Electronic Display Control
Frontload Washer
See Page 2 for Model Numbers

Keep These Instructions for Future Reference.
(If this machine changes ownership, this manual must accompany machine.)
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 washers. These factors MUST BE supplied by the person(s) installing, maintaining, or operating the washer.

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 washer models:

SWFB61
SWFC61
SWFD61
SWRB61
SWRD61
STEB17
STED17
STGB19
STGD19
Table of Contents

Model Identification ................................................. 2
Section I
Preliminary Information ............................................... 5
About the Control .......................................................... 5
Glossary of Terms ........................................................... 5
Power Failure Recovery .................................................... 5
Infrared Communications (Optional) .................................... 5
Section II
Electronic Display Control Identification .......................... 7
Select Cycle Pads .............................................................. 7
Select Wash Temp Pads ..................................................... 7
Section III
VFD Display Identification .............................................. 9
Light Emitting Diodes (LEDs) ............................................. 9
Section IV
Washer Operation ............................................................ 11
Start Up ............................................................................ 11
Cycle Sequence ............................................................... 11
Closing Washer Door ....................................................... 11
Signals .............................................................................. 11
Changing Cycles .............................................................. 12
Section V
Electronic Display Control Special Features ....................... 13
Programming the Electronic Display Control ....................... 13
Collecting Audit Information ............................................. 13
Testing Machine and Electronic Control Functions ............... 13
Sales Floor Feature ............................................................. 13
Rapid Advance Feature ..................................................... 13
Clearing the Electronic Display Control Vend Feature .......... 13
Power Fail Recovery .......................................................... 13
Communications Mode ..................................................... 13
Section VI
Opening the Service Door ............................................... 15
Section VII
Entering the Manual Mode .............................................. 17
How to Enter the Manual Mode ......................................... 17
Section VIII
Programming the Electronic Display Control ....................... 19
What Can Be Programmed? ........................................... 19
Programmable Options Available ....................................... 19
1. Audio Signal “+001” ..................................................... 20
2. Hot Wash Vend Price “+002” ......................................... 22
3. Warm Wash Vend Price “+003” ....................................... 23
4. Cold Wash Vend Price “+004” ......................................... 24
8. Special Cycle Vend Price “+008” ..................................... 25
9. Special Vend A Days Enable “+009” ............................... 26
10. Special Vend A Start Hour “+010” ................................. 30
11. Special Vend A Length in Hours “+011” ......................... 31
12. Special Vend A Start Month “+012” ............................... 32
13. Special Vend A Start Date “+013” ................................. 33
14. Special Vend A End Month “+014” ............................... 34
15. Special Vend A End Date “+015” ................................. 35
17. Special Vend A Hot Wash Vend Price “+017” ................ 36
18. Special Vend A Warm Wash Vend Price “+018” ............. 37
19. Special Vend A Cold Wash Vend Price “+019” .............. 38
20. Special Vend A Auto-Shutdown Enable “+020” ............ 39
21. Coin #1 Value “+021” ................................................. 40
22. Coin #2 Value “+022” ................................................. 41
23. Start Pulse Value “+023” ............................................. 42
24. Default Cycle/Temperature “+024” ............................. 43
25. Power Fail Reset “+025” ................................................. 45
26. Set Real-Time Clock Minutes “+026” ......................... 47
27. Set Real-Time Clock Hours “+027” ............................. 48
28. Set Real-Time Clock Day “+028” .............................. 49
29. Set Real-Time Clock Date “+029” ............................. 50
30. Set Real-Time Clock Month “+030” ........................... 51
31. Set Real-Time Clock Year “+031” ............................... 52
32. Set Real-Time Clock Century “+032” .......................... 53
33. Normal Wash Fill/Agitate Time “+033” ....................... 54
34. Normal Rinse Fill/Agitate Time “+034” ....................... 55
35. Normal Extra Rinse Fill/Agitate Time “+035” ............... 56
36. Normal Final Rinse Fill/Agitate Time “+036” ............... 57
37. Permanent Press Wash Fill/Agitate Time “+037” .......... 58

800531
38. Permanent Press Rinse Fill/Agitate Time “+038” ...... 59
39. Permanent Press Extra Rinse Fill/Agitate
   Time “+039” ...................................................... 60
40. Permanent Press Final Rinse Fill/Agitate
   Time “+040” ...................................................... 61
41. Delicates Wash Fill/Agitate Time “+041” ............. 62
42. Delicates Rinse Fill/Agitate Time “+042” ........... 63
43. Delicates Extra Rinse Fill/Agitate Time “+043” ..... 64
44. Delicates Final Rinse Fill/Agitate Time “+044” ..... 65
45. Warm Rinse Option “+045” ................................... 66
46. Control Configuration Data #1 “+046” .................. 67
47. Control Configuration Data #3 “+047” .................. 70
48. Wash and Rinse Dispensers “+048” ..................... 72
49. Extra Rinse and Final Rinse Dispensers “+049” .... 74
50. Lucky Option “+050” .......................................... 76
51. Special Cycle Option “+051” ................................ 78
52. Special Cycle Wash Time “+052” ......................... 80
53. Special Cycle Extra Rinse Time “+053” ............... 81
54. Auto-Flush Option “+054” ................................. 82
55. Auto-Flush Hour “+055” ...................................... 84
56. Auto-Flush DOW “+056” ..................................... 85
59. Error Code Programming Parameter “+059” ............ 90
60. Start Pulse Mode “+060” .................................... 92

Section IX
Collecting Audit Information...................................... 95
Section X
Manual Reset................................................................. 97
Section XI
Testing Machine and Electronic Control
Functions ....................................................................... 99
Diagnostic Test Descriptions ........................................... 100
Section XII
Sales Floor Feature............................................................. 103
Section XIII
Rapid Advance Feature .................................................. 105
Section XIV
Clear Vend Feature .......................................................... 107
Section XV
Power Fail Recovery ....................................................... 109
Section XVI
Communications Mode..................................................... 111
Section XVII
Default Washer Settings............................................... 113
Default Settings ............................................................. 113
Default Cycle ................................................................. 113
Section I
Preliminary Information

About the Control

The Electronic Display Control on the commercial washer is an advanced, programmable computer that lets you control most machine features by pressing a sequence of SELECT CYCLE and SELECT WASH TEMP pads. See Figure 1.

The Electronic Display Control allows the user to program custom cycles, set vend prices, retrieve audit information, program and run diagnostic cycles, and program special vend features. Washers shipped from the factory have a default cycle and wash temperature setting of PERM PRESS, WARM built in. However, the user can change the default cycle, or any cycle, as needs permit.

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

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

Glossary of Terms

The following are a few terms and abbreviations to learn. These are referred to throughout the instructions.

VFD - Vacuum Fluorescent Display.
   This term refers to the window area of the control that displays words and values.

LED - Light Emitting Diode.
   This term refers to the lights on the keypads and status words of the control.

Power Failure Recovery

If a cycle is in progress and the power fails, the cycle status is saved in memory for a minimum of six years without power. When the power recovers, the washer will resume into the previously active cycle if so programmed by the owner.

The owner may program a special feature called POWER FAIL RESET which sets a maximum power failure duration. To program this feature, see Section VIII, option 25.

If the length of the power failure is greater than the POWER FAIL RESET time, the control will spin out the cycle when the START pad is pressed.

NOTE: If the drum is full of water, the washer will enter a 3-minute low spin.

If the length of the power failure is less than the POWER FAIL RESET time or the Power Fail Reset is turned off, the washer will resume at the point it was interrupted when power is restored. The START (enter) keypad must be pressed if the power failure is greater than 30 seconds.

Infrared Communications (Optional)

The Electronic Display Control may be programmed manually or by an optional hand-held infrared computer called the Micro-Wand IIIE™.

The Micro-Wand allows the owner to program and retrieve information from the Electronic Display Control without touching the keypad. The Micro-Wand greatly expands the programming options available to the owner. However, the Micro-Wand is not required to program and operate the washer. The operation of the Micro-Wand and the advanced features available are covered separately in the Micro-Wand IIIE™ instruction manual.
Section II
Electronic Display Control Identification

Select Cycle Pads (See Figure 1)

SELECT CYCLE pads are used to select the specific washer cycle. These pads include NORMAL, PERM PRESS, and DELICATES. These pads allow the user to select a cycle other than the default cycle (PERM PRESS). The SELECT CYCLE keypads are not active after the first fill cycle of the washer. The selected cycle is indicated by the light (LED) on the pad. Pressing the START pad will confirm the selection and the cycle will begin.

Select Wash Temp Pads (See Figure 1)

SELECT WASH TEMP pads are used to select the temperature of the water used for the wash fill. These pads include HOT, WARM, and COLD. These pads allow the user to select a water temperature other than the default setting (WARM). The SELECT WASH TEMP pads are active only during the first fill cycle of the washer. The selected temperature is indicated by the light (LED) on the pad.

Both the SELECT WASH TEMP pads and the SELECT CYCLE pads are used in various combinations for programming cycles, retrieving audit information, running diagnostic tests, and other hidden operations. These instructions cover the manual programming and data retrieval options.

Electronic Display Control

![Electronic Display Control Diagram](Figure 1)
Section III
VFD Display Identification

Light Emitting Diodes (LEDs)
(See Figure 1)

LIGHT EMITTING DIODES (LEDs) are used to indicate the chosen cycle, wash temperature, cycle status and door lock information. See below for information on each LED.

