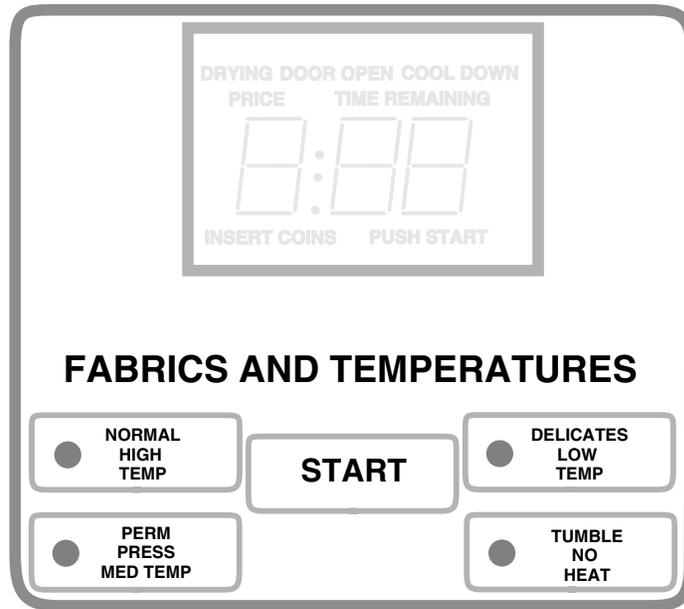


Electronic Control

Dryer
Programming Manual
Model numbers in this manual
are shown on Page 2.



C541i

Use this manual with all electronic dryers.



WARNING

FAILURE TO INSTALL, MAINTAIN, AND/OR OPERATE THIS MACHINE ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS MAY RESULT IN CONDITIONS WHICH CAN PRODUCE BODILY INJURY AND/OR PROPERTY DAMAGE.

NOTE: The WARNING and IMPORTANT INSTRUCTIONS appearing in this manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense, caution, and carefulness are factors which cannot be built into these dryers. These factors MUST BE supplied by the person(s) installing, maintaining, or operating the dryer.

Always contact the distributor, service agent, or the manufacturer about any problems or conditions you do not understand.

Model Identification

Information in this manual is applicable to these dryer models:

EEC290	EG3909	ZG5919	SSG519	SFE707
EEC591	EG5809	ZG6819	SSG609	SFG709
EEJ907	EG5819	SDE407	SSG619	HFE507
EE2807	EG5909	SDE507	SSG709	HFG509
EE2907	EG5919	SDE607	SSG719	HFE707
EE3807	EG6809	SDE707	HDE507	HFG709
EE3907	EG6819	SDG409	HDE607	STE517
EE5807	EG6909	SDG509	HDE707	STG519
EE5817	EG6919	SDG609	HDG509	STE717
EE5907	ZEC290	SDG709	HDG609	STG719
EE5917	ZEC591	SSE407	HDG709	HTE517
EE6807	ZEJ907	SSE417	HSE517	HTG519
EE6817	ZE2907	SSE507	HSE617	HTE717
EE6907	ZE3807	SSE517	HSE717	HTG719
EE6917	ZE5917	SSE607	HSG519	STEB17
EGC290	ZE6817	SSE617	HSG619	STGB19
EGC591	ZGC290	SSE707	HSG719	STED17
EGJ909	ZGC591	SSE717	SFE507	STGD19
EG2809	ZGJ909	SSG409	SFG509	
EG2909	ZG2909	SSG419	SFE607	
EG3809	ZG3809	SSG509	SFG609	

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Section I

Preliminary Information

About the Control

The Electronic Control on the coin dryer is an advanced programmable computer that lets the owner control machine features by pressing sequences of SELECT CYCLE pads. See *Figure 1*.

The Electronic Control lets the owner program custom cycles, set vend prices, retrieve audit information, program and run diagnostic cycles, and program special vend features. Dryers shipped from the factory have a default cycle (MED TEMP) built in. However, the default cycle or any cycle may be changed as needs permit.

IMPORTANT: In the event of a power failure, the Electronic Control will not have to be reprogrammed. It is designed with a memory system that will remember how it was programmed for up to six years or until the electrical power is restored.

IMPORTANT: It is extremely important that your dryer has a good positive ground and that all mechanical and electrical connections to the Electronic Control are made before applying power to or operating your dryer.

Glossary of Terms

The following are a few abbreviations to learn. These are referred to throughout the manual:

VFD - Vacuum Fluorescent Display. This term refers to the window area of the Electronic Control. See *Figure 1*.

LED - Light Emitting Diode. This term refers to the lights on the SELECT CYCLE pads. See *Figure 1*.

Power Failure Recovery

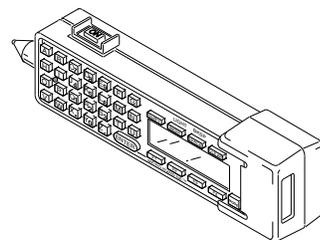
If power fails during an active cycle, the cycle status is saved in the Electronic Control memory capable of retaining information without direct power for a minimum of six years. When power is restored, the dryer may resume the previously active cycle (if programmed by the owner) by pressing the START pad.

The owner may program a special feature called Power Fail Reset which sets a maximum power failure duration (refer to Section VIII, option 22, when programming Power Fail Reset). If the power failure is greater than the time period programmed by the owner, the dryer will revert back to the "Ready" mode rather than resume the previously active cycle. If the Power Fail Reset has not been turned on, the previously active cycle will always resume where it was interrupted when power is restored.

The Power Fail Reset may be set between five and 127 minutes. The factory default setting is five minutes and is turned off. Refer to "*Programming the Electronic Control*," Section VIII, to set Power Fail Reset.

Infra-red Communications (Applicable Models Only)

The Electronic Control may be programmed manually or by an optional hand-held infra-red computer called the MICRO-WAND III[™].



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The MICRO-WAND III[™] allows the owner to program and retrieve information from the Electronic Control without touching the key pad. The Micro-Wand greatly expands the programming options available to the owner. However, the Micro-Wand is not required to program and operate the Electronic Control dryer. The operation of the Micro-Wand and the advanced features available through its use are covered separately in the Micro-Wand instruction manual.

Notes

Section II

Electronic Control Identification

SELECT CYCLE Pads (Figure 1)

SELECT CYCLE pads are used to select the specific dryer cycle and temperature. These pads include HIGH TEMP, MED TEMP, LOW TEMP, and NO HEAT, Figure 1. SELECT CYCLE pads are also used in programming and customizing cycle information and retrieving audit information in Section VII, "Entering the Special Mode."

START Pad (Figure 1)

The START pad is used to start the dryer after the full vend price has been satisfied and the dryer door is closed.

Both the START pad and the SELECT CYCLE pads are used in various combinations for programming cycles, retrieving audit information, running diagnostic tests, and other hidden operations described in Section VII, "Entering the Special Mode."

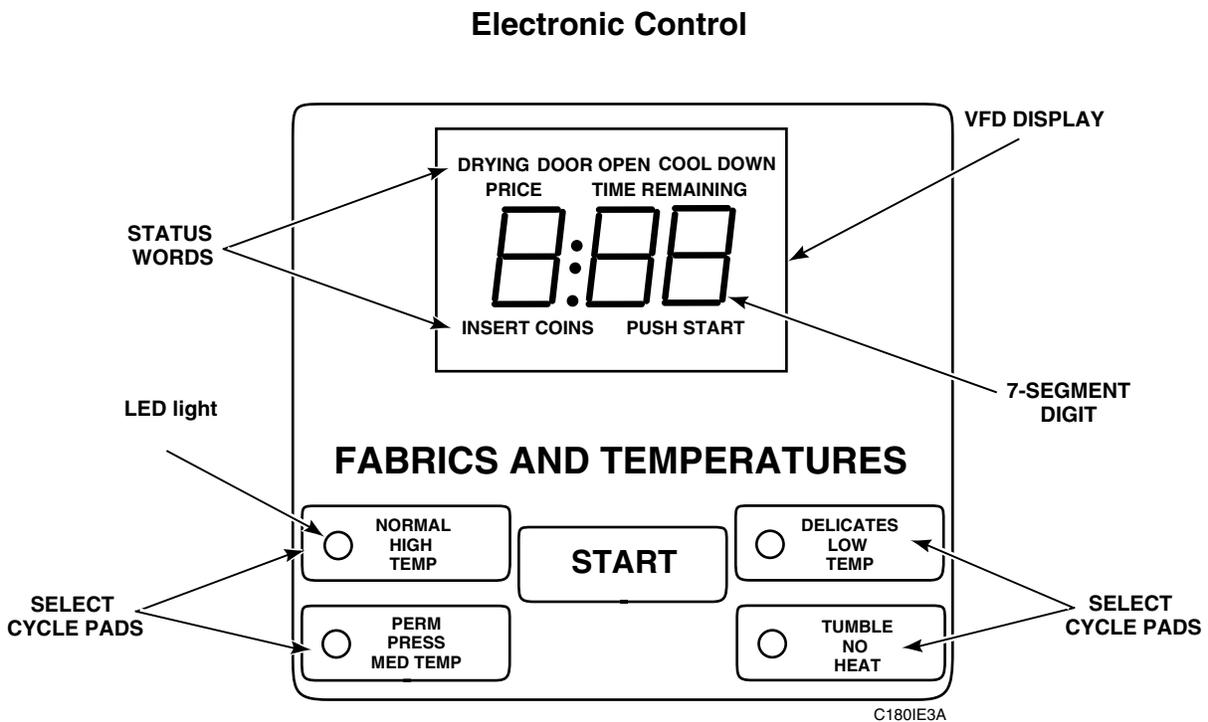


Figure 1

Notes

Section III

Vacuum Florescent Display (VFD) Identification

Status Words

INSERT COINS

The status word INSERT COINS is lit to prompt the user to insert coins to satisfy the vend price for the chosen cycle. When INSERT COINS is lit, the three digits and the decimal point will display the vend price remaining to be satisfied.

If a new cycle is selected while a cycle is running, and if the new cycle requires more coins, the status word INSERT COINS will flash at one-second intervals while the display will show the vend price remaining to be satisfied.

PUSH START

The status word PUSH START is lit whenever the dryer is not in a cycle, the full vend price has been satisfied, and the dryer door is closed. When the START pad is pressed, the cycle will begin or resume. The PUSH START status word flashes at one-second intervals when activated.

DRYING

The status word DRYING is lit to indicate that one of the heated cycles (HIGH TEMP, MED TEMP, LOW TEMP) is currently in operation. The status word DRYING goes off at the end of a heated cycle or when the COOL DOWN cycle begins.

DOOR OPEN

The status word DOOR OPEN is lit and flashes at one-second intervals whenever the dryer door is open.

COOL DOWN

The status word COOL DOWN is lit whenever the COOL DOWN portion of a heated cycle is active. It is also lit when the NO HEAT cycle is in operation.

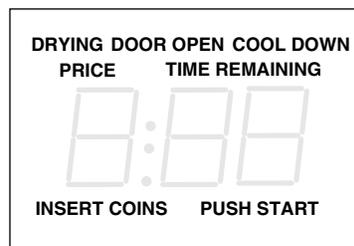
PRICE

The status word PRICE is lit to indicate that the value displayed by the VFD remains to be satisfied. Once the vend price is satisfied, the word PRICE will go off.

TIME REMAINING

The status word TIME REMAINING is lit to indicate that the time displayed by two digits and the colon is the time remaining (in minutes) in the active cycle. The colon flashes at one-second intervals and time continually counts down in an active cycle.

VFD DISPLAY



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Figure 2

Notes

Section IV

Dryer Operation

Start Up

Whenever power is applied to the dryer, the Electronic Control becomes active and lights the default cycle LED (MED TEMP). In addition, the status words PRICE and INSERT COINS are lit with the MED TEMP vend price displayed. This is referred to as the “Ready” mode, *Figure 3*.

The customer may select a different cycle if desired. The VFD display will show the current vend price for each cycle chosen. A customer may select the cycle before entering coins.

“Ready” Mode

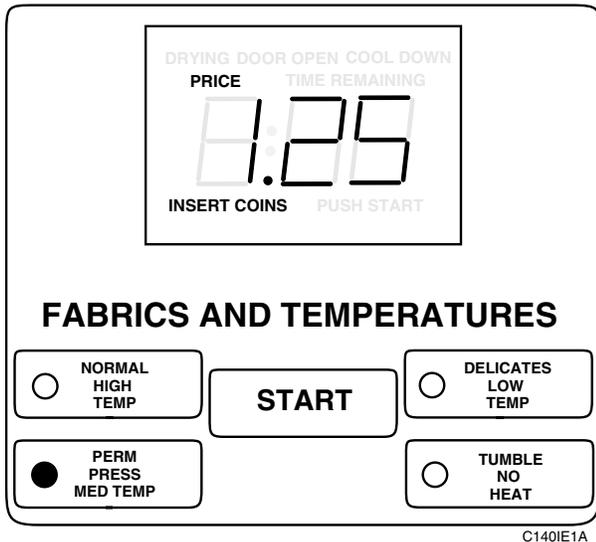


Figure 3

As coins are entered into the machine, the vend price remaining to be satisfied gets smaller. Once the full vend price is satisfied, the INSERT COINS and PRICE status words are turned off, the TIME REMAINING and PUSH START status words turn on, and the display shows the time remaining in the MED TEMP cycle, *Figure 4*.

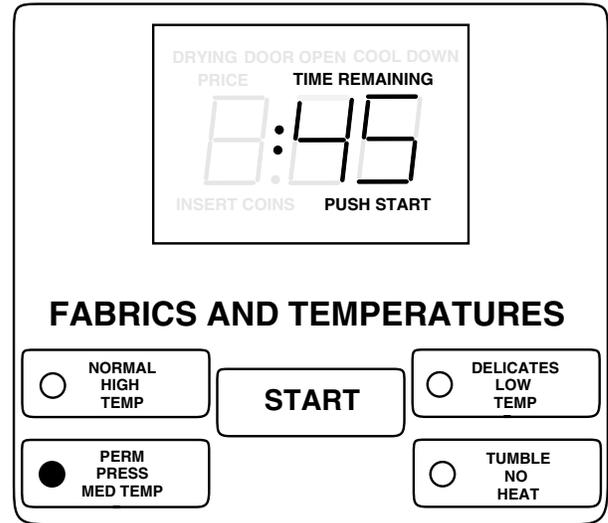


Figure 4

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If the START pad is pushed, the dryer cylinder will begin turning. After the cylinder begins turning, the heat will turn on. Also, the PUSH START status word will go off, the DRYING status word will turn on, and the display will begin counting down the time remaining in the cycle.

