is set to*

display in the Celsius scale, press [1], [0], [0] keys to manually enter boil mode. The display will show | BOIL | to indicate entry into boil mode.

To exit boil mode, control must be turned off.

Manual Boil Out Entry
Enter 212
For Fahrenheit Displays

(2)(1)(2)

Enter 100
For Celcius Displays

(1)(10₀)(10₀)

2 To Enter Programming Level 1 (for the Store Manager):

Note: The factory default setting for this control does not require a password to be entered. However, the operator password requirement and value may be changed in section 3.2. Entry of a password when NOT required will not interfere with the programming process.

With no cook timers running, displays will show one of the following displays: [MELT];

[HEATING], or [READY]. Press the (P) key.

If display shows:

[PASS----][PASSWORD], a password is required.

Level 1 & 2 Password

Enter password (6)(6)(8)(4) using the product keys

as a numeric keypad for entry. With correct password entry, display will show [PROGRAM].

From the [PROGRAM] display, continue with this section or go to section 3, or 4.

If display shows:

[PROGRAM]; you do not need to enter a password.

2.1 To Set Cook Temperature:

- ❑ Press the [🌡] key once. The display will show [SET xxxF] [TEMP] or [SET xxxC] [TEMP], where "xxx" is the temperature setting.

- ❑ Use the product keys for numeric entry to adjust the current setting. Press the (P) key to save setting.

- ❑ Display now shows [PROGRAM]. To exit here, press (P) again, or continue.

2.2 To Change a Product Key–Cook, Shake, Hold, and Hold Pre-Alarm Times:

For each product key, Cook, Shake, Hold, and Hold Pre-alarm times are set in this section.
With display showing $\boxed{PROGRRM}$, continue with the following section for each product key to change.

2.2.1 Cook Time

Cook Time may be set for each product key. To deactivate any product key enter a zero value for cook time.

❑ Press the ⊘ key.

❑ Display will show $\boxed{SELECT}$ $\boxed{PRODUCT}$. Press the desired product key to change.

❑ Display shows [nCK mm:ss] [TIME] where "n" is the key number, "CK" means Cook, and "mm:ss" is minutes and seconds.

❑ Use the product keys for numeric entry to adjust the current setting. Press the ⊘ key to save cook time and continue setup for this product key.

2.2.2 Shake Time

Shake time is an alarm that sounds during Cook Time to prompt operators to shake the basket. Default for this value is zero, meaning the Shake Time is inactive. To use Shake Time, the time value must be a non-zero value, and, must be set to a value less than cook time.

❑ Display shows [nSH mm:ss] [TIME] where "n" is the key number, "SH" means Shake, and "mm:ss" is time in minutes and seconds.

❑ Use the product keys for numeric entry to adjust the current setting. Press the ⊘ key to save shake time and continue setup for this product key.

Note: The value entered for shake time is the time from the end of the cook.

2.2.3 Hold Time

Cooked product may stand in holding bins for a period of time. This timer produces an alarm to inform operators to discard old product and start a new cook. *Default for this value is zero, meaning the Hold Time is inactive.*

❑ Display shows [nHD mm:ss] [TIME], where "n" is the key number, "HD means HOLD, and "mm:ss" is minutes and seconds.

❑ Use the product keys for numeric entry to adjust the current setting. Press the ⊘ key to save hold time and continue setup for this product key.

2.2.4   Hold Pre-Alarm

Hold Pre-Alarm is a timer setting that is used to warn operators that the Hold Time is about to expire. To use Hold Pre-Alarm, the time value must be a non-zero value, and, must be set to a value less than Hold Time. *Default value is zero, meaning the Hold Pre-Alarm is inactive.*
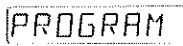
❑   Display shows [nPA mm:ss] [TIME] where "n" is the key number, PA means Pre-Alarm, and "mm:ss" is minutes and seconds.

❑   Use the product keys for numeric entry to adjust the current setting. Press the 🕐 key to save pre-alarm time.
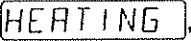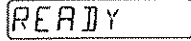
Note: Value entered for hold pre-alarm time is the time from the end of the hold period.

Display will again return to $\boxed{SELECT}$ $\boxed{PRODUCT}$. Repeat steps from section 2.2.2 to make changes to any other product keys or continue with section 2.3.

2.3 To Exit Level 1 programming:

Display shows $\boxed{SELECT}$ $\boxed{PRODUCT}$.

❑   Press the **(P)** key. Display shows $\boxed{PROGRAM}$. Continue to section 3 "To Change Options", or, exit here in the next step.

❑   To exit Level 1 programming, press the **(P)** key again.

Displays will show $\boxed{MELT}$; $\boxed{HEATING}$, or $\boxed{READY}$, when no active cooks are running.