CYCLE LED (NORMAL, PERM PRESS or DELICATES)

CYCLE LED will remain lit the entire cycle.

WASH TEMP LED (HOT, WARM or COLD)

WASH TEMP LED will remain on until the end of the cycle or will change to a rinse temperature if programmed to do so.

WASH

WASH LED is lit at the beginning of a Wash cycle and will remain lit until the wash cycle is complete.

RINSE

RINSE LED is lit at the beginning of the Rinse or Extra Rinse cycle and will remain lit until the cycle is complete.

SPIN

SPIN LED is lit for all Spin cycles.

INSERT COIN/CARD

INSERT COIN/CARD LED prompts the user for coins or a card to satisfy the vend price. Four digits and decimal point show the vend price remaining to be satisfied. The vend price displayed will decrease with each coin inserted. If a new wash temp is selected during the first fill of the wash cycle and it requires more coins, the INSERT COIN/CARD light will flash one (1) second on and one (1) second off, and the display will show the vend price remaining to be satisfied.

DOOR LOCKED

DOOR LOCKED LED is lit whenever the door is locked. The door cannot be opened when this light is on.

Four 7-Segment Digits

The 7-SEGMENT DIGITS are used to display the time remaining in a cycle, vend price, error messages and descriptive codes. When displaying the time remaining the colon will flash, and when displaying the vend price the decimal point may be lit. During diagnostic testing or manual programming of the control, these digits will display descriptive codes and values (as described in Section VII).
Section IV
Washer Operation

Start Up
When power is applied to the washer, the control will display \textit{INSERT COIN/CARD}, the decimal point, and the vend price. The \textit{INSERT COIN/CARD} light will remain lit until the vend price has been satisfied. The default cycle setting is \textsc{perm press}, the default wash water fill temperature is \textsc{warm}, and the default rinse water temperature is \textsc{cold}. The LEDs will be lit on \textsc{perm press} and \textsc{warm} at the start of the cycle. See Figure 2. These default settings are owner programmable. Refer to Section VIII.

Ready Mode
To start the cycle, the user must press the START (enter) keypad.

The user will be able to select a different cycle or wash water temperature by pressing a cycle pad when the machine is in the ready mode or in the first fill cycle. If not enough vend is entered to satisfy the vend price, the control will display the remaining vend price needed to start the cycle. If the first fill was interrupted to change the temperature (which requires more money), and the vend price is not satisfied within 1 minute, the washer control will go back to the first selection and the cycle will restart. After the first fill, all key presses will be ignored, allowing the washer to go through the complete cycle.

When a cycle is complete, the control will display \textasciitilde{00} until the washer door is opened, a key is pressed, or a coin/card is entered. When one of these three options occur, the display will revert back to the ready mode. See Figure 2.

Cycle Sequence
Upon the start of a cycle, the Electronic Display Control will display the total cycle time. The appropriate LEDs will light while the machine passes through different cycle steps. Any coin entered after the first fill cycle will be added to the total coin counter, but the user will not be able to change cycles or water temperature.

Closing Washer Door
If the door is not closed when the START pad is pressed, \textit{door} will be displayed and will flash one (1) second on and one (1) second off until the door is closed. Once door is closed, the START pad must be pressed again to lock door and start cycle. If the door does not lock within 15 seconds of being closed, \textasciitilde{E:dl} will be displayed indicating a door lock error and the machine will shut off.

Signals
There are three options when a signal can be used during the washer operation. These three options are listed below:

1. \textbf{End of Cycle Signal}
   By default, this signal is turned off. If turned on, the signal sounds for three (3) seconds at the end of a cycle.

2. \textbf{Signal On Keypad Depression}
   By default, this signal is turned on and sounds for a quarter of a second each time a keypad is pressed.

3. \textbf{Signal On Coin Drop}
   By default, this signal is turned on and will sound for a quarter of a second each time a coin or card is entered.

\textbf{NOTE:} Refer to “Programming the Electronic Display Control,” Section VIII, to program signal options.
Changing Cycles

Cycles and wash temperatures can be changed anytime during the first fill cycle. After the first fill cycle, all key presses are ignored.

Selecting a higher priced wash temperature will stop the first fill cycle, and INSERT COIN/CARD will flash one (1) second on and one (1) second off until the vend price has been satisfied. After the vend price has been satisfied, the cycle will restart with the new wash temperature. If the vend price is not satisfied within 1 minute, the washer control will go back to the previously set wash temperature.
Section V
Electronic Display Control Special Features

Programming the Electronic Display Control

The Electronic Display Control allows the washer owner to program the control with the use of the keypad. Audit, diagnostic, cycle and vend information may be programmed and retrieved by pressing combinations of the Select Cycle and Select Wash Temp pads.

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

Collecting Audit Information

The control will store audit information in its memory that can be retrieved by pressing various combinations of Select Cycle and Select Wash Temp pads. The Electronic Display Control will record coins entered, total wash cycles, and total start pulses.

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

NOTE: Additional audit information is retrievable with the Micro-Wand IIIE. Refer to the Micro-Wand IIIE instruction manual.

Testing Machine and Electronic Control Functions

Special programmable diagnostic features built into the Electronic Display Control allow the owner to run specific diagnostic tests. By opening and closing the service door and then pressing various sequences of Select Cycle and Select Wash Temp pads, the owner may perform the following tests:

- Control Software Version Number
- Service Door Opening Test
- Coin Vault Opening Test
- Coin Drop #1 Input Test
- Coin Drop #2 Input Test
- Door Switch Input Test
- Door Lock Switch Input Test
- Pump/Dump Valve Test
- Show Fill Time Test
- Start Pulse Test
- Configuration Display Tests

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

Sales Floor Feature

The Electronic Display Control washer has a built-in sales floor routine used to display all LED lights and the four digits with the colon and decimal point. This function is designed to show potential customers the high-tech features of the Electronic Display Control.

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

Rapid Advance Feature

This feature allows the user to quickly advance through active cycles or advance into a cycle from the ready mode. This feature is useful when tests must be performed immediately on a washer currently in an active cycle. In this case, the user can quickly advance through the cycles to the ready mode. At this point, the user can perform the required tests and then return the washer to the point it was interrupted.

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

Clearing the Electronic Display Control Vend Feature

This feature allows the user to return the Electronic Display Control back to the ready mode if coins have been entered but the full vend price has not yet been satisfied. See Figure 2.

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

Power Fail Recovery

This feature allows the cycle status to be saved in the memory when the power fails.

For more information on using the Power Fail Recovery feature, refer to Section XV.

Communications Mode

This feature allows the washer control to communicate with the Micro-Wand IIIE. This allows the washer control to be programmed and have its data read without using the keypad.

For more detailed information on using the Communications Mode feature, refer to Section XVI.
Section VI
Opening the Service Door

Stacked Washers and Dryers, Front Control Washers and Coin Rear Control Washers
Manually programming the Electronic Display Control requires the user to open and close the service door. Opening and closing the service door trips a switch allowing access to various programming options, diagnostics and audit capabilities.
The service door is located in the control panel on the Stacked Washers and Dryers and Front Control Washers. On Rear Control Washers, the service door is located on the top of the meter case. See Figure 3.
After opening and closing the service door, the programmer has 4.25 minutes to begin programming. If a cycle pad has not been pressed in that time, the control will revert back to the ready mode. See Figure 3.

NOTE: If the Break-In Alarm option is enabled, it must be turned off before opening service door. For more information on using the Break-In Alarm, refer to Section VIII.

Rear Control Washers with Card Reader
Manually programming the Electronic Display Control requires the user to open the service door and unplug the bullet connector located between the “white/black” and “red/blue” wires. This will allow the user to access various programming options, diagnostics and audit capabilities. The service door is located on the top of the meter case. See Figure 3.

Figure 3
For programming, testing, and retrieving information from the Electronic Display Control, it is often necessary to enter the Manual Mode by following the four simple steps below.

**How to Enter the Manual Mode**

1. Be sure the washer is in the ready mode before continuing to step 2. See *Figure 2*. If the washer 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 the service door. See *Section VI*.

3. While pressing and holding the NORMAL keypad with one hand, press the HOT keypad with the other hand.

4. The VFD display will show “rAPd”. See *Figure 4*.

Manual Mode is broken into two groups: Manual Programming and Manual Rapid Advance/Diagnostics. Manual Programming can only be turned on or off with the Micro-Wand IIIIE. Refer to the Micro-Wand IIIIE instruction manual. Manual Rapid Advance/Diagnostics can be turned on and off using the Micro-Wand IIIIE (refer to Micro-Wand IIIIE instruction manual) or by manual programming (refer to Option 47 in *Section VIII*).

By default, both groups are turned “ON”.

The manual features available in each group are as follows (the menu displayed on the VFD in this mode is in parenthesis).

**Manual Programming**

- Manual Programming (PrOg)
- Manual Read Audit (AudT)
- Manual Reset (rSET)

**Rapid Advance/Diagnostics**

- Rapid Advance (rAPd)
- Show Mode (SHOW)
- Diagnostic Tests (dIAg)

If a group is turned “OFF”, the feature menu will still appear, but the features in the group cannot be entered.
Section VIII
Programming the Electronic Display Control

What Can Be Programmed?

This feature allows the owner to program cycle information, standard vend pricing, special vends and other features by using the keypads. The control must have the Manual Programming Mode enabled, which is the factory default. This mode can only be turned OFF and ON by using the Micro-Wand IIIE. Refer to this section when programming the Electronic Display Control.