The status word DRYING will remain lit until the COOL DOWN cycle begins. When the COOL DOWN cycle begins, the status word COOL DOWN is lit, DRYING is turned off, and the heater is turned off. The time will continue to count down until “:00” minutes is displayed, *Figure 5*. At this point the cycle is complete.

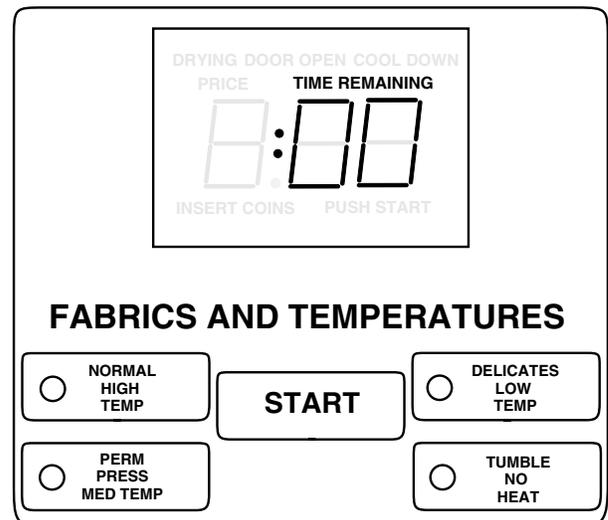


Figure 5

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When a cycle is complete, a signal will sound for three seconds at one of three programmable volumes (if selected). Dryers shipped from the factory have the signal turned off. The signal (if selected) will sound at the end of each cycle, when SELECT CYCLE pads are pushed, or when coins are entered. Each of these signals can be turned on or off separately (refer to Section VIII, option 1, to program signal options).

When a cycle is complete, the VFD will display the status word TIME REMAINING and "00" until the door is opened. See *Figure 5*. When the door is opened, the VFD display will revert back to the "Ready" mode. See *Figure 3*.

Entering Coins

Coins are entered to satisfy the programmed vend price for a selected cycle. Coins may be entered before selecting a cycle or during an active cycle. When coins are entered during an active cycle, the time remaining is increased by the amount programmed by the owner (refer to Section VIII, option 17, when programming additional time-per-coin options).

The owner may choose to add additional time for each coin entered or may require an additional full vend price to add time once a cycle has begun. If coins are entered to an active heated cycle currently in the COOL DOWN mode, more than one coin may be required to push the cycle back into the DRYING mode. The maximum time for any cycle is 99 minutes.

Changing Active Cycles

An active cycle may be changed at any time during dryer operation. However, changing from one cycle to another may require additional coins. If a newly selected cycle requires additional coins, the additional coins must be entered within 60 seconds.

If, for example, two additional coins are required to fulfill the vend price for a new cycle, the dryer will allow sixty seconds between coins entered. If the vend price is not satisfied within that time, the dryer will go back to the original cycle and the time remaining is increased by the amount of coins entered, depending on the additional time-per-coin parameter.

Changing between heated cycles is allowed at any time during the active DRYING portion of a heated cycle. However, if the vend price is greater for a heated cycle than a NO HEAT cycle, changing to a heated cycle from a NO HEAT cycle is only allowed during the first 3 and the final 5 minutes of the cycle. In this case, the cycle will require additional coins.

Opening the Dryer Door

Opening the dryer door in a running cycle will automatically stop the cycle. When the dryer door is opened, the status word DRYING is turned off, and the status words DOOR OPEN will flash at one-second intervals, *Figure 6*.

NOTE: When the door is opened during an active cycle, the time will continue to count down.

Once the dryer door is closed, the status words DOOR OPEN goes off and the status word PUSH START flashes at one-second intervals until the START pad is pushed. Pressing the start pad will start or resume the active cycle.

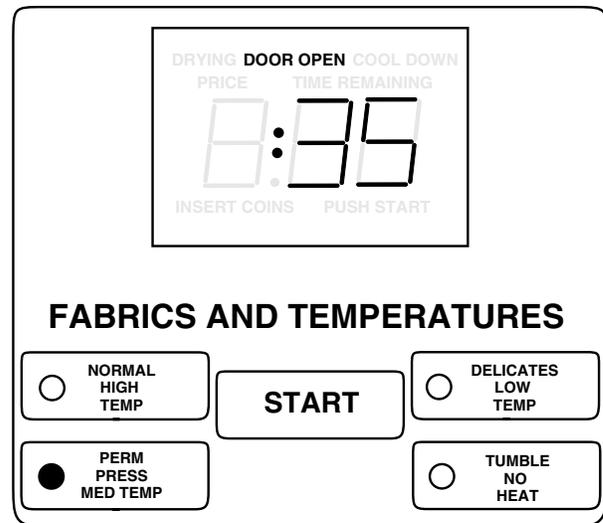


Figure 6

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Signals

There are three options where a signal may sound during the dryer operation. The owner may program when the signals will sound and at what volume level. These three options are listed below:

1. **End of Cycle Signal**

By default, this signal is turned off. If enabled, the signal will sound for three seconds at one of three programmable volume levels at the end of a cycle.

2. **Keypad Depression Signal**

By default, this signal is set at the lowest volume level and will sound for .25 seconds. This signal will sound each time a successful keypad depression has been executed.

3. **Coin Drop Signal**

By default, this signal is off. If enabled, the signal will sound for .25 seconds at one of three programmable volume levels each time a coin is entered.

NOTE: Refer to Section VIII, option 1, to program signal options.

Notes

Section V

Electronic Control Special Features

Programming the Electronic Control

The Electronic Control allows the dryer owner to program special features. Cycle and vend information may be programmed and displayed by opening and closing the service door and then pressing combinations of SELECT CYCLE pads on the Electronic Control keypad.

For details on programming cycle and vend information, refer to “*Programming the Electronic Control*,” Section VIII.

Collecting Audit Information

With the Electronic Control, the dryer owner is able to access valuable audit information by opening and closing the service door and then pressing various sequences of SELECT CYCLE pads on the Electronic Control keypad. The Electronic Control will record and display coin vault openings, coins entered, service door openings, total dryer cycles, total NO HEAT cycles, special vend options, power failures, downloads, and others.

For detailed information on audit features, refer to “*Collecting Audit Information*,” Section IX.

Testing Machine and Electronic Control Functions

Special programmable diagnostic features built into the Electronic Control allow the owner to test specific information with the dryer in and out of an active cycle. By opening and closing the service door and then pressing various sequences of SELECT CYCLE pads, the owner may perform the following tests:

- Diagnostic Test
- Dryer-On Temperature Test
- Thermistor Temperature Display Test
- Coin Vault Opening Test
- Service Door Opening Test
- Coin Drop Input Test

For detailed information on running diagnostic tests, refer to “*Testing Machine and Electronic Control Functions*,” Section X.

Sales Floor Feature

The Electronic Control dryer has a built-in sales floor feature used to display all the LED lights, the status words, and the three digits with the colon and decimal point. This function is designed to show potential customers the high-tech features of the Electronic Control.

For detailed information on using the Sales Floor feature, refer to Section XI.

Rapid Advance Feature

This feature allows the user to quickly advance through an active dryer cycle or advance into a cycle from the “Ready” mode. This feature is useful when tests must be performed immediately on a dryer in an active cycle. In this case, the user can quickly advance the cycle to the end, perform the required tests, then return the dryer to the active cycle.

For detailed information on using the Rapid Advance feature, refer to Section XII.

Clear the Electronic Control Vend Feature

This feature allows the user to return the Electronic Control back to “Ready” mode if coins have been entered but the full vend price has not been satisfied. See *Figure 3*.

For more information on using the Clear Vend feature, refer to Section XIII.

Notes

Section VI

Opening the Service Door

Overview

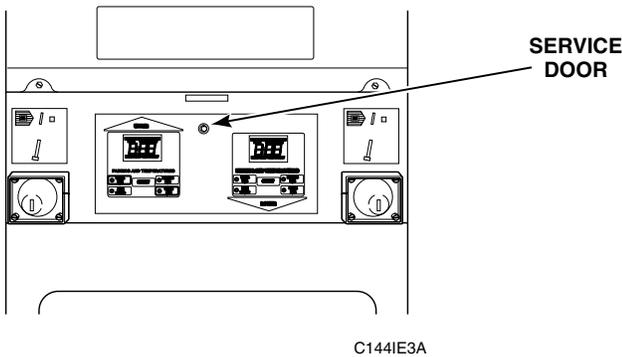
Manually programming the Electronic Control often requires the operator to open and close the service door. Opening and closing the service door trips a switch allowing access to various programmable options, diagnostics, and audit capabilities.

On stacked dryers and stacked washers and dryers, the service door is located between the coin drops in the control panel. See *Figure 7*.

On stand-alone dryers, the service door is located on the top of the meter case, and on the front control dryer, the service door is located in the control panel. See *Figure 8*.

After opening and closing the service door, the programmer has 4.25 minutes to begin programming. If a SELECT CYCLE pad has not been pressed in that time, the control will revert back to the “Ready” mode. See *Figure 3*.

Stacked Dryer



Stacked Washer and Dryer

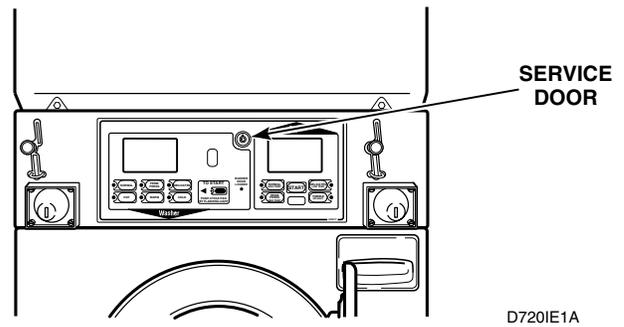
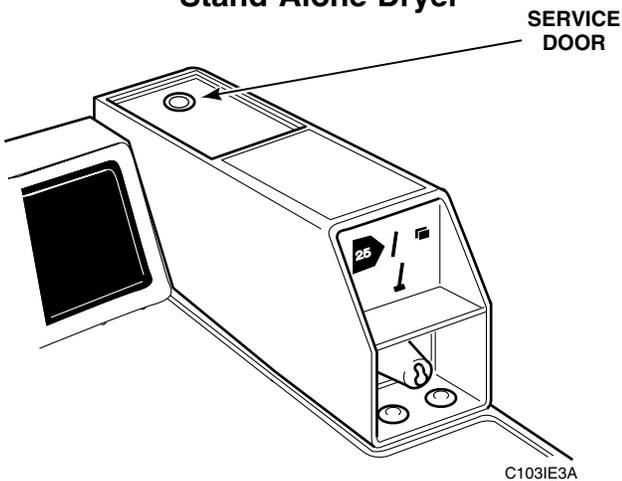


Figure 7

Stand-Alone Dryer



Front Control Dryer

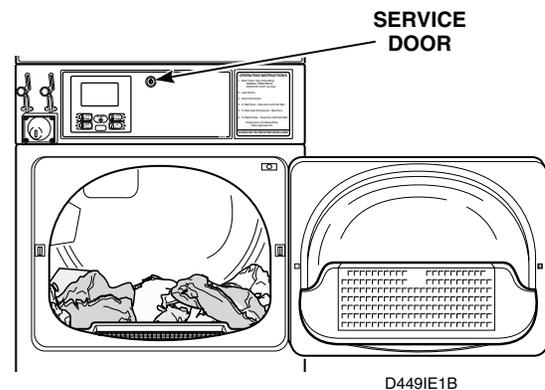


Figure 8

Notes

Section VII

Entering the Special Mode

Overview

For programming, testing, and retrieving information from the Electronic Control, it is often necessary to enter the Special Mode by following the four simple steps below.

How to Enter the Special Mode

1. Be sure the dryer is in the “Ready” mode, before continuing to step 2. See *Figure 3*. If the dryer is in an active cycle, rapid advance through the cycle, see the Rapid Advance feature, (Section XII). If coins have been entered, see the Clear Vend feature (Section XIII).
2. Open and close the service door (see Section VI).
3. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand.
4. The VFD will show “SPC,” *Figure 9*.

The rest of this section describes the six special features that the Electronic Control can enter. **It is necessary to enter the Special Mode when programming special features 1–4 in the list below.**

1. Programming the Electronic Control
2. Collecting Audit Information
3. Testing Machine and Electronic Control Functions
4. Sales Floor Feature
5. Rapid Advance Feature
6. Clearing the Electronic Control Vend Feature

Once in the special mode, continue on into one of the features described in detail on the following pages.

Instructions on how to exit each feature are found at the end of each feature description.

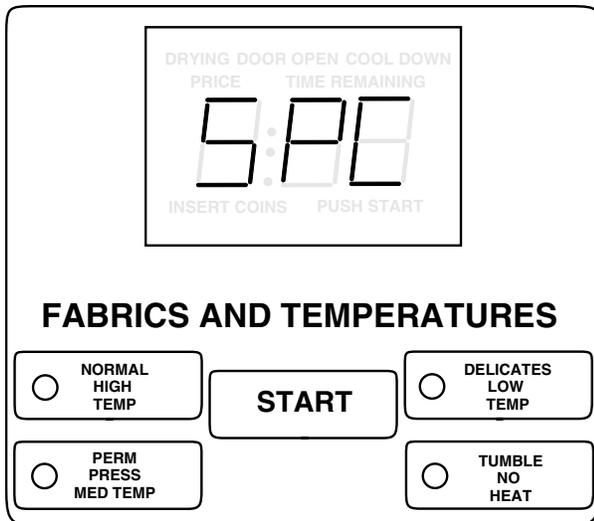


Figure 9

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Notes

Section VIII

Programming the Electronic Control

What Can Be Programmed?

This feature allows the owner to program cycle information, standard vend pricing, special vends, and others. Refer to this section when programming the Electronic Control.

This section offers a detailed description of all 29 options available for programming.

Each description includes instructions on when and why the option might be used and, more importantly, how to program the option.

For more advanced users, a quick reference list of the options available through the programming mode is located on this page.

NOTE: The three letters in the Option column of the Programmable Options List is what will show in the VFD display when that option is selected.