3 To Change Options Level 2 (for the Store Manager):

The display must show [PROGRAM] from section 2 to change these options. When the product key [10/0] is pressed, the display will show [SELECT][OPTIONS]. Indicator lights above product keys will illuminate to represent options that may be changed. Each option listed below uses the product key [0] to toggle or scroll through available choices in the display.

When the correct value is displayed, press the (P) key to save choice. The display will again return to [PROGRAM] for another option selection.

3.1 Fahrenheit or Celsius Display:

The Controller will display temperatures in the Fahrenheit or Celsius scales. The default scale is °F. With display showing [PROGRAM], press the product key [0].

❑ Display shows [SELECT][OPTIONS].

❑ Press product key 1, display shows [DEGREE n] [F OR C], where "n" is the current setting.
❑ Use the product key [0] to scroll through choices (F or C).

❑ Press (P) key to save choice. Display now shows [PROGRAM].
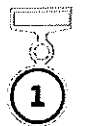
3.2 Password Change or Required?

With factory settings, an operator password is not required to enter programming Levels 1 and 2. The password may be activated or changed in these steps.
With display showing [PROGRAM], press the product key [0].

❑ Display will show [SELECT][OPTIONS].

❑ Press product key 2, display shows [SET PAS] [NEW PASS]. Use the product key [0] to scroll through choices [NO PASS] or [PASS REQ]. Press (P) key to save choice.

❑ If [NO PASS] is selected Display returns to [PROGRAM].

❑ If [PASS REQ]. is selected, display will show [PASSnnnn] [NEW PASS] to prompt for new password. Displayed value "nnnn" is the current password. Use the product keys for numeric entry to change password.

❑ Press (P) key to save choice. Display then shows [PROGRAM].

Note: The factory default password (6684) will always work even if a different password is selected here.

3.3 Beeper Volume and Tone:

Volume and Tone of the beeper alarm may be changed in this section. Volume ranges are 1,2 and 3, where 3 is the loudest setting. This model also has a selection for tone.

With display showing $\boxed{PROGRAM}$, press the product key [0].

❑ Display will show $\boxed{SELECT}$ $\boxed{OPTIONS}$. Press product key 3, display shows [VOLUME n] [BEEPER].

❑ Use the product key [0] to scroll through choices (n= 1,2,3, or T). Beeper volume will change as each selection is made.

❑ If "T" is selected an additional display is shown, [TONE n] [BEEPER]. Use the product key [0] to scroll through choices (n= 1,2,3). Beeper tone will change as each selection is made.

❑ Press **(P)** key to save choice. Display shows $\boxed{PROGRAM}$.

3.4 Language Selection:

With display showing $\boxed{PROGRAM}$, press the product key [0].

❑ Display will show $\boxed{SELECT}$ $\boxed{OPTIONS}$.

❑ Press product key 4, display shows [ENGLISH] [LANGUAGE].

❑ Use the product key [0] to scroll through choices (ENGLISH, ESPANOL, FRANCAIS, DEUTSCH, HOLLAND).

❑ Press **(P)** key to save choice. Display shows $\boxed{PROGRAM}$.

3.5 Melt Cycle Type:

This adjustment allows selection of the melt cycle type and requirement when starting the appliance from a cold start.

With display showing $\boxed{PROGRAM}$, press the product key [0].

❑ Display will show $\boxed{SELECT}$ $\boxed{OPTIONS}$.

❑ Press product key 5, display shows [LIQUID], the default setting.

❑ Use the product key [0] to scroll through choices (liquid, solid, or, no melt).

❑ Press **(P)** key to save choice. Display will again return to $\boxed{PROGRAM}$.

3.6 Recovery Test Value:

This controller maintains a record of heat up times for the appliance. A poorly running appliance will have increased recovery times stored in this display. There is no selection done here, just the display of recovery time values.

With display showing $\boxed{PROGRAM}$, press the product key [0].

❏ Display will show $\boxed{SELECT}$ $\boxed{OPTIONS}$.

❏ Press product key 6, display will show [RECOVERY] [TEST].

❏ Press the product key [0]. Display will show [FnnnLyyy], where nnn is the factory recovery value, and yyy is the last warm- up recovery value.

❏ After recording these values, press the **(P)** key. Display will again return to $\boxed{PROGRAM}$

3.7 Control or Timer: Single Vat

With display showing $\boxed{PROGRAM}$, press the product key [0].

❏ Display will show $\boxed{SELECT}$ $\boxed{OPTIONS}$.

❏ Press product key 7, display will show [CONTROL].

❏ Use the product key [0] to scroll through choices (Control, Timer).

❏ Press **(P)** key to save choice. Display shows $\boxed{PROGRAM}$.

Note: If timer is selected, heat control outputs are disabled, leaving only the timer functions active.