This section offers a detailed description of all 54 options available to program.

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 3 numbers in the Option column of the Programmable Options List is what will be shown in the VFD display when that option is selected.

Programmable Options Available

<table>
<thead>
<tr>
<th>OPTION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>Audio Signal</td>
</tr>
<tr>
<td>002</td>
<td>Hot Wash Vend Price</td>
</tr>
<tr>
<td>003</td>
<td>Warm Wash Vend Price</td>
</tr>
<tr>
<td>004</td>
<td>Cold Wash Vend Price</td>
</tr>
<tr>
<td>008</td>
<td>Special Cycle Vend Price</td>
</tr>
<tr>
<td>009</td>
<td>Special Vend A Days Enable</td>
</tr>
<tr>
<td>010</td>
<td>Special Vend A Start Hour</td>
</tr>
<tr>
<td>011</td>
<td>Special Vend A Length in Hours</td>
</tr>
<tr>
<td>012</td>
<td>Special Vend A Start Month</td>
</tr>
<tr>
<td>013</td>
<td>Special Vend A Start Date</td>
</tr>
<tr>
<td>014</td>
<td>Special Vend A End Month</td>
</tr>
<tr>
<td>015</td>
<td>Special Vend A End Date</td>
</tr>
<tr>
<td>017</td>
<td>Special Vend A Hot Wash Vend Price</td>
</tr>
<tr>
<td>018</td>
<td>Special Vend A Warm Wash Vend Price</td>
</tr>
<tr>
<td>019</td>
<td>Special Vend A Cold Wash Vend Price</td>
</tr>
<tr>
<td>020</td>
<td>Special Vend A Auto-Shutdown Enable</td>
</tr>
<tr>
<td>021</td>
<td>Coin #1 Value</td>
</tr>
<tr>
<td>022</td>
<td>Coin #2 Value</td>
</tr>
<tr>
<td>023</td>
<td>Start Pulse Value</td>
</tr>
<tr>
<td>024</td>
<td>Default Cycle/Temperature</td>
</tr>
<tr>
<td>025</td>
<td>Power Fail Reset</td>
</tr>
<tr>
<td>026</td>
<td>Set Real-Time Clock Minutes</td>
</tr>
<tr>
<td>027</td>
<td>Set Real-Time Clock Hours</td>
</tr>
<tr>
<td>028</td>
<td>Set Real-Time Clock Day</td>
</tr>
<tr>
<td>029</td>
<td>Set Real-Time Clock Date</td>
</tr>
<tr>
<td>030</td>
<td>Set Real-Time Clock Month</td>
</tr>
<tr>
<td>031</td>
<td>Set Real-Time Clock Year</td>
</tr>
<tr>
<td>032</td>
<td>Set Real-Time Clock Century</td>
</tr>
<tr>
<td>033</td>
<td>Normal Wash Fill/Agitate Time</td>
</tr>
<tr>
<td>034</td>
<td>Normal Rinse Fill/Agitate Time</td>
</tr>
<tr>
<td>035</td>
<td>Normal Extra Rinse Fill/Agitate Time</td>
</tr>
<tr>
<td>036</td>
<td>Normal Final Rinse Fill/Agitate Time</td>
</tr>
<tr>
<td>037</td>
<td>Perm Press Wash Fill/Agitate Time</td>
</tr>
<tr>
<td>038</td>
<td>Perm Press Rinse Fill/Agitate Time</td>
</tr>
<tr>
<td>039</td>
<td>Perm Press Extra Rinse Fill/Agitate Time</td>
</tr>
<tr>
<td>040</td>
<td>Perm Press Final Rinse Fill/Agitate Time</td>
</tr>
<tr>
<td>041</td>
<td>Delicates Wash Fill/Agitate Time</td>
</tr>
<tr>
<td>042</td>
<td>Delicates Rinse Fill/Agitate Time</td>
</tr>
<tr>
<td>043</td>
<td>Delicates Extra Rinse Fill/Agitate Time</td>
</tr>
<tr>
<td>044</td>
<td>Delicates Final Rinse Fill/Agitate Time</td>
</tr>
<tr>
<td>045</td>
<td>Warm Rinse Option</td>
</tr>
<tr>
<td>046</td>
<td>Control Configuration Data #1</td>
</tr>
<tr>
<td>047</td>
<td>Control Configuration Data #3</td>
</tr>
<tr>
<td>048</td>
<td>Wash and Rinse Dispensers</td>
</tr>
<tr>
<td>049</td>
<td>Extra Rinse and Final Rinse Dispensers</td>
</tr>
<tr>
<td>050</td>
<td>Lucky Option</td>
</tr>
<tr>
<td>051</td>
<td>Special Cycle Option</td>
</tr>
<tr>
<td>052</td>
<td>Special Cycle Wash Time</td>
</tr>
<tr>
<td>053</td>
<td>Special Cycle Extra Rinse Time</td>
</tr>
<tr>
<td>054</td>
<td>Auto-Flush Option</td>
</tr>
<tr>
<td>055</td>
<td>Auto-Flush Hour</td>
</tr>
<tr>
<td>056</td>
<td>Auto-Flush DOW</td>
</tr>
<tr>
<td>059</td>
<td>Error Code Programming Parameter</td>
</tr>
<tr>
<td>060</td>
<td>Start Pulse Mode</td>
</tr>
</tbody>
</table>

NOTE: Options 5, 6, 7, 16, 57 and 58 will be displayed but are not available at this time.
1. **Audio Signal “+001”**

This option allows the user to program when the signal will sound.

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

1. **End of Cycle Signal**
   By default, the signal is turned off. If turned on, the signal will sound for three seconds at the end of a cycle.

2. **Keypad Depression Signal**
   By default, this signal is turned on and will sound for a quarter of a second. This signal will sound each time a keypad is pressed.

3. **Coin Input/Card Insertion Signal**
   By default, this signal is turned on and will sound for a quarter of a second each time a coin or card is entered.

**How to Program the Audio Signal**

1. Control must be in Manual Mode. Refer to *Section VII*.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad.

3. “+001” will appear in the VFD. Press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Audio Signal Programming Value.

4. Locate the desired number in the first column of Chart 1 on the following page.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See *Figure 7*.

   ![Figure 7](C763IE1A)

   - Press this pad (+) to scroll forward or increase a value
   - Press this pad (-) to scroll back or decrease a value
   - Press this pad (enter) to choose a selected value or option

   **For Example:** A user might wish to have the signal sound only when a keypad is pressed. Entering the number “1” in step 5 would turn off all the options except KEYPAD. In this instance, the signal would sound only when a keypad is pressed.

   6. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+002”, will appear in the VFD.

   **NOTE:** To program “+002” (Reg. Hot Wash Vend Price), see *option 2*. To program other options, refer to the appropriate section.

**How to Exit Programming Feature**

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See *Figure 2*.
How to Read Chart 1

To determine the correct number required to program the Audio Signal, use the following chart. The Signal Value column contains the number required in step 5. The other columns correspond to individual options.

Each column of options contains a unique combination of the words “ON” and “OFF” that indicates if that column’s option is turned on or off when the Signal Value is entered. Select the desired combination of options and enter the number found in the Signal Value column.

<table>
<thead>
<tr>
<th>Signal Value</th>
<th>Coin/Card Input</th>
<th>Cycle End</th>
<th>Key Pad</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>1</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>2</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>3</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>4</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>5</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>6</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>7</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>8</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>9</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>10</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>11</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>12</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>13</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>14</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>15</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>
2. Hot Wash Vend Price “+002”

This option allows the user to set the vend price for a hot wash. This vend price will be displayed in the VFD when HOT is selected.

How to Program the Hot Wash Vend Price

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+002” appears in the VFD. See Figure 9.

4. When “+002” appears in the VFD, press the START (enter) keypad. There are five digits in the Hot Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on, one second off. See Figure 10.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. See Figure 11.

6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. See Figure 12.

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.

8. Press the START (enter) keypad with the last active digit. The next option, “+003”, will appear in the VFD.

NOTE: To program “+003” (Warm Wash Vend Price), see option 3. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
3. **Warm Wash Vend Price “+003”**

This option allows the user to set the vend price for a warm wash. This vend price will be displayed in the VFD when WARM is selected.

**How to Program the Warm Wash Vend Price**

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+003” appears in the VFD. See Figure 14.

4. When “+003” appears in the VFD, press the START (enter) keypad. There are five digits in the Warm Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on, one second off. See Figure 15.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. See Figure 16.

6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. See Figure 17.

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.

8. Press the START (enter) keypad with the last active digit. The next option, “+004”, will appear in the VFD.

**NOTE:** To program “+004” (Cold Wash Vend Price), see option 4. To program other options, refer to the appropriate section.

**How to Exit Programming Feature**

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
4. Cold Wash Vend Price “+004”

This option allows the user to set the vend price for a cold wash. This vend price will be displayed in the VFD when COLD is selected.

How to Program the Cold Wash Vend Price

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+004” appears in the VFD. See Figure 19.

4. When “+004” appears in the VFD, press the START (enter) keypad. There are five digits in the Cold Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on, one second off. See Figure 20.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. See Figure 21.

6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. See Figure 22.

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.