* Options marked with an asterisk are for basic start-up programming.

Programmable Options Available

#	OPTION	DESCRIPTION
1	"Slg"	Audio Signal
*2	"nPr"	Normal Vend Price
3	"SPA"	Special Vend A ON/OFF Days of Week
4	"AnP"	Special Vend A Normal Price
5	"AFP"	Special Vend A NO HEAT Price
6	"AnL"	Special Vend A Normal Time
7	"AFL"	Special Vend A NO HEAT Time
8	"ASH"	Special Vend A Start Hour
9	"AEH"	Special Vend A End Hour
*10	"nCL"	Normal Cycle (HIGH, MED, LOW) Time
*11	"HCL"	HIGH TEMP Cool Down Time
*12	"HdE"	HIGH TEMP Temperature
*13	"PCL"	MED TEMP Cool Down Time
*14	"PdE"	MED TEMP Temperature
*15	"LCL"	LOW TEMP Cool Down Time
*16	"LdE"	LOW TEMP Temperature
*17	"Add"	Additional Time
*18	"FPr"	NO HEAT Vend Price
*19	"FCL"	NO HEAT Cycle Time
*20	"COI"	Coin Value
21	"dCS"	Default Cycle Status
22	"rPF"	Reset After a Power Failure
23	"CFg"	Control Configuration - Daylight Savings - Fahrenheit/Celcius - Decimal Point - Infra-red Access - Auto Collect
24	"CIn"	Set Real-Time Clock (minutes)
25	"CHr"	Set Real-Time Clock (hours)
26	"CdA"	Set Real-Time Clock (days of week)
27	"CdE"	Set Real-Time Clock (date)
28	"COn"	Set Real-Time Clock (month)
29	"CYr"	Set Real-Time Clock (year)

1. Audio Signal “Slg”

This option allows the user to program when the signals will sound and at what volume level.

There are three occasions where a signal may sound during the dryer operation. These three occasions are listed below:

1. **End of Cycle Signal**

By default, this signal is turned off. If turned on, the signal will sound for three seconds at one of three programmable volume levels at the end of a cycle.

2. **Keypad Depression Signal**

By default, this signal is set at the lowest volume level and will sound for .25 seconds. This signal will sound each time a keypad is pressed.

3. **Coin Drop Signal**

By default, this signal is off. If turned on, the signal will sound for .25 seconds at one of three programmable volume levels each time a coin is entered.

How to Program the Audio Signal “Slg”

- Control must be in Special Mode. Refer to Section VII.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 10*.



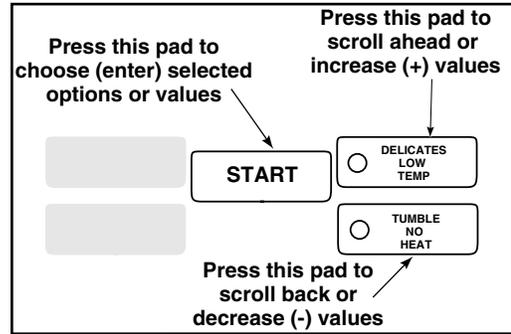
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Figure 10

- When “Slg” appears in the VFD press the START pad. A three-digit number will appear in the VFD.

NOTE: The number appearing in the VFD is the current number that was selected from *Chart 1* located on the following page.

- Locate the desired three-digit number in the first column of *Chart 1* on the following page.
- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current three-digit number until correct, *Figure 11*.



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Figure 11

- Press the START pad when the correct three-digit number appears in the VFD. The next programmable option, “nPr,” will appear in the VFD.

NOTE: To program “nPr” (Normal Vend Price), see option 2. To program other options, refer to the appropriate section.

For example: A user might wish to have the signal sound only when a keypad is pressed and at the lowest level. Entering the three-digit number 035 in step 4 would disable all the options except LOW VOLUME and KEYPAD. In this instance the signal would sound at the lowest volume only when a keypad is pressed.

How to Exit Programming Feature

- Be sure service door has been opened and closed. Refer to Section VI.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

How to Read *Chart 1*

To determine the correct three-digit number required in step four on the previous page, review the chart below. Read *Chart 1* from left to right. Each row begins with a three-digit number required in step 4.

Each three-digit number in the first column is followed by the words ON or OFF in the following columns. The word ON or OFF indicates if the option at the top of that column is turned on or turned off when that number is entered.

Chart 1 “Slg”

Signal Value	High Volume	Medium Volume	Low Volume	Coin Input	Cycle End	Key Pad
000	OFF	OFF	OFF	OFF	OFF	OFF
035	OFF	OFF	ON	OFF	OFF	ON
037	OFF	OFF	ON	OFF	ON	OFF
039	OFF	OFF	ON	OFF	ON	ON
041	OFF	OFF	ON	ON	OFF	OFF
043	OFF	OFF	ON	ON	OFF	ON
045	OFF	OFF	ON	ON	ON	OFF
047	OFF	OFF	ON	ON	ON	ON
067	OFF	ON	OFF	OFF	OFF	ON
069	OFF	ON	OFF	OFF	ON	OFF
071	OFF	ON	OFF	OFF	ON	ON
073	OFF	ON	OFF	ON	OFF	OFF
075	OFF	ON	OFF	ON	OFF	ON
077	OFF	ON	OFF	ON	ON	OFF
079	OFF	ON	OFF	ON	ON	ON
131	ON	OFF	OFF	OFF	OFF	ON
133	ON	OFF	OFF	OFF	ON	OFF
135	ON	OFF	OFF	OFF	ON	ON
137	ON	OFF	OFF	ON	OFF	OFF
139	ON	OFF	OFF	ON	OFF	ON
141	ON	OFF	OFF	ON	ON	OFF
143	ON	OFF	OFF	ON	ON	ON

CHART 1

2. Normal Vend Price “nPr”

This option allows the user to set the normal (heated cycle) vend pricing which will be displayed in the VFD when in the “Ready” mode. The vend price programmed in this option is used for all cycles except the NO HEAT cycle.

Program this option whenever a heated cycle vend price needs to be changed.

How to Set the Normal Vend Price “nPr”

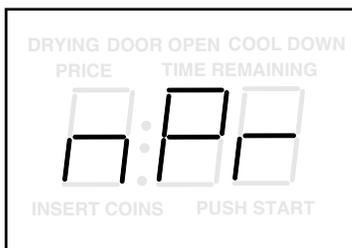
1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 12*.



C146IE1A

Figure 12

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “nPr” appears in the VFD, *Figure 13*.

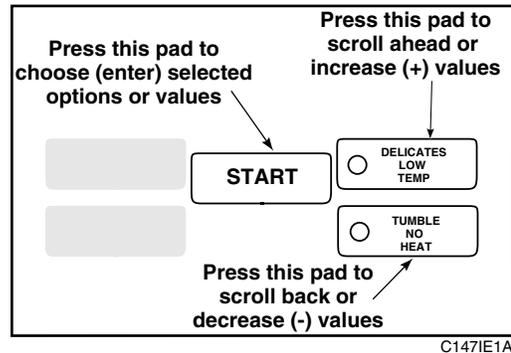


C148IE1A

Figure 13

4. When “nPr” appears in the VFD, press the START pad. The current number of coins required to fulfill the vend price will appear in the VFD.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current number of coins to the desired number of coins, *Figure 14*.



C147IE1A

Figure 14

6. When the correct number of coins appears in the VFD, press the START pad to enter the corrected number. The next programmable option, “SPA,” will appear in the VFD.

NOTE: To program “SPA” (Special Vend A), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

3. Special Vend A, ON/OFF Days of Week “SPA”

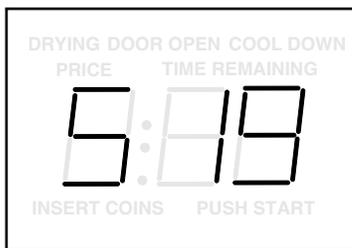
This option allows the user to set the start day and stop day of a special vend.

Special Vend A is used to interrupt the standard vend cycles for special occasions. The special vend can be programmed to start at a specific time or day of the week and end on another.

The owner may also turn the Special Vend A option on or off if desired.

How to Program Special Vend A Days of Week “SPA”

1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 15*.



C146IE1A

Figure 15

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “SPA” appears in the VFD, *Figure 16*.



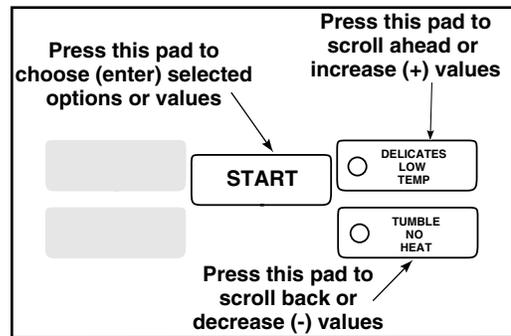
C149IE1A

Figure 16

4. When “SPA” appears in the VFD, press the START pad. A three-digit number will appear in the VFD.

NOTE: The number appearing in the VFD is the current number that was selected from *Chart 2* beginning on the following page.

5. Locate the desired three-digit number in the first column of *Chart 2* on the following pages.
6. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current three-digit number displayed in the VFD to the desired three-digit number, *Figure 17*.



C147IE1A

Figure 17

7. Press the START pad when the correct three-digit number appears in the VFD. The next programmable option, “AnP,” will appear in the VFD.

NOTE: To program “AnP” (Special Vend A Normal Price), see option 4. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

How to Read *Chart 2*

To determine the correct three-digit number required in step four on the previous page, review the chart below. Read *Chart 2* from left to right. Each row begins with a three-digit number required in step 4.

Each three-digit number in the first column is followed by the words ON or OFF in the following columns. The word ON or OFF indicates if the option at the top of that column is turned on or turned off when that number is entered.

Special Vend A Day Value Chart “SPA“

"SPA" VALUE	SAT	FRI	THUR	WED	TUE	MON	SUN
000	OFF	OFF	OFF	OFF	OFF	OFF	OFF
003	OFF	OFF	OFF	OFF	OFF	OFF	ON
005	OFF	OFF	OFF	OFF	OFF	ON	OFF
007	OFF	OFF	OFF	OFF	OFF	ON	ON
009	OFF	OFF	OFF	OFF	ON	OFF	OFF
011	OFF	OFF	OFF	OFF	ON	OFF	ON
013	OFF	OFF	OFF	OFF	ON	ON	OFF
015	OFF	OFF	OFF	OFF	ON	ON	ON
017	OFF	OFF	OFF	ON	OFF	OFF	OFF
019	OFF	OFF	OFF	ON	OFF	OFF	ON
021	OFF	OFF	OFF	ON	OFF	ON	OFF
023	OFF	OFF	OFF	ON	OFF	ON	ON
025	OFF	OFF	OFF	ON	ON	OFF	OFF
027	OFF	OFF	OFF	ON	ON	OFF	ON
029	OFF	OFF	OFF	ON	ON	ON	OFF
031	OFF	OFF	OFF	ON	ON	ON	ON
033	OFF	OFF	ON	OFF	OFF	OFF	OFF
035	OFF	OFF	ON	OFF	OFF	OFF	ON
037	OFF	OFF	ON	OFF	OFF	ON	OFF
039	OFF	OFF	ON	OFF	OFF	ON	ON
041	OFF	OFF	ON	OFF	ON	OFF	OFF
043	OFF	OFF	ON	OFF	ON	OFF	ON
045	OFF	OFF	ON	OFF	ON	ON	OFF
047	OFF	OFF	ON	OFF	ON	ON	ON
049	OFF	OFF	ON	ON	OFF	OFF	OFF
051	OFF	OFF	ON	ON	OFF	OFF	ON
053	OFF	OFF	ON	ON	OFF	ON	OFF
055	OFF	OFF	ON	ON	OFF	ON	ON

CHART 2 (continued on next page)

Special Vend A Day Value Chart "SPA" (Continued)

"SPA" VALUE	SAT	FRI	THUR	WED	TUE	MON	SUN
057	OFF	OFF	ON	ON	ON	OFF	OFF
059	OFF	OFF	ON	ON	ON	OFF	ON
061	OFF	OFF	ON	ON	ON	ON	OFF
063	OFF	OFF	ON	ON	ON	ON	ON
065	OFF	ON	OFF	OFF	OFF	OFF	OFF
067	OFF	ON	OFF	OFF	OFF	OFF	ON
069	OFF	ON	OFF	OFF	OFF	ON	OFF
071	OFF	ON	OFF	OFF	OFF	ON	ON
073	OFF	ON	OFF	OFF	ON	OFF	OFF
075	OFF	ON	OFF	OFF	ON	OFF	ON
077	OFF	ON	OFF	OFF	ON	ON	OFF
079	OFF	ON	OFF	OFF	ON	ON	ON
081	OFF	ON	OFF	ON	OFF	OFF	OFF
083	OFF	ON	OFF	ON	OFF	OFF	ON
085	OFF	ON	OFF	ON	OFF	ON	OFF
087	OFF	ON	OFF	ON	OFF	ON	ON
089	OFF	ON	OFF	ON	ON	OFF	OFF
091	OFF	ON	OFF	ON	ON	OFF	ON
093	OFF	ON	OFF	ON	ON	ON	OFF
095	OFF	ON	OFF	ON	ON	ON	ON
097	OFF	ON	ON	OFF	OFF	OFF	OFF
099	OFF	ON	ON	OFF	OFF	OFF	ON
101	OFF	ON	ON	OFF	OFF	ON	OFF
103	OFF	ON	ON	OFF	OFF	ON	ON
105	OFF	ON	ON	OFF	ON	OFF	OFF
107	OFF	ON	ON	OFF	ON	OFF	ON
109	OFF	ON	ON	OFF	ON	OFF	OFF
111	OFF	ON	ON	OFF	ON	ON	ON
113	OFF	ON	ON	ON	OFF	OFF	OFF
115	OFF	ON	ON	ON	OFF	OFF	ON
117	OFF	ON	ON	ON	OFF	ON	OFF
119	OFF	ON	ON	ON	OFF	ON	ON
121	OFF	ON	ON	ON	ON	OFF	OFF
123	OFF	ON	ON	ON	ON	OFF	ON
125	OFF	ON	ON	ON	ON	ON	OFF
127	OFF	ON	ON	ON	ON	ON	ON

CHART 2 (continued on next page)