8. Press the START (enter) keypad with the last active digit. The next option, “+005”, will appear in the VFD.

NOTE: To program “+008” (Special Cycle Vend Price), see option 8. To program other options, refer to the appropriate section. Options “+005”, “+006” and “+007” are not available at this time.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
8. Special Cycle Vend Price “+008”

This option allows the user to program the machines to offer extra features to the customers for an added vend price. This vend price will be displayed in the VFD during the first 30 seconds of the first fill/agitate. Refer to options 50, 51 and 52 for programming these features.

How to Program Special Cycle Vend Price

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD. See Figure 23.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+008” appears in the VFD. See Figure 24.

4. When “+008” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Cycle Vend Price. The fifth digit will appear in the VFD and will flash one second on, one second off. See Figure 24.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See Figure 25.

6. Press the START (enter) keypad to enter the fifth digit and display the remaining four digits. The active digit will flash one second on and one second off. See Figure 26.

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.

8. Press the START (enter) keypad with the last active digit. The next option, “+009”, will appear in the VFD.

NOTE: To program “+009” (Special Vend A Days Enable), see option 9. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
9. **Special Vend A Days Enable “+009”**

This option allows the user to set the day or days of a special vend.

Special Vend A is used to change the standard vend prices for special occasions or to turn the machine off. The special vend can be programmed to start and end on a specific day or days of the week.

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

**How to Program Special Vend A Days Enable**

1. Control must be in Manual Mode. Refer to *Section VII*.

2. Press the DELICATES (+) or the COLD (-) keypad until “ProG” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+009” appears in the VFD. See *Figure 28*.

4. When “+009” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD that corresponds to the current Special Vend A Days Enable Programming Value.

5. Locate the desired number in the first column of Chart 2 on the following pages.

6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See *Figure 29*.

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+010”, will appear in the VFD.

**NOTE:** To program “+010” (Special Vend A Start Hour), see option 10. To program other options, refer to the appropriate section.

**How to Exit Programming Feature**

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See *Figure 2*. 
How to Read Chart 2

To determine the correct number required to program the Special Vend A Days Enable, use the following chart. The “SPA” Value column contains the number required in step 6. The other columns correspond to individual days.

Chart 2: “+009”

<table>
<thead>
<tr>
<th>“SPA” VALUE</th>
<th>SAT</th>
<th>FRI</th>
<th>THUR</th>
<th>WED</th>
<th>TUE</th>
<th>MON</th>
<th>SUN</th>
<th>ON/OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>3</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>5</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>7</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>9</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>11</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>13</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>15</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>17</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>19</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>21</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>23</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>25</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>27</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>29</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>31</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>33</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>35</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>37</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>39</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>41</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>43</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>45</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>47</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>49</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>51</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>53</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>55</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>57</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>59</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>61</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>63</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>65</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>67</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>69</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>71</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>73</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>75</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>77</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
</tbody>
</table>

Chart 2: (Page 1 of 3)
<table>
<thead>
<tr>
<th>&quot;SPA&quot; VALUE</th>
<th>SAT</th>
<th>FRI</th>
<th>THUR</th>
<th>WED</th>
<th>TUE</th>
<th>MON</th>
<th>SUN</th>
<th>ON/OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>79</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>81</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>83</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>85</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>87</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>89</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>91</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>93</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>95</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>97</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>99</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>101</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>103</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>105</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>107</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>109</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>111</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>113</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>115</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>117</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>119</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>121</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>123</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>125</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>127</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>129</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>131</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>133</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>135</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>137</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>139</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>141</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>143</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>145</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>147</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>149</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>151</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>153</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>155</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>157</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>159</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>161</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>163</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>165</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>167</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
</tbody>
</table>

Chart 2: "+009" (Continued)
<table>
<thead>
<tr>
<th>&quot;SPA&quot; VALUE</th>
<th>SAT</th>
<th>FRI</th>
<th>THUR</th>
<th>WED</th>
<th>TUE</th>
<th>MON</th>
<th>SUN</th>
<th>ON/OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>169</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>171</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>173</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>175</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>177</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>179</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>181</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>183</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>185</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>187</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>189</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>191</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>193</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>195</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>197</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>199</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>201</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>203</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>205</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>207</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>209</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>211</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>213</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>215</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>217</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>219</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>221</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>223</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>225</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>227</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>229</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>231</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>233</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>235</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>237</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>239</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>241</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>243</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>245</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>247</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>249</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>251</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>253</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>255</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>

Chart 2: (Page 3 of 3)
10. Special Vend A Start Hour “+010”

This option allows the user to set the hour that Special Vend A will begin.

How to Program Special Vend A Hour

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+010” appears in the VFD. See Figure 31.

4. When “+010” appears in the VFD, press the START (enter) keypad. The current start time (in military time) will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the start hour to the desired hour. See Figure 32.

6. Press the START (enter) keypad when the correct hour appears in the VFD. The next option, “+011”, will appear in the VFD.

NOTE: To program “+011” (Special Vend A Length in Hours), see option 11. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
11. Special Vend A Length in Hours “+011”

This option allows the user to set the length in hours for Special Vend A.

How to Program Special Vend A Length in Hours

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+011” appears in the VFD. See Figure 34.

4. When “+011” appears in the VFD, press the START (enter) keypad. The current length in hours will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current length of hours to the desired number of hours. See Figure 35.

6. Press the START (enter) keypad when the correct hour appears in the VFD. The next option, “+012”, will appear in the VFD.

NOTE: To program “+012” (Special Vend A Start Month), see option 12. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
12. Special Vend A Start Month “+012”

This option allows the user to set the month that Special Vend A will begin.

NOTE: If Special Vend A Start Month, Start Date, End Month, or End Date are programmed to zero (default is zero), the special Vend A will be active every week on the days programmed in option 9.

How to Program Special Vend A Start Month

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+012” appears in the VFD. See Figure 37.

4. When “+012” appears in the VFD, press the START (enter) keypad. The current start month will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the start month to the desired month. See Figure 38.

If “0” is selected and Special Vend A is on, Special Vend A will occur at the time and days of week selected, regardless of the month.

6. Press the START (enter) keypad when the correct month appears in the VFD. The next option, “+013”, will appear in the VFD.

NOTE: To program “+013” (Special Vend A Start Date), see option 13. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
13. Special Vend A Start Date “+013”

This option allows the user to set the date that Special Vend A will begin.

How to Program Special Vend A Start Date

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+013” appears in the VFD. See Figure 40.

4. When “+013” appears in the VFD, press the START (enter) keypad. The current start date will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the start date to the desired date. See Figure 41.

If “0” is selected and Special Vend A is on, Special Vend A will occur at the time or days of week selected, regardless of the date.

6. Press the START (enter) keypad when the correct date appears in the VFD. The next option, “+014”, will appear in the VFD.

NOTE: To program “+014” (Special Vend A End Month), see option 14. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
14. Special Vend A End Month “+014”

This option allows the user to set the month that Special Vend A will end.

How to Program Special Vend A End Month

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+014” appears in the VFD. See Figure 43.

4. When “+014” appears in the VFD, press the START (enter) keypad. The current end month will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the end month to the desired month. See Figure 44.

If “0” is selected and Special Vend A is on, Special Vend A will occur at the time or day of week selected, regardless of the month.

6. Press the START (enter) keypad when the correct month appears in the VFD. The next option, “+015”, will appear in the VFD.

NOTE: To program “+015” (Special Vend A End Date), see option 15. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
15. Special Vend A End Date “+015”

This option allows the user to set the date that Special Vend A will end.

How to Program Special Vend A End Date

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+015” appears in the VFD. See Figure 46.

4. When “+015” appears in the VFD, press the START (enter) keypad. The current end date will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the end date to the desired date. See Figure 47.

If “0” is selected and Special Vend A is on, Special Vend A will occur at the time or days of week selected, regardless of the date.

6. Press the START (enter) keypad when the correct date appears in the VFD. The next option, “+016”, will appear in the VFD.

NOTE: To program “+017” (Special Vend A Hot Wash Vend Price), see option 17. To program other options, refer to the appropriate section. Option “+016” is not available at this time.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
17. Special Vend A Hot Wash Vend Price “+017”

This option allows the user to set the vend price for a Hot Wash in Special Vend A.

How to Program Special Vend A Hot Wash Vend Price

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+017” appears in the VFD. See Figure 49.

4. When “+017” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Vend A Hot Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on and one second off. See Figure 50.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. See Figure 51.

6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. See Figure 52.

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START keypad to enter the value of the digit and advance to the next digit.

8. Press the START (enter) keypad with the last active digit. The next option, “+018”, will appear in the VFD.

NOTE: To program “+018” (Special Vend A Warm Wash Vend Price), see option 18. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
18. Special Vend A Warm Wash Vend Price “+018”

This option allows the user to set the vend price for a Warm Wash in Special Vend A.

How to Program Special Vend A Warm Wash Vend Price

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+018” appears in the VFD. See Figure 54.

4. When “+018” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Vend A Warm Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on and one second off. See Figure 55.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. See Figure 56.

6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. See Figure 57.

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.

8. Press the START (enter) keypad with the last active digit. The next option, “+019”, will appear in the VFD.

NOTE: To program “+019” (Special Vend A Cold Wash Vend Price), see option 19. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
19. Special Vend A Cold Wash Vend Price “+019”

This option allows the user to set the vend price for a Cold Wash in Special Vend A.

How to Program Special Vend A Cold Wash Vend Price

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+019” appears in the VFD. See Figure 59.

4. When “+019” appears in the VFD, press the START (enter) keypad. There are five digits in the Special Vend A Cold Wash Vend Price. The fifth digit will appear in the VFD and will flash one second on and one second off. See Figure 60.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. See Figure 61.

6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. See Figure 62.

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START keypad to enter the value of the digit and advance to the next digit.

8. Press the START (enter) keypad with the last active digit. The next option, “+020”, will appear in the VFD.

NOTE: To program “+020” (Special Vend A Auto-Shutdown Enable), see option 20. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
20. Special Vend A Auto-Shutdown Enable “+020”

This option, when turned on, will force the control to shutdown during the Programmed Special Vend A time period, preventing customers from starting a new cycle after a selected time. “OFF” is displayed on the VFD when Auto-Shutdown is active.

How to Program Special Vend A Auto-Shutdown Enable

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+020” appears in the VFD. See Figure 64.

4. When “+020” appears in the VFD, press the START (enter) keypad. The current Special Vend A Auto-Shutdown Enable parameter value will appear in the VFD. “0” will be displayed when Auto-Shutdown is disabled and “255” will be displayed when Auto-Shutdown is enabled.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current value displayed in the VFD to the desired value. See Figure 65.

6. Press the START (enter) keypad when the correct value appears in the VFD. The next option, “+021”, will appear in the VFD.

NOTE: To program “+021” (Coin #1 Value), see option 21. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
21. Coin #1 Value “+021”

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 Hot Wash Vend Price (option 2) is set for “.75”, and the Coin Value is set for “00025”, the vend price displayed will decrease by .25 for each coin entered.

How to Program Coin #1 Value

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+021” appears in the VFD. See Figure 67.

4. When “+021” appears in the VFD, press the START (enter) keypad. There are five digits in the Coin #1 Value. The fifth digit will appear in the VFD and will flash one second on and one second off. See Figure 68.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. See Figure 69.

6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. See Figure 70.

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.

8. Press the START (enter) keypad with the last active digit. The next option, “+022”, will appear in the VFD.

NOTE: To program “+022” (Coin #2 Value), see option 22. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.

NOTE: The coin value can be set from 1 to 65,535.
22. Coin #2 Value “+022”

This option allows the user to set a specific numerical value for a coin entered when using the dual coin drop. For example, the coin value for a dollar coin would be measured in cents (1.00). Therefore, the coin value entered for one dollar coin would be 100.

If the Hot Wash Vend Price (option 2) is set for “2.00”, and the Coin Value is set for “00100”, the vend price displayed will decrease by 1.00 for each dollar coin entered.

How to Program Coin #2 Value

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “ProG” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+022” appears in the VFD. See Figure 72.

4. When “+022” appears in the VFD, press the START (enter) keypad. There are five digits in the Coin #2 Value. The fifth digit will appear in the VFD and will flash one second on and one second off. See Figure 73.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. See Figure 74.

6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. See Figure 75.

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.

8. Press the START (enter) keypad with the last active digit. The next option, “+023”, will appear in the VFD.

NOTE: To program “+023” (Start Pulse Value), see option 23. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
23. Start Pulse Value “+023”

This option allows the user to program the value of the Start Pulse if used for multiple pulses with an aftermarket central card reader or pay system. Refer to option 60 for additional information.

How to Program Start Pulse Value

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+023” appears in the VFD. See Figure 77.

4. When “+023” appears in the VFD, press the START (enter) keypad. There are five digits in the Start Pulse Value. The fifth digit will appear in the VFD and will flash one second on and one second off. See Figure 78.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the fifth digit. See Figure 79.

6. Press the START (enter) keypad to enter the fifth digit and display remaining four digits. The active digit will flash one second on and one second off. See Figure 80.

7. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the value of the active digit and the START (enter) keypad to enter the value of the digit and advance to the next digit.

8. Press the START (enter) keypad with the last active digit. The next option, “+024”, will appear in the VFD.

NOTE: To program “+024” (Default Cycle/Temperature), see option 24. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
24. Default Cycle/Temperature
   “+024”

This option allows the user to set the default cycle and temperature the machine will enter when in the ready mode. When programming the default cycle, refer to Chart 3 on the following page.

How to Program Default Cycle/Temperature

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+024” appears in the VFD. See Figure 82.

4. When “+024” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current default cycle value.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number to the desired number selected from Chart 3 on the following page. See Figure 83.

6. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+025”, will appear in the VFD.

NOTE: To program “+025” (Power Fail Reset), see option 25. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
How to Read Chart 3

To determine the correct number required to program Default Cycle/Temperature, use the following chart. The Default Value column contains the number required in step 5. The other columns correspond to individual options.

Each column of options contains a unique combination of the words “ON” and “OFF” that indicates if that column’s option is turned on or off when the Default Value is entered. Select the desired combination of options and enter the number found in the Default Value column.

Chart 3: “+024”

<table>
<thead>
<tr>
<th>Default Value</th>
<th>Normal Cycle</th>
<th>Perm Press Cycle</th>
<th>Delicates Cycle</th>
<th>Hot Wash</th>
<th>Warm Wash</th>
<th>Cold Wash</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>17</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>33</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>10</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>18</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>34</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>12</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>20</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>36</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
</tbody>
</table>
25. Power Fail Reset “+025”

This option allows the user to set the amount of time the Electronic Display Control will store active cycle information in the event of a power failure. The default settings for Power Fail Reset are five minutes and turned OFF. If Power Fail Reset is turned OFF, the cycle will be saved for up to six years.

How to Program Power Fail Reset

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+025” appears in the VFD. See Figure 85.

4. When “+025” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Power Fail Reset setting.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number to the desired number selected from Chart 4. See Figure 86.

6. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+026”, will appear in the VFD.

NOTE: To program “+026” (Set Real-Time Clock Minutes), see option 26. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
**How to Read Chart 4**

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 and 127 turn the option OFF. 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 133 is entered, the current cycle will be saved for up to five minutes. If power is not restored within five minutes, the control will erase the cycle status. The minimum power failure time is five minutes. The maximum power fail reset time is 127 minutes.

### Chart 4: “+025”

<table>
<thead>
<tr>
<th>NUMBER TO ENTER IN STEP 6</th>
<th>POWER FAIL RESET TIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>000 – 127</td>
<td>Turned OFF&lt;br&gt;Cycle will be saved for a minimum of 6 years</td>
</tr>
<tr>
<td>133</td>
<td>5 minutes without power before cycle is lost</td>
</tr>
<tr>
<td>. . . add one minute for every number up to</td>
<td></td>
</tr>
<tr>
<td>255</td>
<td>127 minutes without power before cycle is lost</td>
</tr>
</tbody>
</table>
26. Set Real-Time Clock Minutes “+026”

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

How to Program the Clock Minutes

1. Control must be in Manual Mode. Refer to Section VII.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+026” appears in the VFD. See Figure 88.

4. When “+026” appears in the VFD, press the START (enter) keypad. The current time in minutes will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the minutes to the correct time. See Figure 89.

6. Press the START (enter) keypad when the correct time in minutes appears in the VFD. The next option, “+027”, will appear in the VFD.

NOTE: To program “+027” (Set Real-Time Clock Hours), see option 27. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
27. Set Real-Time Clock Hours “+027”

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

How to Program the Clock Hours

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+027” appears in the VFD. See Figure 91.

4. When “+027” appears in the VFD, press the START (enter) keypad. The current time in hours will appear in the VFD.

NOTE: The hours will be displayed in military time.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the hours to the correct time. See Figure 92.

6. Press the START (enter) keypad when the correct time in hours appears in the VFD. The next option, “+028”, will appear in the VFD.

NOTE: To program “+028” (Set Real-Time Clock Day), see option 28. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
28. Set Real-Time Clock Day “+028”

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

How to Program the Clock Day

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+028” appears in the VFD. See Figure 94.

4. When “+028” appears in the VFD, press the START (enter) keypad. The current day of the week will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the day until correct. See Figure 95.

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

6. Press the START (enter) keypad when the correct day appears in the VFD. The next option, “+029”, will appear in the VFD.

NOTE: To program “+029” (Set Real-Time Clock Date), see option 29. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
29. Set Real-Time Clock Date “+029”

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

**How to Program the Clock Date**

1. Control must be in Manual Mode. Refer to *Section VII*.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+029” appears in the VFD. See *Figure 97*.

4. When “+029” appears in the VFD, press the START (enter) keypad. The current day of the month will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the day of the month until correct. See *Figure 98*.

6. Press the START (enter) keypad when the correct day of the month appears in the VFD. The next option, “+030”, will appear in the VFD.

**NOTE:** To program “+030” (Set Real-Time Clock Month), see option 30. To program other options, refer to the appropriate section.

**How to Exit Programming Feature**

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See *Figure 2*.
30. Set Real-Time Clock Month
“+030”

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

How to Program the Clock Month

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+030” appears in the VFD. See Figure 100.

4. When “+030” appears in the VFD, press the START (enter) keypad. The current month will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the month until correct. See Figure 101.

6. Press the START (enter) keypad when the correct month appears in the VFD. The next option, “+031”, will appear in the VFD.

NOTE: To program “+031” (Set Real-Time Clock Year), see option 31. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
31. Set Real-Time Clock Year “+031”

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

How to Program the Clock Year

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+031” appears in the VFD. See Figure 103.

4. When “+031” appears in the VFD, press the START (enter) keypad. The current year will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the year until correct. See Figure 104.

6. Press the START (enter) keypad when the correct year appears in the VFD. The next option, “+032”, will appear in the VFD.