Special Vend A Day Value Chart "SPA" (Continued)

"SPA" VALUE	SAT	FRI	THUR	WED	TUE	MON	SUN
129	ON	OFF	OFF	OFF	OFF	OFF	OFF
131	ON	OFF	OFF	OFF	OFF	OFF	ON
133	ON	OFF	OFF	OFF	OFF	ON	OFF
135	ON	OFF	OFF	OFF	OFF	ON	ON
137	ON	OFF	OFF	OFF	ON	OFF	OFF
139	ON	OFF	OFF	OFF	ON	OFF	ON
141	ON	OFF	OFF	OFF	ON	ON	OFF
143	ON	OFF	OFF	OFF	ON	ON	ON
145	ON	OFF	OFF	ON	OFF	OFF	OFF
147	ON	OFF	OFF	ON	OFF	OFF	ON
149	ON	OFF	OFF	ON	OFF	ON	OFF
151	ON	OFF	OFF	ON	OFF	ON	ON
153	ON	OFF	OFF	ON	ON	OFF	OFF
155	ON	OFF	OFF	ON	ON	OFF	ON
157	ON	OFF	OFF	ON	ON	ON	OFF
159	ON	OFF	OFF	ON	ON	ON	ON
161	ON	OFF	ON	OFF	OFF	OFF	OFF
163	ON	OFF	ON	OFF	OFF	OFF	ON
165	ON	OFF	ON	OFF	OFF	ON	OFF
167	ON	OFF	ON	OFF	OFF	ON	ON
169	ON	OFF	ON	OFF	ON	OFF	OFF
171	ON	OFF	ON	OFF	ON	OFF	ON
173	ON	OFF	ON	OFF	ON	ON	OFF
175	ON	OFF	ON	OFF	ON	ON	ON
177	ON	OFF	ON	ON	OFF	OFF	OFF
179	ON	OFF	ON	ON	OFF	OFF	ON
181	ON	OFF	ON	ON	OFF	ON	OFF
183	ON	OFF	ON	ON	OFF	ON	ON
185	ON	OFF	ON	ON	ON	OFF	OFF
187	ON	OFF	ON	ON	ON	OFF	ON
189	ON	OFF	ON	ON	ON	ON	OFF
191	ON	OFF	ON	ON	ON	ON	ON
193	ON	ON	OFF	OFF	OFF	OFF	OFF
195	ON	ON	OFF	OFF	OFF	OFF	ON
197	ON	ON	OFF	OFF	OFF	ON	OFF
199	ON	ON	OFF	OFF	OFF	ON	ON

CHART 2 (continued on next page)

Special Vend A Day Value Chart "SPA" (Continued)

"SPA" VALUE	SAT	FRI	THUR	WED	TUE	MON	SUN
201	ON	ON	OFF	OFF	ON	OFF	OFF
203	ON	ON	OFF	OFF	ON	OFF	ON
205	ON	ON	OFF	OFF	ON	ON	OFF
207	ON	ON	OFF	OFF	ON	ON	ON
209	ON	ON	OFF	ON	OFF	OFF	OFF
211	ON	ON	OFF	ON	OFF	OFF	ON
213	ON	ON	OFF	ON	OFF	ON	OFF
215	ON	ON	OFF	ON	OFF	ON	ON
217	ON	ON	OFF	ON	ON	OFF	OFF
219	ON	ON	OFF	ON	ON	OFF	ON
221	ON	ON	OFF	ON	ON	ON	OFF
223	ON	ON	OFF	ON	ON	ON	ON
225	ON	ON	ON	OFF	OFF	OFF	OFF
227	ON	ON	ON	OFF	OFF	OFF	ON
229	ON	ON	ON	OFF	OFF	ON	OFF
231	ON	ON	ON	OFF	OFF	ON	ON
233	ON	ON	ON	OFF	ON	OFF	OFF
235	ON	ON	ON	OFF	ON	OFF	ON
237	ON	ON	ON	OFF	ON	ON	OFF
239	ON	ON	ON	OFF	ON	ON	ON
241	ON	ON	ON	ON	OFF	OFF	OFF
243	ON	ON	ON	ON	OFF	OFF	ON
245	ON	ON	ON	ON	OFF	ON	OFF
247	ON	ON	ON	ON	OFF	ON	ON
249	ON	ON	ON	ON	ON	OFF	OFF
251	ON	ON	ON	ON	ON	OFF	ON
253	ON	ON	ON	ON	ON	ON	OFF
255	ON	ON	ON	ON	ON	ON	ON

CHART 2 (END)

4. Special Vend A, Normal Price “AnP”

This option allows the user to set the heated cycle (LOW TEMP, MED TEMP, HIGH TEMP) vend pricing for Special Vend A.

In this option the user will set the number of coins needed to satisfy the vend price.

NOTE: This option is directly related to option 20 (Coin Value “COI”). If the coin value is set for U.S. currency, and the coin drop accepts only quarters, the coin value should be set for “025.” Therefore, each time a quarter is entered into the coin drop, the vend price will decrease 25 cents.

How to Set the Special Vend A Normal Price

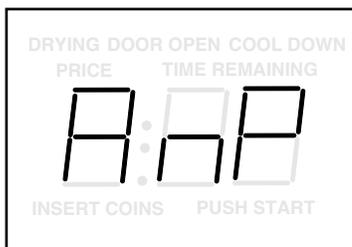
1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 18*.



C146IE1A

Figure 18

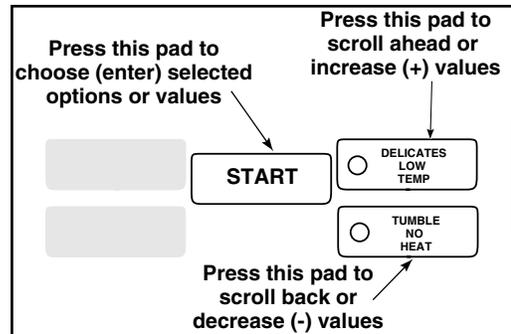
3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “AnP” appears in the VFD, *Figure 19*.



C150IE1A

Figure 19

4. When “AnP” appears in the VFD, press the START pad. The current number of coins required to fulfill the Special Vend A normal price will appear in the VFD.
5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current number of coins displayed in the VFD to the desired number of coins, *Figure 20*.



C147IE1A

Figure 20

6. When the correct number of coins appears in the VFD, press the START pad to enter the corrected number. The next programmable option, “AFP,” will appear in the VFD.

NOTE: To program “AFP” (Special Vend A NO HEAT Price), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

5. Special Vend A, NO HEAT Price “AFP”

This option allows the user to set the NO HEAT cycle price for Special Vend A.

In this option the user will set the number of coins needed to satisfy the NO HEAT vend price.

NOTE: This option is directly related to option 20 (Coin Value “COI”). If the coin value is set for U.S. currency, and the coin drop accepts only quarters, the coin value should be set for “025.” Therefore, each time a quarter is entered into the coin drop, the vend price will decrease 25 cents.

How to Set the Special Vend A NO HEAT Price

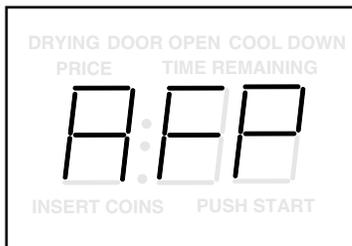
1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 21*.



C146IE1A

Figure 21

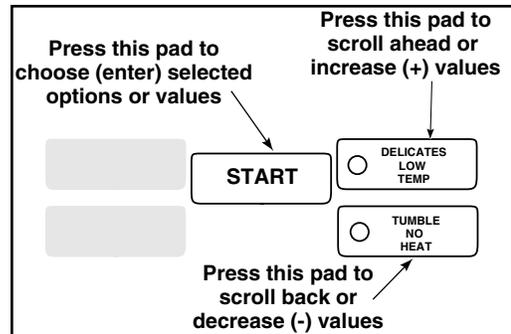
3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “AFP” appears in the VFD, *Figure 22*.



C151IE1A

Figure 22

4. When “AFP” appears in the VFD, press the START pad. The current number of coins required to fulfill the Special Vend A NO HEAT price will appear in the VFD.
5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current number of coins displayed in the VFD to the desired number of coins, *Figure 23*.



C147IE1A

Figure 23

6. When the correct number of coins appears in the VFD, press the START pad to enter the correct number. The next programmable option, “AnL,” will appear in the VFD.

NOTE: To program “AnL” (Special Vend A Normal Time), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

6. Special Vend A, Normal Time “AnL”

This option allows the user to set the normal (heated cycle) time for Special Vend A.

How to Program the Special Vend A Normal Time “AnL”

1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 24*.



C146IE1A

Figure 24

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “AnL” appears in the VFD, *Figure 25*.

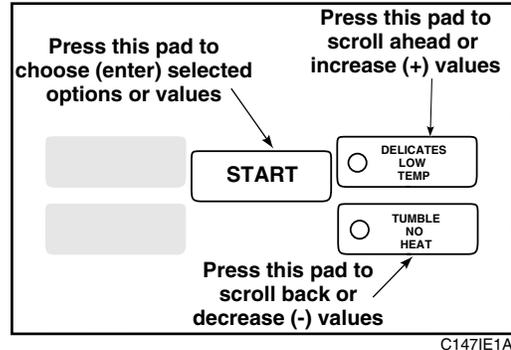


C152IE1A

Figure 25

4. When “AnL” appears in the VFD, press the START pad. The current number of minutes in a cycle will appear in the VFD.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the number of minutes displayed in the VFD to the desired number of minutes, *Figure 26*.



C147IE1A

Figure 26

6. When the correct number of minutes appears in the VFD, press the START pad to enter the corrected number. The next programmable option, “AFL,” will appear in the VFD.

NOTE: To program “AFL” (Special Vend A NO HEAT Time), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

7. Special Vend A, NO HEAT Time “AFL”

This option allows the user to set the time for the NO HEAT cycle in Special Vend A.

How to Program Special Vend A NO HEAT Time “AFL”

1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 27*.



C146IE1A

Figure 27

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “AFL” appears in the VFD, *Figure 28*.

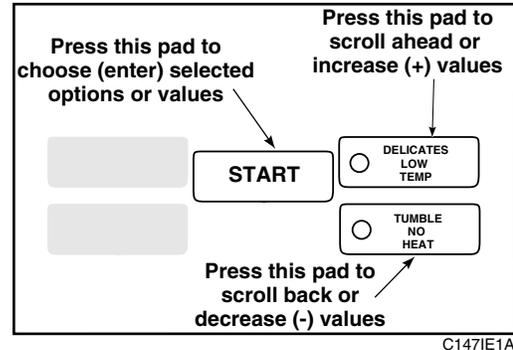


C153IE1A

Figure 28

4. When “AFL” appears in the VFD, press the START pad. The current number of minutes in a NO HEAT cycle will appear in the VFD.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current number of minutes to the desired number of minutes, *Figure 29*.



C147IE1A

Figure 29

6. When the correct number of minutes appears in the VFD, press the START pad to enter the corrected number. The next programmable option, “ASH,” will appear in the VFD.

NOTE: To program “ASH” (Special Vend A Start Hour), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

8. Special Vend A, Start Hour “ASH”

This option allows the user to set the hour that Special Vend A will begin. The start and end hour programmed for a special vend must be within the same day.

How to Program Special Vend A Start Hour “ASH”

1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 30*.



C146IE1A

Figure 30

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “ASH” appears in the VFD, *Figure 31*.

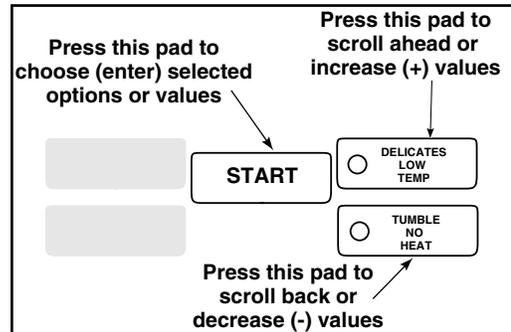


C154IE1A

Figure 31

4. When “ASH” appears in the VFD, press the START pad. The current start hour (in military time) will appear in the VFD.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current hour to the desired hour, *Figure 32*.



C147IE1A

Figure 32

6. When the correct hour appears in the VFD, press the START pad to enter the corrected hour. The next programmable option, “AEH,” will appear in the VFD.

NOTE: To program “AEH” (Special Vend A End Hour), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

9. Special Vend A, End Hour “AEH”

This option allows the user to set the hour that Special Vend A will end. The start and end hour programmed for a special vend must be within the same day.

How to Program Special Vend A End Hour “AEH”

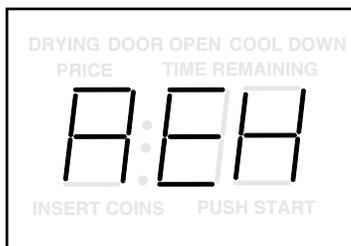
- Control must be in Special Mode. Refer to Section VII.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 33*.



C146IE1A

Figure 33

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “AEH” appears in the VFD, *Figure 34*.

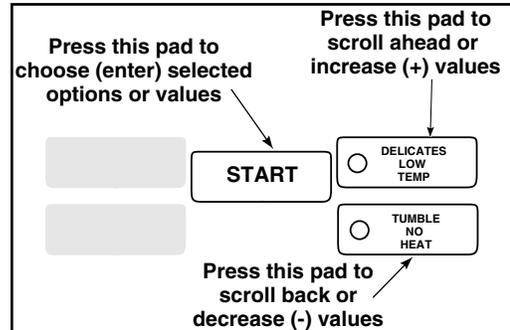


C155IE1A

Figure 34

- When “AEH” appears in the VFD, press the START pad. The current end hour (in military time) will appear in the VFD.

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current end hour to the desired end hour, *Figure 35*.



C147IE1A

Figure 35

- When the correct end hour appears in the VFD, press the START pad to enter the corrected end hour. The next programmable option, “nCL,” will appear in the VFD.

NOTE: To program “nCL” (Normal Cycle HIGH, MED, LOW Time), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

- Be sure service door has been opened and closed. Refer to Section VI.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

10. Normal Cycle (HIGH, MED, LOW) Time “nCL”

This option allows the user to set the normal (heated cycle) time.

How to Program Normal Time “nCL”

- Control must be in Special Mode. Refer to Section VII.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 36*.