NOTE: To program “+032” (Set Real-Time Clock Century), see option 32. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
32. Set Real-Time Clock Century “+032”

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

How to Program the Clock Century

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+032” appears in the VFD. See Figure 106.

4. When “+032” appears in the VFD, press the START (enter) keypad. The current century will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the century until correct. See Figure 107.

6. Press the START (enter) keypad when the correct century appears in the VFD. The next option, “+033”, will appear in the VFD.

NOTE: To program “+033” (Normal Wash Fill/Agitate Time), see option 33. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.

Figure 105

Figure 106

Figure 107
33. Normal Wash Fill/Agitate Time “+033”

This option allows the user to set the amount of wash fill/agitate time for the Normal cycle.

How to Program Normal Wash Fill/Agitate Time

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+033” appears in the VFD. See Figure 109.

4. When “+033” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Normal Wash Fill/Agitate Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 110.

NOTE: The Normal Wash Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+034”, will appear in the VFD.

NOTE: To program “+034” (Normal Rinse Fill/Agitate Time), see option 34. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
34. Normal Rinse Fill/Agitate Time “+034”

This option allows the user to set the amount of rinse fill/agitate time for the Normal cycle.

**How to Program Normal Rinse Fill/Agitate Time**

1. Control must be in Manual Mode. Refer to *Section VII*.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+034” appears in the VFD. See *Figure 112*.

4. When “+034” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Normal Rinse Fill/Agitate Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See *Figure 113*.

**NOTE:** The Normal Rinse Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+035”, will appear in the VFD.

**NOTE:** To program “+035” (Normal Extra Rinse Fill/Agitate Time), see option 35. To program other options, refer to the appropriate section.

**How to Exit Programming Feature**

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See *Figure 2*.
35. Normal Extra Rinse Fill/Agitate Time “+035”

This option allows the user to set the amount of time for an extra rinse fill/agitate in the Normal cycle.

**How to Program Normal Extra Rinse Fill/Agitate Time**

1. Control must be in Manual Mode. Refer to *Section VII*.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+035” appears in the VFD. See *Figure 115*.

4. When “+035” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Normal Extra Rinse Fill/Agitate Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See *Figure 116*.

**NOTE:** The Normal Extra Rinse Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+036”, will appear in the VFD.

**NOTE:** To program “+036” (Normal Final Rinse Fill/Agitate Time), see option 36. To program other options, refer to the appropriate section.

**How to Exit Programming Feature**

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See *Figure 2*.
36. Normal Final Rinse Fill/Agitate Time “+036”

This option allows the user to set the amount of time for a final rinse fill/agitate in the Normal cycle.

**How to Program Normal Final Rinse Fill/Agitate Time**

1. Control must be in Manual Mode. Refer to *Section VII*.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+036” appears in the VFD. See Figure 118.

4. When “+036” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Normal Final Rinse Fill/Agitate Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 119.

**NOTE:** The Normal Final Rinse Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+037”, will appear in the VFD.

**NOTE:** To program “+037” (Permanent Press Wash Fill/Agitate Time), see option 37. To program other options, refer to the appropriate section.

**How to Exit Programming Feature**

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
37. Permanent Press Wash Fill/Agitate Time “+037”

This option allows the user to set the amount of wash fill/agitate time for the Permanent Press cycle.

How to Program Permanent Press Wash Fill/Agitate Time

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+037” appears in the VFD. See Figure 121.

4. When “+037” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Permanent Press Wash Fill/Agitate Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 122.

NOTE: The Permanent Press Wash Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+038”, will appear in the VFD.

NOTE: To program “+038” (Permanent Press Rinse Fill/Agitate Time), see option 38. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
38. Permanent Press Rinse Fill/Agitate Time “+038”

This option allows the user to set the amount of rinse fill/agitate time for the Permanent Press cycle.

How to Program Permanent Press Rinse Fill/Agitate Time

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+038” appears in the VFD. See Figure 124.

4. When “+038” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Permanent Press Rinse Fill/Agitate Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 125.

NOTE: The Permanent Press Rinse Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+039”, will appear in the VFD.

NOTE: To program “+039” (Permanent Press Extra Rinse Fill/Agitate Time), see option 39. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
39. Permanent Press Extra Rinse Fill/Agitate Time “+039”

This option allows the user to set the amount of extra rinse fill/agitate time for the Permanent Press cycle.

How to Program Permanent Press Extra Rinse Fill/Agitate Time

1. Control must be in Manual Mode. Refer to Section VII.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.
3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+039” appears in the VFD. See Figure 127.
4. When “+039” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Permanent Press Extra Rinse Fill/Agitate Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 128.

NOTE: The Permanent Press Extra Rinse Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+040”, will appear in the VFD.

NOTE: To program “+040” (Permanent Press Final Rinse Fill/Agitate Time), see option 40. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
40. Permanent Press Final Rinse Fill/Agitate Time “+040”

This option allows the user to set the amount of final rinse fill/agitate time for the Permanent Press cycle.

How to Program Permanent Press Final Rinse Fill/Agitate Time

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+040” appears in the VFD. See Figure 130.

4. When “+040” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Permanent Press Final Rinse Fill/Agitate Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 131.

NOTE: The Permanent Press Final Rinse Fill/Agitate Time can be set from zero (0) to 15 minutes.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.

NOTE: To program “+041” (Delicates Wash Fill/Agitate Time), see option 41. To program other options, refer to the appropriate section.

Figure 129

Figure 130

Figure 131
41. Delicates Wash Fill/Agitate Time “+041”

This option allows the user to set the amount of wash fill/agitate time for the Delicates cycle.

How to Program Delicates Wash Fill/Agitate Time

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+041” appears in the VFD. See Figure 133.

4. When “+041” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Delicates Wash Fill/Agitate Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 134.

NOTE: The Delicates Wash Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+042”, will appear in the VFD.

NOTE: To program “+042” (Delicates Rinse Fill/Agitate Time), see option 42. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
42. Delicates Rinse Fill/Agitate Time “+042”

This option allows the user to set the amount of rinse fill/agitate time for the Delicates cycle.

How to Program Delicates Rinse Fill/Agitate Time

1. Control must be in Manual Mode. Refer to Section VII.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.
3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+042” appears in the VFD. See Figure 136.
4. When “+042” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Delicates Rinse Fill/Agitate Time will appear in the VFD.
5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 137.

NOTE: The Delicates Rinse Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+043”, will appear in the VFD.

NOTE: To program “+043” (Delicates Extra Rinse Fill/Agitate Time), see option 43. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
43. Delicates Extra Rinse Fill/Agitate Time “+043”

This option allows the user to set the amount of extra rinse fill/agitate time for the Delicates cycle.

How to Program Delicates Extra Rinse Fill/Agitate Time

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+043” appears in the VFD. See Figure 139.

4. When “+043” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Delicates Extra Rinse Fill/Agitate time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 140.

NOTE: The Delicates Extra Rinse Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+044”, will appear in the VFD.

NOTE: To program “+044” (Delicates Final Rinse Fill/Agitate Time), see option 44. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
44. Delicates Final Rinse Fill/Agitate Time “+044”

This option allows the user to set the amount of final rinse fill/agitate time for the Delicates cycle.

How to Program Delicates Final Rinse Fill/Agitate Time

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+044” appears in the VFD. See Figure 142.

4. When “+044” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Delicates Final Rinse Fill/Agitate Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 143.

NOTE: The Delicates Final Rinse Fill/Agitate Time can be set from zero (0) to 15 minutes.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+045”, will appear in the VFD.

NOTE: To program “+045” (Warm Rinse Option), see option 45. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
45. Warm Rinse Option “+045”

This option allows the user to program an optional warm fill temperature for the final rinse fill. If this option is enabled and HOT or WARM water is selected for the wash fill, warm water will be used for the final rinse fill.

**How to Program the Warm Rinse Option**

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+045” appears in the VFD. See Figure 148.

4. When “+045” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number (found below) corresponds to the current Warm Rinse Option Value.
   - One (1) = Option Enabled
   - Zero (0) = Option Disabled

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number to the desired number. See Figure 146.

6. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+046”, will appear in the VFD.

**NOTE:** To program “+046” (Control Configuration Data #1), see option 46. To program other options, refer to the appropriate section.

**How to Exit Programming Feature**

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
46. Control Configuration Data #1 “+046”

This option allows the user to turn ON or turn OFF preprogrammed capabilities within the Electronic Display Control.

How to Program the Control Configuration Data #1

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+046” appears in the VFD. See Figure 148.

4. When “+046” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Control Configuration Data #1 Value.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number to the desired number selected from Chart 5. See Figure 149.

6. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+047”, will appear in the VFD.

NOTE: To program “+047” (Control Configuration Data #3), see option 47. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
**Configuration #1 Programming**

Use the chart on the following page (Chart 5) to turn on or turn off the preprogrammed daylight savings option, wash temperature display option, infrared access option, decimal point option, and the automatic collect option in the Electronic Display Control.

To change any or all of these configuration options, review the following descriptions carefully and choose the appropriate configuration value from Chart 5. Enter the appropriate value in step 6 on the previous page.

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Daylight Savings</strong></td>
<td>This option automatically sets the clock in the Electronic Display Control to account for the time change during Daylight Savings.</td>
</tr>
<tr>
<td></td>
<td>OFF= Turns off the automatic daylight savings option programmed in the Electronic Display Control.</td>
</tr>
<tr>
<td></td>
<td>ON= Turns on the automatic daylight savings option programmed in the Electronic Display Control.</td>
</tr>
<tr>
<td><strong>Wash Temperature</strong></td>
<td>This option determines if the temperature LEDs indicate the selected wash temperature during the entire cycle or indicates fill temperature during each rinse.</td>
</tr>
<tr>
<td></td>
<td>SELECT= Selected wash temperature remains on for entire cycle.</td>
</tr>
<tr>
<td></td>
<td>ACTUAL= LEDs indicate actual water temperature during every fill step. LEDs will be off during distribute and spin steps.</td>
</tr>
<tr>
<td><strong>Infrared Access</strong></td>
<td>This option determines if a Micro-Wand can access or program the Electronic Display Control.</td>
</tr>
<tr>
<td></td>
<td>OFF= Turns off the infrared access by the Micro-Wand.</td>
</tr>
<tr>
<td></td>
<td>ON= Turns on the infrared access by the Micro-Wand.</td>
</tr>
<tr>
<td><strong>Decimal Point</strong></td>
<td>This option determines if a decimal point is used when displaying the vend price (i.e. machines using token currency may choose to remove the decimal point).</td>
</tr>
<tr>
<td></td>
<td>OFF= Turns off the decimal point from appearing in the VFD.</td>
</tr>
<tr>
<td></td>
<td>ON= Turns on the decimal point to appear in the VFD.</td>
</tr>
<tr>
<td><strong>Automatic Collect</strong></td>
<td>This option automatically collects all audit data information whenever the Micro-Wand communicates with the control.</td>
</tr>
<tr>
<td></td>
<td>OFF= Turns off the automatic collect with the Micro-Wand.</td>
</tr>
<tr>
<td></td>
<td>ON= Turns on the automatic collect with the Micro-Wand.</td>
</tr>
<tr>
<td>Config #1 Value</td>
<td>Auto Collect</td>
</tr>
<tr>
<td>----------------</td>
<td>--------------</td>
</tr>
<tr>
<td>16</td>
<td>OFF</td>
</tr>
<tr>
<td>17</td>
<td>OFF</td>
</tr>
<tr>
<td>18</td>
<td>OFF</td>
</tr>
<tr>
<td>19</td>
<td>OFF</td>
</tr>
<tr>
<td>20</td>
<td>OFF</td>
</tr>
<tr>
<td>21</td>
<td>OFF</td>
</tr>
<tr>
<td>22</td>
<td>OFF</td>
</tr>
<tr>
<td>23</td>
<td>OFF</td>
</tr>
<tr>
<td>24</td>
<td>OFF</td>
</tr>
<tr>
<td>25</td>
<td>OFF</td>
</tr>
<tr>
<td>26</td>
<td>OFF</td>
</tr>
<tr>
<td>27</td>
<td>OFF</td>
</tr>
<tr>
<td>28</td>
<td>OFF</td>
</tr>
<tr>
<td>29</td>
<td>OFF</td>
</tr>
<tr>
<td>30</td>
<td>OFF</td>
</tr>
<tr>
<td>31</td>
<td>OFF</td>
</tr>
<tr>
<td>48</td>
<td>ON</td>
</tr>
<tr>
<td>49</td>
<td>ON</td>
</tr>
<tr>
<td>50</td>
<td>ON</td>
</tr>
<tr>
<td>51</td>
<td>ON</td>
</tr>
<tr>
<td>52</td>
<td>ON</td>
</tr>
<tr>
<td>53</td>
<td>ON</td>
</tr>
<tr>
<td>54</td>
<td>ON</td>
</tr>
<tr>
<td>55</td>
<td>ON</td>
</tr>
<tr>
<td>56</td>
<td>ON</td>
</tr>
<tr>
<td>57</td>
<td>ON</td>
</tr>
<tr>
<td>58</td>
<td>ON</td>
</tr>
<tr>
<td>59</td>
<td>ON</td>
</tr>
<tr>
<td>60</td>
<td>ON</td>
</tr>
<tr>
<td>61</td>
<td>ON</td>
</tr>
<tr>
<td>62</td>
<td>ON</td>
</tr>
<tr>
<td>63</td>
<td>ON</td>
</tr>
</tbody>
</table>

Chart 5: “+046”
47. Control Configuration Data #3 “+047”

This option allows the user to turn ON or turn OFF preprogrammed capabilities within the Electronic Display Control.

How to Program the Control Configuration Data #3

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+047” appears in the VFD. See Figure 151.

4. When “+047” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Control Configuration Data #3 Value.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number to the desired number selected from Chart 5. See Figure 152.

6. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+048”, will appear in the VFD.

NOTE: To program “+048” (Wash and Rinse Dispensers), see option 48. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
Configuration #3 Programming

Use the chart below (Chart 6) to turn on or turn off access for Manual Rapid Advance and Diagnostics, and to change the Available Output Mode.

Chart 6: “+047”

<table>
<thead>
<tr>
<th>Config #3 Value</th>
<th>RADV/DIAG Access</th>
<th>Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OFF</td>
<td>Ready Mode</td>
</tr>
<tr>
<td>1</td>
<td>OFF</td>
<td>Until Start Mode</td>
</tr>
<tr>
<td>2</td>
<td>ON</td>
<td>Ready Mode</td>
</tr>
<tr>
<td>3</td>
<td>ON</td>
<td>Until Start Mode</td>
</tr>
</tbody>
</table>
48. Wash and Rinse Dispensers “+048”

This option allows the user to select the active dispensers for dispensing fabric softener, bleach and detergent in the wash and rinse cycle steps.

How to Program Wash and Rinse Dispensers

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+048” appears in the VFD. See Figure 154.

4. When “+048” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Wash and Rinse Dispensers Programming Value.

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

5. Locate the desired number in the first column of Chart 7 on the following page.

6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See Figure 155.

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+049”, will appear in the VFD.

NOTE: To program “+049” (Extra Rinse and Final Rinse Dispensers), see option 49. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
How to Read Chart 7

To determine the correct number required to program Wash and Rinse Dispensers, use the following chart. The Value column contains the number required in step 6. The other columns correspond to individual options.

Chart 7: “+048”

<table>
<thead>
<tr>
<th>Value</th>
<th>Rinse Softener</th>
<th>Rinse Det/Bleach</th>
<th>Wash Softener</th>
<th>Wash Det/Beach</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>1</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>2</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>3</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>16</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>17</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>18</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>19</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>32</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>33</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>34</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>35</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>48</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>49</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>50</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>51</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>
49. Extra Rinse and Final Rinse Dispensers “+049”

This option allows the user to select the active dispensers for dispensing fabric softener, bleach and detergent in the Extra and Final Rinse cycle steps.

How to Program Extra Rinse and Final Rinse Dispensers

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+049” appears in the VFD. See Figure 157.

4. When “+049” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Extra Rinse and Final Rinse Dispensers Programming Value.

5. Locate the desired number in the first column of Chart 8 on the following page.

6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See Figure 158.

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+050”, will appear in the VFD.

NOTE: To program “+050” (Lucky Option), see option 50. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
How to Read Chart 8

To determine the correct number required to program Extra Rinse and Final Rinse, use the following chart. The Value column contains the number required in step 6. The other columns correspond to individual options.

Each column of options contains a unique combination of the words “ON” and “OFF” that indicates if that column’s option is turned on or off when the Value is entered. Select the desired combination of options and enter the number found in the Value column.

Chart 8: “+049”

<table>
<thead>
<tr>
<th>Value</th>
<th>Final Rinse Softener</th>
<th>Final Rinse Det/Bleach</th>
<th>Extra Rinse Softener</th>
<th>Extra Rinse Det/Beach</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>1</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>2</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>3</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>16</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>17</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>18</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>19</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>32</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>33</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>34</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>35</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>48</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>49</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>50</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>51</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>
50. Lucky Option “+050”

This option allows the user to program the machine to provide a free vend cycle to customers after a certain number of machine cycles have occurred.

“Free” will be displayed five minutes after the completion of the programmed number of cycles has occurred. The cycle can then be started by pressing the START (enter) pad.

How to Program Lucky Option

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+050” appears in the VFD. See Figure 160.

4. When “+050” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Lucky Option Programming Value.

5. Locate the desired number in the first column of Chart 9 on the following page.

6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See Figure 161.

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+051”, will appear in the VFD.

NOTE: To program “+051” (Special Cycle Option), see option 51. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
<table>
<thead>
<tr>
<th>Lucky Option Value</th>
<th>Lucky Cycle ON/OFF</th>
<th>Number of Cycles</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 127</td>
<td>OFF</td>
<td>0 – 127</td>
</tr>
<tr>
<td>128</td>
<td>ON</td>
<td>0</td>
</tr>
<tr>
<td>129</td>
<td>ON</td>
<td>1</td>
</tr>
<tr>
<td>130</td>
<td>ON</td>
<td>2</td>
</tr>
<tr>
<td>131 – 255</td>
<td>ON</td>
<td>3 – 127</td>
</tr>
</tbody>
</table>
51. Special Cycle Option “+051”
This option allows the user to program the machine to offer extra wash time, extra rinse time, warm rinse, or any combination of the above to the customers for an added vend price.

How to Program Special Cycle Option
1. Control must be in Manual Mode. Refer to Section VII.
2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.
3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+051” appears in the VFD. See Figure 163.
4. When “+051” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Special Cycle Option Programming Value.
5. Locate the desired number in the first column of Chart 10 on the following page.
6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See Figure 164.
7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+052”, will appear in the VFD.