C146IE1A

Figure 36

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “nCL” appears in the VFD, *Figure 37*.

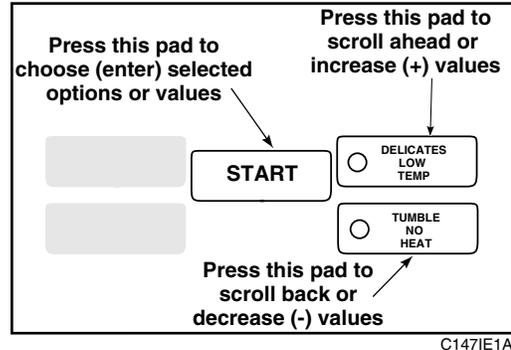


C156IE1A

Figure 37

- When “nCL” appears in the VFD, press the START pad. The current number of minutes set for the normal cycle time will appear in the VFD.

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current number of minutes to the desired number of minutes, *Figure 38*.



C147IE1A

Figure 38

- When the correct number of minutes appears in the VFD, press the START pad to enter the corrected number. The next programmable option, “HCL,” will appear in the VFD.

NOTE: To program “HCL” (HIGH TEMP Cool Down Time), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

- Be sure service door has been opened and closed. Refer to Section VI.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

11. HIGH TEMP Cool Down Time “HCL”

This option allows the user to set the amount of cool down time allowed in the HIGH TEMP cycle. It is recommended to set the cool down time for more than three minutes.

How to Program HIGH TEMP Cool Down Time “HCL”

- Control must be in Special Mode. Refer to Section VII.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 39*.



C146IE1A

Figure 39

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “HCL” appears in the VFD, *Figure 40*.

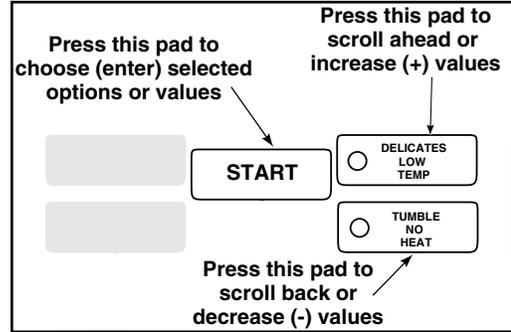


C157IE1A

Figure 40

- When “HCL” appears in the VFD, press the START pad. The current number of minutes of Cool Down will display in the VFD.

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current number of minutes allowed in Cool Down, *Figure 41*.



C147IE1A

Figure 41

- When the correct number of minutes appears in the VFD, press the START pad to enter the corrected number. The next programmable option, “HdE,” will appear in the VFD.

NOTE: To program “HdE” (HIGH TEMP Temperature), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

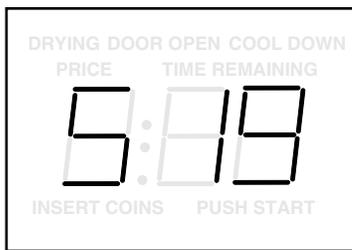
- Be sure service door has been opened and closed. Refer to Section VI.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

12. HIGH TEMP Temperature “HdE”

This option allows the user to set the maximum temperature in the HIGH TEMP cycle.

How to Program HIGH TEMP Temperature “HdE”

- Control must be in Special Mode. Refer to Section VII.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 42*.



C146IE1A

Figure 42

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “HdE” appears in the VFD, *Figure 43*.



C158IE1A

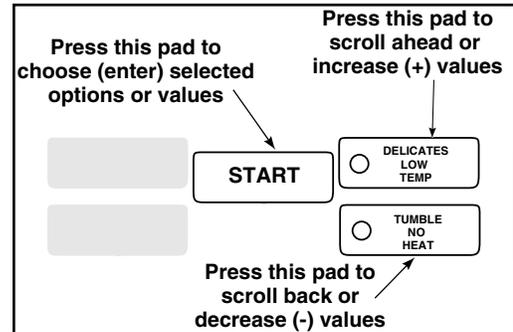
Figure 43

- When “HdE” appears in the VFD, press the START pad. A three-digit number will appear in the VFD.

NOTE: The number appearing in the VFD is the current number that was selected from *Chart 3* on this page.

- Locate the desired three-digit number in the first column of *Chart 3*.

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current three-digit number displayed in the VFD to the desired three-digit number in *Chart 3, Figure 44*.



C147IE1A

Figure 44

- Press the START pad when the correct three-digit number appears in the VFD. The next programmable option, “PCL,” will appear in the VFD.

NOTE: To program “PCL” (MED TEMP Temperature), see the following page. To program other options, refer to the appropriate section.

HIGH TEMP Temperature “HdE”

HIGH TEMPERATURE VALUE CHART		
VALU	FAHRENHHEIT TEMP	CELSIUS TEMP
000	130°F	54°C
001	135°F	57°C
002	140°F	60°C
003	145°F	63°C
004	150°F	66°C
005	155°F	68°C
006	160°F	71°C

CHART 3

How to Exit Programming Feature

- Be sure service door has been opened and closed. Refer to Section VI.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

13. MED TEMP Cool Down Time “PCL”

This option allows the user to set the amount of cool down time allowed in the MED TEMP cycle. It is recommended to set the cool down time for more than three minutes.

How to Program MED TEMP Cool Down Time “PCL”

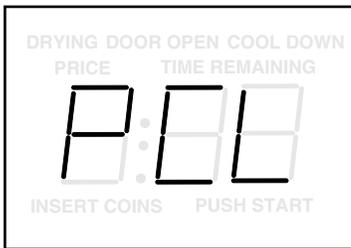
- Control must be in Special Mode. Refer to Section VII.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 45*.



C146IE1A

Figure 45

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “PCL” appears in the VFD, *Figure 46*.

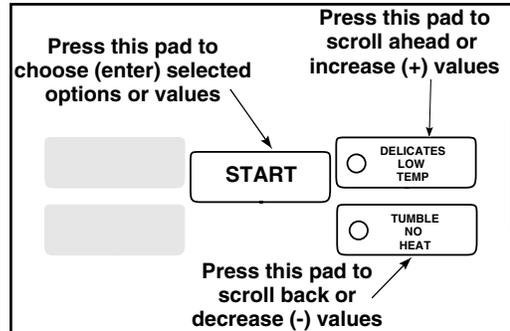


C159IE1A

Figure 46

- When “PCL” appears in the VFD, press the START pad. The current number of minutes of Cool Down will display in the VFD.

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current number of minutes allowed in Cool Down, *Figure 47*.



C147IE1A

Figure 47

- When the correct number of minutes appears in the VFD, press the START pad to enter the corrected number. The next programmable option, “PdE,” will appear in the VFD.

NOTE: To program “PdE” (MED TEMP Temperature), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

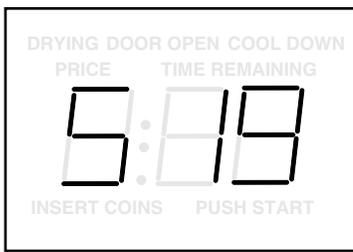
- Be sure service door has been opened and closed. Refer to Section VI.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

14. MED TEMP Temperature “PdE”

This option allows the user to set the maximum temperature in the MED TEMP cycle.

How to Program MED TEMP Temperature “PdE”

1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 48*.



C146IE1A

Figure 48

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “PdE” appears in the VFD, *Figure 49*.



C160IE1A

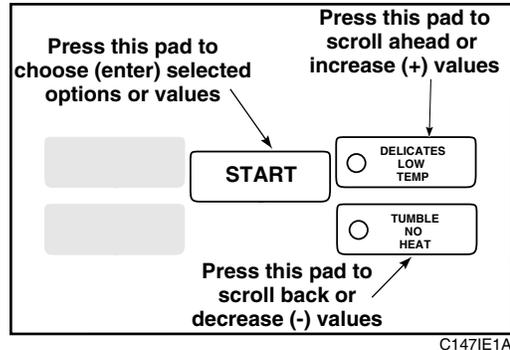
Figure 49

4. When “PdE” appears in the VFD, press the START pad. A three-digit number will appear in the VFD.

NOTE: The number appearing in the VFD is the current number that was selected from *Chart 4* on this page.

5. Locate the desired three-digit number in the first column of *Chart 4*.

6. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current three-digit number to the desired three-digit number from *Chart 4*, *Figure 50*.



C147IE1A

Figure 50

7. Press the START pad when the correct three-digit number appears in the VFD. The next programmable option “LCL” will appear in the VFD.

NOTE: To program “LCL” (LOW TEMP Cool Down Time), see the following page. To program other options, refer to the appropriate section.

MED TEMP Temperature “PdE”

MED TEMPERATURE VALUE CHART		
VALU	FAHRENHHEIT TEMP	CELSIUS TEMP
000	130°F	54°C
001	135°F	57°C
002	140°F	60°C
003	145°F	63°C
004	150°F	66°C
005	155°F	68°C
006	160°F	71°C

CHART 4

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

15. LOW TEMP Cool Down Time “LCL”

This option allows the user to set the amount of cool down time allowed in the LOW TEMP cycle. It is recommended to set the cool down time for more than three minutes.

How to Program LOW TEMP Cool Down Time “LCL”

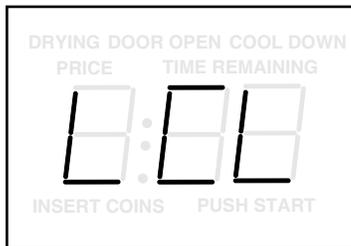
1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 51*.



C146IE1A

Figure 51

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “LCL” appears in the VFD, *Figure 52*.

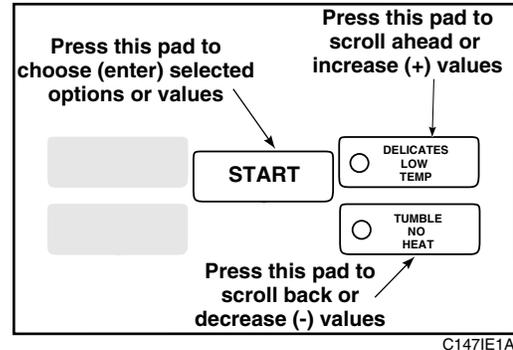


C161IE1A

Figure 52

4. When “LCL” appears in the VFD, press the START pad. The current number of minutes of Cool Down will display in the VFD.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current number of minutes allowed in Cool Down, *Figure 53*.



C147IE1A

Figure 53

6. When the correct number of minutes appears in the VFD, press the START pad to enter the corrected number. The next programmable option, “LdE,” will appear in the VFD.

NOTE: To program “LdE” (LOW TEMP Temperature), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

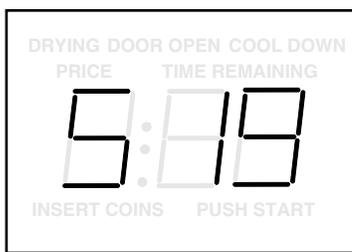
1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

16. LOW TEMP Temperature “LdE”

This option allows the user to set the maximum temperature in the LOW TEMP cycle.

How to Program LOW TEMP Temperature “LdE”

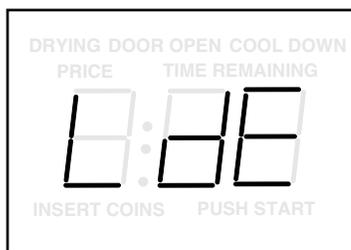
- Control must be in Special Mode. Refer to Section VII.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 54*.



C146IE1A

Figure 54

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “LdE” appears in the VFD, *Figure 55*.



C162IE1A

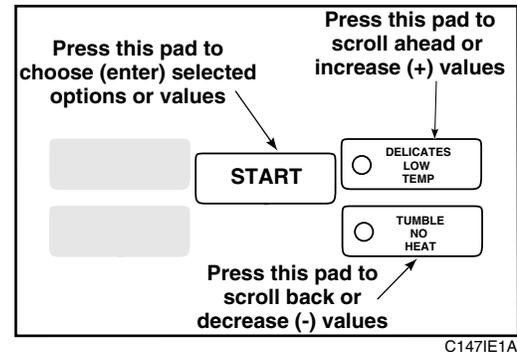
Figure 55

- When “LdE” appears in the VFD, press the START pad. A three-digit number will appear in the VFD.

NOTE: The number appearing in the VFD is the current number that was selected from *Chart 5* on this page.

- Locate the desired three-digit number in the first column of *Chart 5*.

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current three-digit number to the desired three-digit number from *Chart 5, Figure 56*.



C147IE1A

Figure 56

- Press the START pad when the correct three-digit number appears in the VFD. The next programmable option, “Add,” will appear in the VFD.

NOTE: To program “Add” (Additional Time), see the following page. To program other options, refer to the appropriate section.

LOW TEMP Temperature “LdE”

LOW TEMPERATURE VALUE CHART		
VALU	FAHRENHHEIT TEMP	CELSIUS TEMP
000	100°F	38°C
001	105°F	41°C
002	110°F	43°C
003	115°F	46°C
004	120°F	49°C
005	125°F	52°C
006	130°F	54°C

CHART 5

How to Exit Programming Feature

- Be sure service door has been opened and closed. Refer to Section VI.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

17. Additional Time “Add”

This option allows the user to set the amount of time that is added to a cycle whenever additional coin(s) are entered after the vend price has been satisfied.

How to Program Additional Time “Add”

1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 57*.



C146IE1A

Figure 57

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “Add” appears in the VFD, *Figure 58*.



C163IE1A

Figure 58

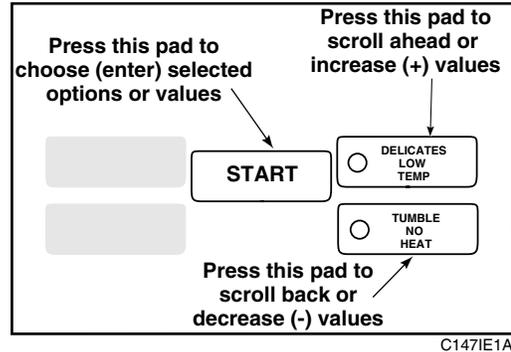
4. When “Add” appears in the VFD, press the START pad. A three-digit number will appear in the VFD.

NOTE: The number appearing in the VFD is the current number that was previously selected from *Chart 6* on the following page.

5. Locate the desired three-digit number in the first column of *Chart 6* on the following page.

NOTE: To determine the three-digit number to enter in the following step, refer to “How to Use This Chart” for *Chart 6* on the following page.

6. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current three-digit number to the desired three-digit number from *Chart 6, Figure 59*.



C147IE1A

Figure 59

7. Press the START pad when the correct three-digit number appears in the VFD. The next programmable option, “FPr,” will appear in the VFD.

NOTE: To program “FPr” (NO HEAT Vend Price), see option 18. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

How to Read *Chart 6*

Use this chart to set the amount of time to be added to a cycle for each coin entered after the vend price has been satisfied.

The chart range begins at 127 and ends at 255. The lowest range (127) turns off the option. If (127) is entered, the entire vend price will be required for any

additional drying. If (128) is entered in step 6, **NO** additional time will be added when additional coins are entered. If (129) is entered in step 6, 1 minute will be added to the cycle when an additional coin is entered. If (130) is entered, two minutes will be added and so on for a maximum of (255) or 127 minutes.

Added Time Value Chart "Add"

NUMBER TO ENTER IN STEP 6	MINUTES ADDED PER COIN ENTERED
127	Turned OFF
128	NONE
129	1 minute
130	2 minutes
131	3 minutes
132	4 minutes
133	5 minutes
... add one minute for every number up to	
255	127 minutes

CHART 6

18. NO HEAT Vend Price “FPr”

This option allows the user to set the NO HEAT cycle vend price.

NOTE: This option is directly related to option 20 (Coin Value “COI”). If the coin value is set for U.S. currency, and the coin drop accepts only quarters, the coin value should be set for “025.” Therefore, each time a quarter is entered into the coin drop, the vend price will decrease 25 cents.

How to Set the NO HEAT Vend Price

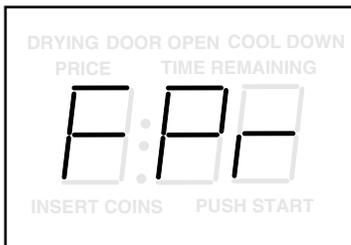
1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 60*.



C146IE1A

Figure 60

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “FPr” appears in the VFD, *Figure 61*.

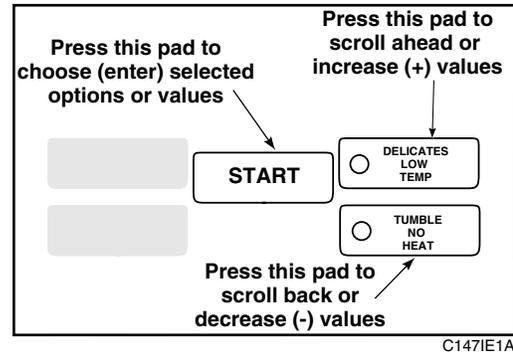


C164IE1A

Figure 61

4. When “FPr” appears in the VFD, press the START pad. The current number of coins required to fulfill the NO HEAT vend price will appear in the VFD.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current number of coins displayed in the VFD to the desired number of coins, *Figure 62*.



C147IE1A

Figure 62

6. When the correct number of coins appears in the VFD, press the START pad to enter the corrected number. The next programmable option “FCL” will appear in the VFD.

NOTE: To program “FCL” (NO HEAT Cycle Time), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

19. NO HEAT Cycle Time “FCL”

This option allows the user to set the time for the NO HEAT cycle.

How to Program the NO HEAT Time “FCL”

1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Stg”) will appear in the VFD, *Figure 63*.



C146IE1A

Figure 63

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “FCL” appears in the VFD, *Figure 64*.

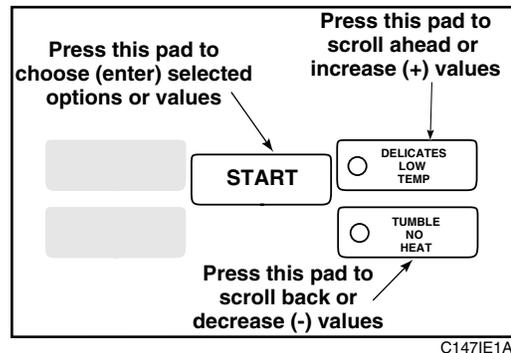


C165IE1A

Figure 64

4. When “FCL” appears in the VFD, press the START pad. The current number of minutes for the NO HEAT cycle will appear in the VFD.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current number of minutes to the desired number of minutes, *Figure 65*.



C147IE1A

Figure 65

6. When the correct number of minutes appears in the VFD, press the START pad to enter the corrected number. The next programmable option, “COI,” will appear in the VFD.

NOTE: To program “COI” (Coin Value), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

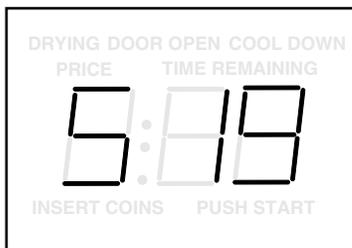
20. Coin Value “COI”

This option allows the user to set a specific numerical value for a coin entered. For example, in the United States the coin value for one quarter would be measured in cents (25). Therefore, the coin value entered for one quarter would be 025.

If the Normal Vend Price (option 2) is set for 3 coins, the Coin Value is set for “025,” and the decimal point is turned on, the vend price for a normal heated cycle will be “.75.”

How to Program the Coin Value “COI”

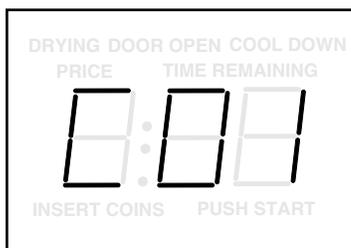
1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 66*.



C146IE1A

Figure 66

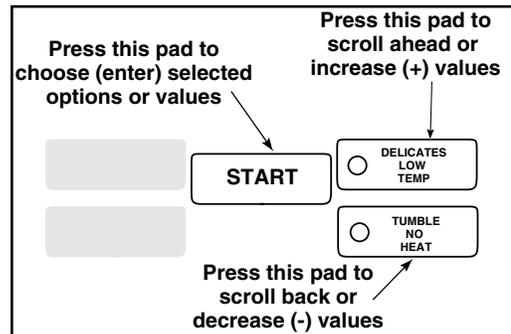
3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “COI” appears in the VFD, *Figure 67*.



C166IE1A

Figure 67

4. When “COI” appears in the VFD, press the START pad **twice**. The current coin value will appear in the VFD.
5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current coin value to the desired amount, *Figure 68*.



C147IE1A

Figure 68

6. When the correct coin value appears in the VFD, press the START pad to enter the corrected number. The next programmable option, “dCS,” will appear in the VFD.

NOTE: To program “dCS” (Default Cycle Status), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

21. Default Cycle Status “dCS”

This option allows the user to set the default cycle the machine will enter when in “Ready” mode. When programming the default cycle refer to *Chart 7* on this page.

How to Program the Default Cycle Status “dCS”

- Control must be in Special Mode. Refer to Section VII.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Stg”) will appear in the VFD, *Figure 69*.



C146IE1A

Figure 69

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “dCS” appears in the VFD, *Figure 70*.



C167IE1A

Figure 70

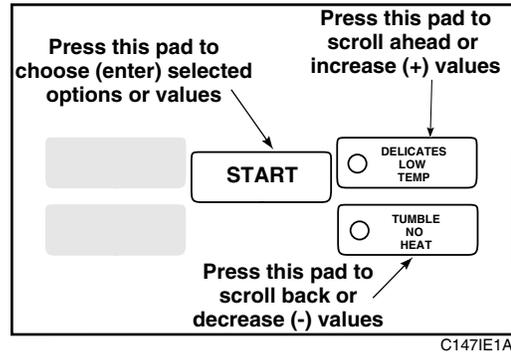
- When “dCS” appears in the VFD, press the START pad. A three-digit number will appear in the VFD.

NOTE: The number appearing in the VFD is the current number that was previously selected from *Chart 7* on this page.

- Locate the desired three-digit number in the first column of *Chart 7*.

NOTE: To determine the three-digit number to enter in the following step, refer to *Chart 7* at the bottom of the page.

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current three-digit number to the desired three-digit number selected from *Chart 7*, *Figure 71*.



C147IE1A

Figure 71

- Press the START pad when the correct three-digit number appears in the VFD. The next programmable option, “rPF,” will appear in the VFD.

NOTE: To program “rPF” (Reset After Power Failure), see the following page. To program other options, refer to the appropriate section.

NUMBER TO ENTER IN STEP 6	DEFAULT CYCLE
001	Tumble - NO HEAT
002	Delicates - LOW TEMP
004	Perm Press - MED TEMP
008	Normal - HIGH TEMP

CHART 7

How to Exit Programming Feature

- Be sure service door has been opened and closed. Refer to Section VI.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

22. Power Fail Reset “rPF”

This option allows the user to set the amount of time the Electronic Control will store active cycle information in the event of a power failure. The default settings for Power Fail Reset is five minutes.

How to Program the Power Fail Reset “rPF”

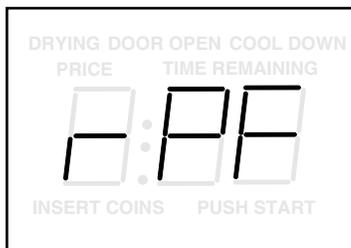
1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Stg”) will appear in the VFD, *Figure 72*.



C146IE1A

Figure 72

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “rPF” appears in the VFD, *Figure 73*.



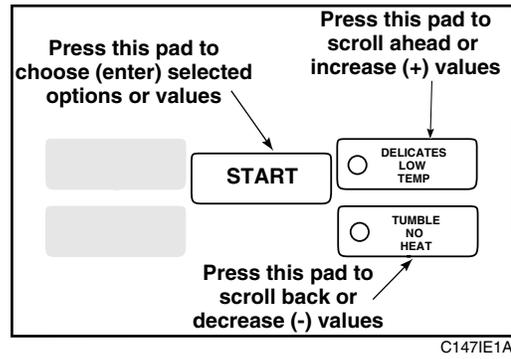
C168IE1A

Figure 73

4. When “rPF” appears in the VFD, press the START pad. A three-digit number will appear in the VFD.

NOTE: The number appearing in the VFD is the current number that was previously selected from *Chart 8* on the next page. The default setting 005 will show in the VFD, which is equal to five minutes with Power Fail Reset OFF.

5. Locate the desired three-digit number in the first column of *Chart 8*.
6. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current three-digit number to the desired three-digit number selected from *Chart 8, Figure 74*.



C147IE1A

Figure 74

7. Press the START pad when the correct three-digit number appears in the VFD. The next programmable option, “CFg,” will appear in the VFD.

NOTE: To program “CFg” (Control Configuration), see option 23. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

How to Read *Chart 8*

Use this chart to set the amount of time for Power Fail Reset.

The chart range begins at 0 and ends at 255. Numbers entered between 0-127 turn off the option. If a number in this range is entered, the current cycle status will be saved for up to six years. When power is restored, the cycle will begin where it was interrupted. If (128) is entered in step 6, cycle

information will not be saved if power fails. If (129) is entered in step 6, the current cycle will be saved in the Electronic Control for up to one minute. If power is not restored within one minute, the control will revert back to “Ready” mode when power is restored. If (130) is entered, two minutes will be added to Power Fail Reset and so on for a maximum of (255) or 127 minutes.

Power Fail Reset “rPF”

NUMBER TO ENTER IN STEP 6	POWER FAIL RESET TIME
000 - 127	Turned OFF Cycle will be saved for a minimum of six years
128	Cycle information will not be saved
129	1 minute without power before cycle is lost
130	2 minutes without power before cycle is lost
131	3 minutes without power before cycle is lost
132	4 minutes without power before cycle is lost
133	5 minutes without power before cycle is lost
... add one minute for every number up to	
255	127 minutes without power before cycle is lost

CHART 8

23. Control Configuration “CFg”

This option allows the user to enable or disable preprogrammed capabilities within the Electronic Control.

How to Program the Control Configuration “CFg”

1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 75*.



C146IE1A

Figure 75

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “CFg” appears in the VFD, *Figure 76*.



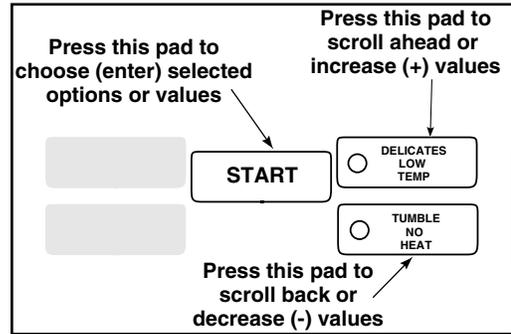
C169IE1A

Figure 76

4. When “CFg” appears in the VFD, press the START pad. A three-digit number will appear in the VFD.

NOTE: The number appearing in the VFD is the current number that was previously selected from *Chart 9* on the following page.

5. Locate the desired three-digit number in the first column of *Chart 9*.
6. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the current three-digit number to the desired three-digit number selected from *Chart 9, Figure 77*.



C147IE1A

Figure 77

7. Press the START pad when the correct three-digit number appears in the VFD. The next programmable option, “Cln,” will appear in the VFD.

NOTE: To program “Cln” (Set Real-Time Clock Minutes), see option 24. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

How to Read *Chart 9*

The configuration option (*Chart 9*) is used to enable/disable the preprogrammed daylight savings option, Fahrenheit/Celsius option, infrared access option, decimal option, and the automatic collect option in the Electronic Control. To change any or all of these

configuration options, review the following descriptions carefully and choose the appropriate configuration value in *Chart 9*. Next, enter the appropriate value in step 6 on the previous page.

Daylight Savings This option automatically sets the clock in the Electronic Control to account for the time change during Daylight Savings.

OFF = Turns off the automatic daylight savings option programmed in the Electronic Control.

ON = Turns on the automatic daylight savings option programmed in the Electronic Control.

Fahrenheit/Celsius This option determines if temperatures will be displayed in Celsius or Fahrenheit

F = Temperature readings will be displayed in Fahrenheit.

C = Temperature readings will be displayed in Celsius.

Infra-red Access This option determines if a Micro-Wand can access or program the Electronic Control.

OFF = Turns off the infra-red access by the Micro-Wand.

ON = Turns on the infra-red access by the Micro-Wand.

Decimal Point This option determines if a decimal point is used when displaying the vend price.

For example: Machines using token currency may choose to remove the decimal point.

OFF = Turns off the decimal point from appearing in the VFD.

ON = Turns on the decimal point to appear in the VFD.

Automatic Collect This option will determine if audit information may be automatically collected by a Micro-Wand. When programming the cycle parameters in the dryer control with the Micro-Wand, the Micro-Wand will automatically collect the audit information if Automatic Collect is turned ON. This is done so the audit information will remain accurate even with vend price changes. If Automatic Collect is turned OFF, the Micro-Wand user will not access private audit information when programming the dryer.

OFF = Turns off the ability of the Micro-Wand to collect audit information when programming the machine.

ON = Allows the Micro-Wand to automatically collect audit information when programming the machine.

Configuration Value Chart “CFg”

Configuratio Value	Daylight Savings	Fahrenhei Celsius	Infra-red Access	Decim Point	Automatic Collect
000	OFF	F	OFF	OFF	ON
001	OFF	F	OFF	OFF	OFF
008	OFF	F	OFF	ON	ON
009	OFF	F	OFF	ON	OFF
016	OFF	F	ON	OFF	ON
017	OFF	F	ON	OFF	OFF
024	OFF	F	ON	ON	ON
025	OFF	F	ON	ON	OFF
064	OFF	C	OFF	OFF	ON
065	OFF	C	OFF	OFF	OFF
072	OFF	C	OFF	ON	ON
073	OFF	C	OFF	ON	OFF
080	OFF	C	ON	OFF	ON
081	OFF	C	ON	OFF	OFF
088	OFF	C	ON	ON	ON
089	OFF	C	ON	ON	OFF

Configuratio Value	Daylight Savings	Fahrenhei Celsius	Infra-red Access	Decim Point	Automatic Collect
128	ON	F	OFF	OFF	ON
129	ON	F	OFF	OFF	OFF
136	ON	F	OFF	ON	ON
137	ON	F	OFF	ON	OFF
144	ON	F	ON	OFF	ON
145	ON	F	ON	OFF	OFF
152	ON	F	ON	ON	ON
153	ON	F	ON	ON	OFF
192	ON	C	OFF	OFF	ON
193	ON	C	OFF	OFF	OFF
200	ON	C	OFF	ON	ON
201	ON	C	OFF	ON	OFF
208	ON	C	ON	OFF	ON
209	ON	C	ON	OFF	OFF
216	ON	C	ON	ON	ON
217	ON	C	ON	ON	OFF

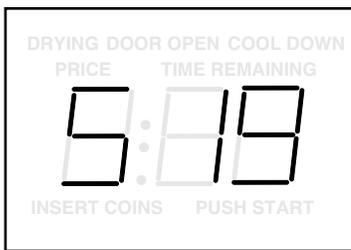
CHART 9

24. Set Real-Time Clock (minutes) “CIn”

This option allows the user to set the Electronic Control’s internal clock to the correct time in minutes.

How to Program Set Real-Time Clock (minutes) “CIn”

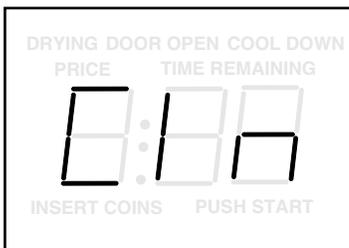
1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 78*.



C146IE1A

Figure 78

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “CIn” appears in the VFD, *Figure 79*.

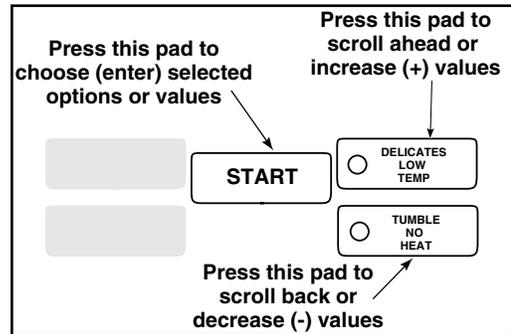


C170IE1A

Figure 79

4. When “CIn” appears in the VFD, press the START pad. The current time in minutes will be displayed.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the minutes to the correct time, *Figure 80*.



C147IE1A

Figure 80

6. When the correct time in minutes appears in the VFD, press the START pad to enter the corrected time. The next programmable option, “CHr,” will appear in the VFD.

NOTE: To program “CHr” (Set Real-Time Clock Hours), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

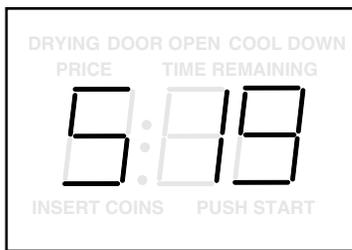
1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

25. Set Real-Time Clock (hours) “CHr”

This option allows the user to set the Electronic Control’s internal clock to the correct time in hours.

How to Program Set Real-Time Clock (hours) “CHr”

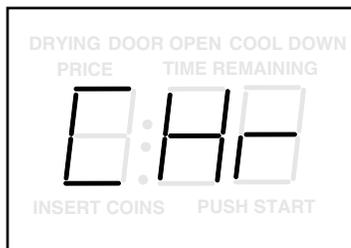
1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 81*.



C146IE1A

Figure 81

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “CHr” appears in the VFD, *Figure 82*.



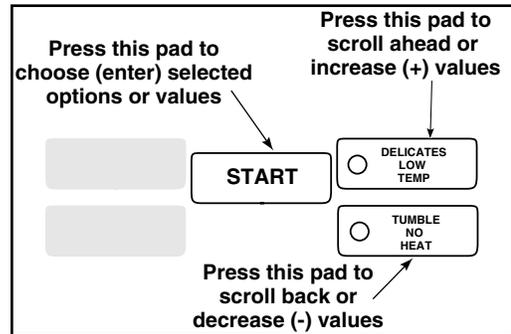
C171IE1A

Figure 82

4. When “CHr” appears in the VFD, press the START pad. The current time in hours will be displayed.

NOTE: Hours are displayed in military time.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the hours to the correct time, *Figure 83*.



C147IE1A

Figure 83

6. When the correct time in hours appears in the VFD, press the START pad to enter the corrected time. The next programmable option, “CdA,” will appear in the VFD.

NOTE: To program “CdA” (Set Real-Time Clock Days of Week), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

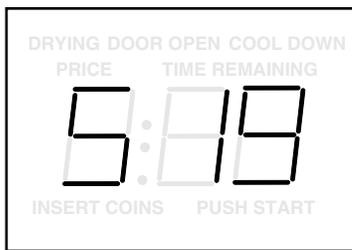
1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

26. Set Real-Time Clock (day) “CdA”

This option allows the user to set the Electronic Control’s internal clock to the correct day.

How to Program Set Real-Time Clock (day) “CdA”

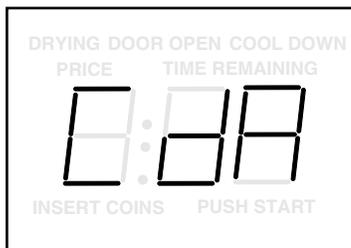
1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 84*.



C146E1A

Figure 84

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “CdA” appears in the VFD, *Figure 85*.



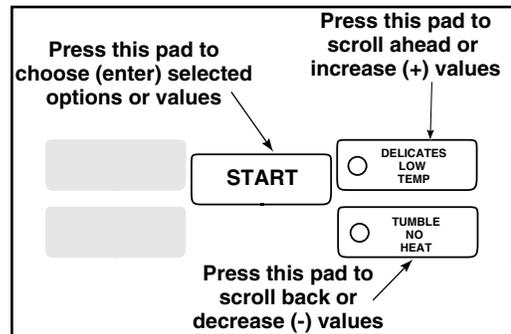
C172E1A

Figure 85

4. When “CdA” appears in the VFD, press the START pad. The current day will be displayed.

NOTE: Sunday is considered day one (001), Monday is day two (002), and so on.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the day until correct, *Figure 86*.



C147E1A

Figure 86

6. When the correct day appears in the VFD, press the START pad to enter the corrected time. The next programmable option, “CdE,” will appear in the VFD.

NOTE: To program “CdE” (Set Real-Time Clock Date), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

27. Set Real-Time Clock (date) “CdE”

This option allows the user to set the Electronic Control's internal clock to the correct day of the month.

How to Program Set Real-Time Clock (date) “CdE”

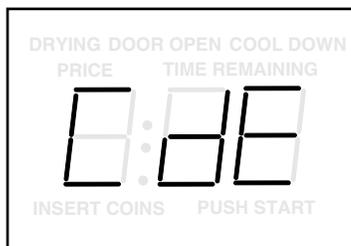
- Control must be in Special Mode. Refer to Section VII.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 87*.



C146IE1A

Figure 87

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “CdE” appears in the VFD, *Figure 88*.

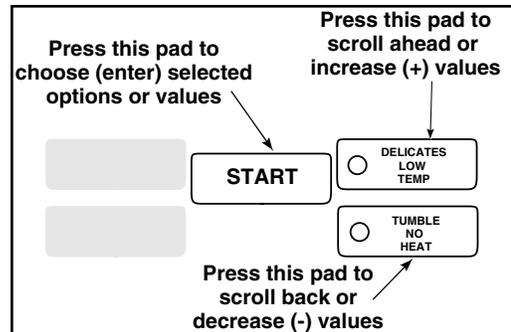


C173IE1A

Figure 88

- When “CdE” appears in the VFD, press the START pad. The current day of the month will be displayed.

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the day of the month until correct, *Figure 89*.



C147IE1A

Figure 89

- When the correct day of the month appears in the VFD, press the START pad to enter the corrected day. The next programmable option, “CO,” will appear in the VFD.

NOTE: To program “CO” (Set Real-Time Clock Month), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

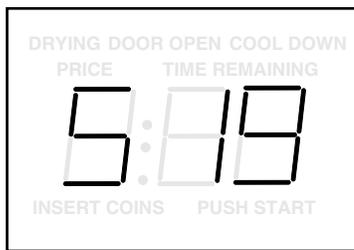
- Be sure service door has been opened and closed. Refer to Section VI.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

28. Set Real-Time Clock (month) “COOn”

This option allows the user to set the Electronic Control’s internal clock to the correct month.

How to Program Set Real-Time Clock (month) “COOn”

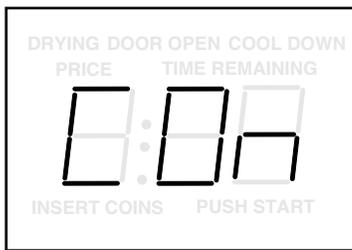
- Control must be in Special Mode. Refer to Section VII.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 90*.



C146IE1A

Figure 90

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “COOn” appears in the VFD, *Figure 91*.

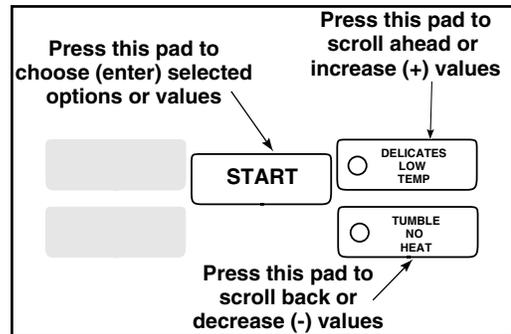


C174IE1A

Figure 91

- When “COOn” appears in the VFD, press the START pad. The current month will be displayed.

- Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the month until correct, *Figure 92*.



C147IE1A

Figure 92

- When the correct month appears in the VFD, press the START pad to enter the corrected month. The next programmable option, “CYr,” will appear in the VFD.

NOTE: To program “CYr” (Set Real-Time Clock Year), see the following page. To program other options, refer to the appropriate section.

How to Exit Programming Feature

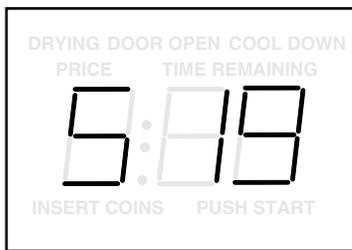
- Be sure service door has been opened and closed. Refer to Section VI.
- While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

29. Set Real-Time Clock (year) “CYr”

This option allows the user to set the Electronic Control’s internal clock to the correct year.

How to Program Set Real-Time Clock (year) “CYr”

1. Control must be in Special Mode. Refer to Section VII.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. Programmable option number 1 (Audio Signal “Slg”) will appear in the VFD, *Figure 93*.



C146IE1A

Figure 93

3. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to scroll through the programmable options until “CYr” appears in the VFD, *Figure 94*.

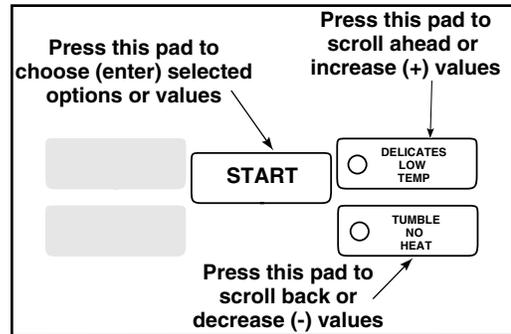


C175IE1A

Figure 94

4. When “CYr” appears in the VFD, press the START pad. The current year will be displayed.

5. Press the LOW TEMP (+) pad **or** the NO HEAT (-) pad to increase or decrease the year until correct, *Figure 95*.



C147IE1A

Figure 95

6. When the correct year appears in the VFD, press the START pad to enter the corrected year. “CYr” will appear in the VFD.

NOTE: To program other options, refer to the appropriate option section.

How to Exit Programming Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The control will revert back to the “Ready” mode. See *Figure 3*.

Section IX

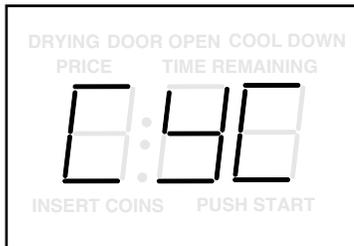
Collecting Audit Information

This feature allows the owner to retrieve audit information by pressing a sequence of SELECT CYCLE pads. For an explanation of the audit options available, see the Audit Options List on this page.

How to Enter Audit Feature

1. Be sure the dryer is in the "Ready" mode before continuing to step 2. See *Figure 3*. If the dryer is in an active cycle, rapid advance through the cycle (see the Rapid Advance feature, Section XII). If coins have been entered, see the Clear Vend feature, (Section XIII).
2. Open and close the service door (see Section VI).
3. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The VFD will show "SPC."
4. While pressing and holding the HIGH TEMP pad with one hand, press the LOW TEMP pad with the other hand. The VFD display will show the first Audit Option "CyC," *Figure 96*.

NOTE: If the procedure did not work, the control will return to "Ready" mode. See *Figure 3*.



C176IE1A

Figure 96

5. Go to "How to Read Audit Data."

How to Read Audit Data

1. Press the LOW TEMP (+), or NO HEAT(-) pad to scroll through the audit options until the desired option is displayed in the VFD. (Refer to the Audit Options List below.)

Audit Options List

#	Audit Option	Description	Total Audit Range
1	"CyC"	Total number of machine cycles	0 - 65,535
2	"CnS"	Total number of coins	0 - 16,000,000
3	"nCy"	Total number of NO HEAT cycles	0 - 65,535
4	"ACy"	Total number of Vend A cycles	0 - 65,535
5	"AnC"	Total number of Special Vend A NO HEAT cycles	0 - 65,535
6	"COP"	Total number of coin vault openings	0 - 65,535
7	"dOP"	Total number of service openings	0 - 65,535
8	"PFL"	Total number of power failures	0 - 255
9	"dnL"	Total number of downloads	0 - 255

2. Press the START (enter) pad **once** to start the audit count. The first three-digit segment of the count will appear in the VFD. Press the START pad as required to scroll to the desired three-digit audit count segment. See NOTE below.

NOTE: Because the VFD can display up to three digits at one time, audit counts higher than 999, (i.e. 10,009), must be separated on individual three-number segments. Each time the START pad is pressed in step 2, the VFD will show the next three-digit segment. Refer to *Chart 10* for the range of each audit count.

To advance to the next number segment for each option, press PERM PRESS:				
		One Time	Two Times	Three Times
1	"CyC"	Thousand 000,	Hundreds 000	-----
2	"CnS"	Millions 000,	Thousand 000,	Hundreds 000
3	"HCC"	Thousand 000,	Hundreds 000	-----
4	"rCC"	Thousand 000,	Hundreds 000	-----
5	"CCC"	Thousand 000,	Hundreds 000	-----
6	"ACH"	Thousand 000,	Hundreds 000	-----
7	"ACr"	Thousand 000,	Hundreds 000	-----
8	"ACC"	Thousand 000,	Hundreds 000	-----
9	"COP"	Thousand 000,	Hundreds 000	-----
10	"dOP"	Thousand 000,	Hundreds 000	-----
11	"PFL"	Hundreds 000	-----	-----
12	"dnL"	Hundreds 000	-----	-----

CHART 10

If, for example, the audit has counted 10,009 coins in the Total Number of Coins "CnS" option, pressing the START pad one time in step 2 will show [000],010,009 = (no millions). Pressing the START pad again will show 000,[010],000 = (ten thousand). Pressing the START pad a third time will show 000,010,[009] = (nine). The total = 000,010,009 or 10,009. (See *Chart 10* for the audit range and number of segments displayed for each audit option.)

3. Press the START (enter) pad again. The control will revert back to the next audit option in the Audit Options List.
4. To select other audit options, repeat steps 1–4.

How to Exit Audit Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the LOW TEMP pad with the other hand. The VFD will revert back to "Ready" mode. See *Figure 3*.

Section X

Testing Machine and Electronic Control Functions

The Electronic Control allows the owner to run diagnostic tests on various dryer operations without servicing the dryer. The diagnostic tests available to the owner are as follows:

- Diagnostic Test
- Dryer-On Temperature Test
- Thermistor Temperature Display Test
- Coin Vault Opening Test
- Service Door Opening Test
- Coin Drop Input Test

4. While pressing and holding the START pad with one hand, press the HIGH TEMP pad with the other hand. The VFD will show "S:XX" with "XX" indicating the software revision number. To start diagnostic tests see "How to Start Tests" below.

NOTE: To start machine and Electronic Control tests, refer to the following quick reference chart, *Chart 11*. For detailed information on each test, see the Test Descriptions on the following pages.

How to Enter Testing Feature

1. Be sure the dryer is in the "Ready" mode before continuing to step 2. See *Figure 3*. If the dryer is in an active cycle, rapid advance through the cycle, see the Rapid Advance feature, (Section XII). If coins have been entered, refer to the Clear Vend feature (Section XIII).
2. Open and close the service door. Refer to Section VI.
3. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The VFD will show "SPC," *Figure 97*.

How to Start Tests

Diagnostic Test	Press Pad(s) to Start Test
Diagnostic Test	Press and hold NO HEAT/ Press HIGH TEMP
Dryer-On Temperature Test	Press and hold START/ Press LOW TEMP
Thermistor Temperature Display Test	Press and hold START/ Press MED TEMP
Coin Vault Opening Test	Press HIGH TEMP
Service Door Opening Test	Press MED TEMP
Coin Drop Input Test	Press LOW TEMP

CHART 11

How to Exit Testing Feature

1. Open dryer door, or;
2. While pressing and holding the HIGH TEMP pad with one hand, press the START pad with the other hand. The control will revert to "Ready" mode. See *Figure 3*.

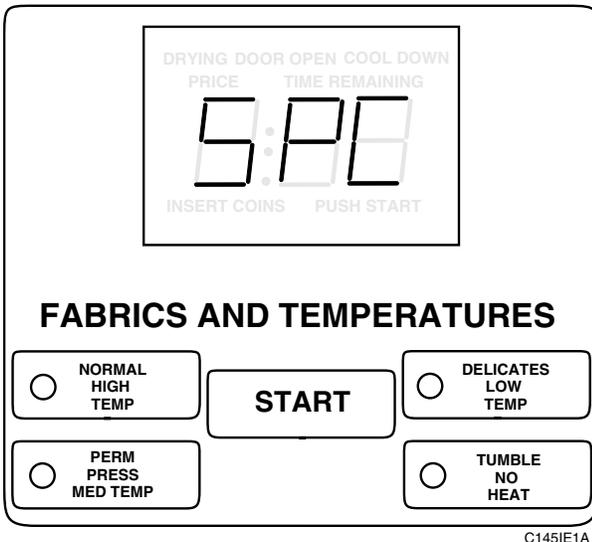


Figure 97

Test Descriptions

Diagnostic Test

To start this test, follow steps 1–4 in “How to Enter Testing Feature.” Next, while pressing and holding the NO HEAT pad with one hand, press the HIGH TEMP pad with the other hand. The Diagnostic Test is designed to exercise various relays, signals, LED's, and VFD time displays. Chart 12 defines each step of the Diagnostic Test routine. To exit this test see NOTE below.

Diagnostic Test Routine

Time Display	Illuminated LED's/VFD	Motor Relay	Heater Relay	Signal
111	All ON	ON	ON	OFF
222	All OFF	ON	ON	OFF
333	All ON	OFF	OFF	OFF
444	All ON	OFF	OFF	OFF
555	All OFF	OFF	OFF	OFF
666	All ON	OFF	OFF	LOW
777	All OFF	ON	OFF	MED
888	All ON	ON	ON	HIGH

CHART 12

NOTE: When the last step in the table is finished, the routine starts again from the beginning. To exit, press any pad or open the dryer door. The VFD display will revert back to the “Ready” mode. See *Figure 3*.

Dryer-On Temperature Test

To start this test, follow steps 1–4 in “How to Enter Testing Feature.” Next, while pressing and holding the START pad with one hand, press the LOW TEMP pad with the other hand. This test will run a chosen cycle while displaying the temperature on the VFD display.

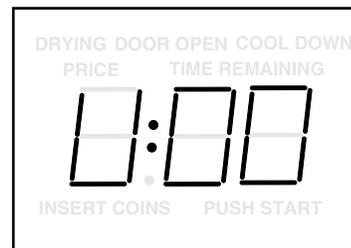
The temperature will be displayed in either Fahrenheit or Celsius depending on how the control was programmed (the default is Fahrenheit). When the test is complete, the control will revert back to the “Ready” mode. To end the test before the cycle is complete, press and hold the START pad with one hand, at the same time press the LOW TEMP pad with the other hand.

Thermistor Temperature Display Test

To start this test, follow steps 1–4 in “How to Enter Testing Feature.” Next, while pressing and holding the START pad with one hand, press the MED TEMP pad with the other hand. This test simply displays the temperature sensed at the thermistor in either Fahrenheit or Celsius (the default is Fahrenheit). To exit this test, open the dryer door or press and hold the START pad with one hand, then press the MED TEMP pad with the other hand. When the test is complete the control will revert back to the “Ready” mode.

Coin Vault Opening Test

To start this test, follow steps 1–4 in “How to Enter Testing Feature.” Next, press the HIGH TEMP pad. The VFD display will show “U:OO,” *Figure 98*.



C177IE1A

Figure 98

Each time the coin vault is opened, the count on the VFD display increases. This routine tests if the coin vault counter is operating properly. During this test, the coin vault counter will save the time and date of the initial opening of the test. All further test openings have no effect on the coin vault opening counter.

To exit the Coin Vault Opening Test, press the HIGH TEMP pad or open the dryer door. When the test is complete, the control will revert back to the “Ready” mode.

Service Door Opening Test

To start this test, follow steps 1–4 in “How to Enter Testing Feature.” Next, press the MED TEMP pad. The VFD display will show “S:00,” Figure 99.



C178IE1A

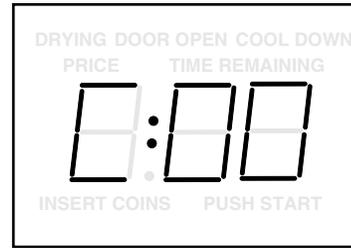
Figure 99

Each time the service door is opened, the count on the VFD increases. This routine tests if the service door counter is operating properly. During this test, the service door counter will save only the time/date of the initial opening of the test. All further test openings have no effect on the service door opening counter.

To exit the Service Door Opening Test, press the MED TEMP pad or open the dryer door. When the test is complete, the control will revert back to the “Ready” mode.

Coin Drop Input Test

To start this test, follow steps 1–4 in “How to Enter Testing Feature.” Next, press the LOW TEMP pad. The VFD display will show “C:00,” Figure 100.



C179IE1A

Figure 100

Each time a coin is entered, the count on the VFD increases. Coins entered during this test will be added to the total number of test coins and not the total number of coins. This routine tests if the coin drop counter is operating properly. To exit this test, press the LOW TEMP pad or open the dryer door. When the test is complete, the control will revert back to the “Ready” mode.

Notes

Section XI

Sales Floor Feature

The Sales Floor Feature turns on the entire VFD display including all status words, LEDs, and the three 7-segment digits.

How to Enter Sales Floor Feature

1. Be sure the dryer is in the “Ready” mode before continuing to step 2. See *Figure 3*.

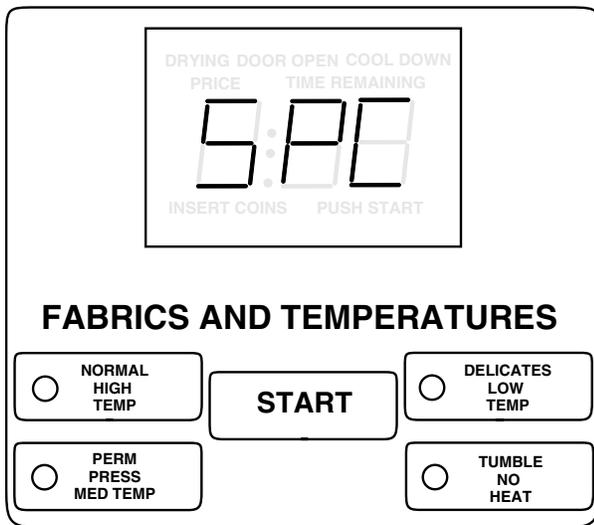
If the dryer is in an active cycle, rapid advance through the cycle, see the Rapid Advance feature, (Section XII). If coins have been entered, see the Clear Vend feature (Section XIII).

2. Open and close the service door. Refer to Section VI.
3. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand. The VFD will show “SPC,” *Figure 101*.

4. While pressing and holding the START pad with one hand, press the MED TEMP pad with the other hand. The display will light up.

How to Exit Sales Floor Feature

1. Be sure service door has been opened and closed. Refer to Section VI.
2. While pressing and holding the START pad with one hand, press the MED TEMP pad with the other hand.



C145IE1A

Figure 101

Notes

Section XII

Rapid Advance Feature

The Rapid Advance feature allows the owner to quickly reduce the amount of time remaining in an active cycle or advance into a cycle from the “Ready” mode.

How to Enter Rapid Advance Feature

1. Open and close the service door. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the START pad with the other hand.
3. Press the LOW TEMP pad and hold to rapidly reduce the time remaining in a cycle.

How to Exit Rapid Advance Feature

1. With cycle in progress, advance the cycle until the control reverts back to the “Ready” mode. See *Figure 3*.

Notes

Section XIII

Clear Vend Feature

The Clear Vend feature allows the owner to return a control into the “Ready” mode. See *Figure 3*. If a dryer is prompting for coins and some coins have been entered, but the full vend price has not been satisfied, the owner may clear the vend by performing the following steps:

How to Enter Clear Vend Feature

1. Open and close the service door. Refer to Section VI.
2. While pressing and holding the HIGH TEMP pad with one hand, press the MED TEMP pad with the other hand.

The control will revert back to the “Ready” mode. See *Figure 3*.

Notes

Section XIV

Default Dryer Settings

<u>Default Settings</u>	<u>Default</u>	<u>Default Settings</u>	<u>Default</u>
Cycle	PERM PRESS MED TEMP	HIGH Temperature	155°
		MEDIUM Temperature	145°
Signal		LOW Temperature	115°
Keypress signal	ON	Additional Time	ON
End of Cycle signal	OFF		(15 minutes)
Coin Drop Input signal	OFF	Power Fail Reset	OFF
Volume level	Low		(5 minutes)
NORMAL Vend Price	4 coins	Special Vend A,B,C,D	OFF
NO HEAT Vend Price	4 coins	Manual Access	ON
Coin Value	.25	Control Configurations	
Heat Cycle Time	45 minutes	Daylight Savings	ON
NO HEAT Cycle Time	45 minutes	Fahrenheit/Celsius	FAHRENHEIT
HIGH Cool Down	3 minutes	Infra-red Access	ON
MEDIUM Cool Down	3 minutes	Decimal Point	ON
LOW Cool Down	3 minutes	Auto Collect	ON

Notes