NOTE: To program “+052” (Special Cycle Wash Time), see option 52. To program other options, refer to the appropriate section.

How to Exit Programming Feature
1. Be sure the control shows a programmable option, not a value.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
How to Read Chart 10

To determine the correct number required to program Special Cycle Option, use the following chart. The Special Cycle Option Value column contains the number required in step 6. The other columns correspond to individual options.

Each column of options contains a unique combination of the words “ON” and “OFF” that indicates if that column’s option is turned on or off when the Special Cycle Option Value is entered. Select the desired combination of options and enter the number found in the Special Cycle Option Value column.

<table>
<thead>
<tr>
<th>Special Cycle Option Value</th>
<th>Special Cycle ON/OFF</th>
<th>Warm Rinse ON/OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>1</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>128</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>129</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>
52. Special Cycle Wash Time “+052”

This option allows the user to set the amount of additional wash time for the Special Cycle.

How to Program Special Cycle Wash Time

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+052” appears in the VFD. See Figure 166.

4. When “+052” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Special Cycle Wash Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 167.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+053”, will appear in the VFD.

NOTE: The Special Cycle option needs to be turned on (see option 51) for the Special Cycle additional wash time to take effect.

NOTE: To program “+053” (Special Cycle Extra Rinse Time), see option 53. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
53. Special Cycle Extra Rinse Time “+053”

This option allows the user to set the amount of additional extra rinse time for the Special Cycle.

How to Program Special Cycle Extra Rinse Time

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+053” appears in the VFD. See Figure 169.

4. When “+053” appears in the VFD, press the START (enter) keypad. The current number of minutes set for the Special Cycle Extra Rinse Time will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number of minutes displayed in the VFD to the desired number of minutes. See Figure 170.

6. Press the START (enter) keypad when the correct number of minutes appears in the VFD. The next option, “+054”, will appear in the VFD.

NOTE: The Special Cycle option needs to be turned on (see option 51) for the Special Cycle additional rinse time to take effect.

NOTE: To program “+054” (Auto-Flush Option), see option 54. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
54. Auto-Flush Option “+054”

This option programs the control to automatically flush the dispenser compartments at set times and intervals to keep the compartments clean.

The owner can select Auto-Flush to occur after one (1) to 127 cycles and can determine the time and days of week Auto-Flush will occur. If zero (0) is selected for cycles, the Auto-Flush will always occur on the selected time and day.

NOTE: The loading door must be closed and latched for auto-flush to occur.

How to Program Auto-Flush Cycle Option

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+054” appears in the VFD. See Figure 172.

4. When “+054” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Auto-Flush Option Programming Value.

5. Locate the desired number in the first column of Chart 11 on the following page.

6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See Figure 173.

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+055”, will appear in the VFD.

NOTE: To program “+055” (Auto-Flush Hour), see option 55. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
<table>
<thead>
<tr>
<th>Auto-Flush Option Value</th>
<th>Auto-Flush ON/OFF</th>
<th>Number of Cycles</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 127</td>
<td>OFF</td>
<td>0 – 127</td>
</tr>
<tr>
<td>128</td>
<td>ON</td>
<td>0</td>
</tr>
<tr>
<td>129</td>
<td>ON</td>
<td>1</td>
</tr>
<tr>
<td>130</td>
<td>ON</td>
<td>2</td>
</tr>
<tr>
<td>131 – 255</td>
<td>ON</td>
<td>3 – 127</td>
</tr>
</tbody>
</table>
55. Auto-Flush Hour “+055”

This option allows the user to set the hour that the dispensers will automatically flush.

**How to Program Auto-Flush Hour**

1. Control must be in Manual Mode. Refer to *Section VII*.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+055” appears in the VFD. See *Figure 175*.

4. When “+055” appears in the VFD, press the START (enter) keypad. The current start time (in military time) will appear in the VFD.

5. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current hour to the desired hour. See *Figure 176*.

6. Press the START (enter) keypad when the correct hour appears in the VFD. The next option, “+056”, will appear in the VFD.

**NOTE:** For Auto-Flush to work at the hour selected, the Auto-Flush option must be turned on and the number of cycles between flushes must be selected. See *option 54*.

**NOTE:** To program “+056” (Auto-Flush DOW), see *option 56*. To program other options, refer to the appropriate section.

**How to Exit Programming Feature**

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See *Figure 2*. 

---

*Figure 174*

*Figure 175*

*Figure 176*
56. Auto-Flush DOW “+056”

This option allows the user to set the day of the week that the dispensers will automatically flush.

**How to Program Auto-Flush DOW**

1. Control must be in Manual Mode. Refer to *Section VII*.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+056” appears in the VFD. See Figure 178.

4. When “+056” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Auto-Flush DOW Programming Value.

5. Locate the desired number in the first column of Chart 12 on the following pages.

6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See Figure 179.

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+057”, will appear in the VFD.

**NOTE:** For Auto-Flush to work at the hour selected, the Auto-Flush option must be turned on and the number of cycles between flushes must be selected. See option 54.

**NOTE:** If DOW value is Ø (all days off), Auto-Flush will never occur.

**NOTE:** To program “+059” (Error Code Programming Parameter), see option 59. To program other options, refer to the appropriate section. Options “+057” and “+058” are not available at this time.

**How to Exit Programming Feature**

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
How to Read Chart 12

To determine the correct number required to program Auto-Flush DOW, use the following chart. The Auto-Flush DOW Value column contains the number required in step 6. The other columns correspond to individual options.

Each column of options contains a unique combination of the words “ON” and “OFF” that indicates if that column’s option is turned on or off when the Auto-Flush DOW Value is entered. Select the desired combination of options and enter the number found in the Auto-Flush DOW Value column.

<table>
<thead>
<tr>
<th>Auto-Flush DOW Value</th>
<th>Sat</th>
<th>Fri</th>
<th>Thur</th>
<th>Wed</th>
<th>Tue</th>
<th>Mon</th>
<th>Sun</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>1</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>2</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>3</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>4</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>5</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>6</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>7</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>8</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>9</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>10</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>11</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>12</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>13</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>14</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>15</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>16</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>17</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>18</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>19</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>20</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>21</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>22</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>23</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>24</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>25</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>26</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>27</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>28</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>29</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>30</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>31</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>32</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>33</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>34</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>35</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>36</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>Auto-Flush DOW Value</td>
<td>Sat</td>
<td>Fri</td>
<td>Thur</td>
<td>Wed</td>
<td>Tue</td>
<td>Mon</td>
<td>Sun</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----</td>
<td>-----</td>
<td>------</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>37</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>38</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>39</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>40</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>41</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>42</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>43</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>44</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>45</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>46</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>47</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>48</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>49</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>50</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>51</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>52</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>53</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>54</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>55</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>56</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>57</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>58</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>59</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>60</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>61</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>62</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>63</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>64</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>65</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>66</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>67</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>68</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>69</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>70</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>71</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>72</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>73</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>74</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>75</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>76</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>77</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>78</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>79</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>Auto-Flush DOW Value</td>
<td>Sat</td>
<td>Fri</td>
<td>Thur</td>
<td>Wed</td>
<td>Tue</td>
<td>Mon</td>
<td>Sun</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----</td>
<td>-----</td>
<td>------</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>80</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>81</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>82</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>83</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>84</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>85</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>86</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>87</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>88</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>89</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>90</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>91</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>92</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>93</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>94</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>95</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>96</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>97</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>98</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>99</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>100</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>101</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>102</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>103</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>104</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>105</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>106</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>107</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>108</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>109</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>110</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>111</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>112</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>113</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>114</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>115</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>116</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>117</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>118</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>119</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>120</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>121</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>122</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
</tbody>
</table>
## Chart 12: "+056" (Continued)

<table>
<thead>
<tr>
<th>Auto-Flush DOW Value</th>
<th>Sat</th>
<th>Fri</th>
<th>Thur</th>
<th>Wed</th>
<th>Tue</th>
<th>Mon</th>
<th>Sun</th>
</tr>
</thead>
<tbody>
<tr>
<td>123</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>124</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>125</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>126</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>127</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>
59. Error Code Programming Parameter “+059”

This option allows the user to turn on or turn off certain errors in the control.

How to Program Error Code Programming Parameter

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+059” appears in the VFD. See Figure 181.

4. When “+059” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Error Code Programming Parameter Value.

5. Locate the desired number in the first column of Chart 13 on the following page.

6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See Figure 182.

7. Press the START (enter) keypad when the correct number appears in the VFD. The next option, “+060”, will appear in the VFD.

NOTE: To program “+060” (Start Pulse Mode), see option 60. To program other options, refer to the appropriate section.

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
How to Read Chart 13

To determine the correct number required to program Error Code Programming Parameter, use the following chart. The Error Code Value column contains the number required in step 6. The other columns correspond to individual options.

Each column of options contains a unique combination of the words “ON” and “OFF” that indicates if that column’s option is turned on or off when the Error Code Value is entered. Select the desired combination of options and enter the number found in the Error Code Value column.

### Chart 13: “+059”

<table>
<thead>
<tr>
<th>Error Code Value</th>
<th>Motor Failure Error ON/OFF</th>
<th>SPI Error ON/OFF</th>
<th>Fill Error ON/OFF</th>
<th>Coin Error ON/OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>1</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>4</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>5</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>16</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>17</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>20</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>21</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>128</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>129</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>132</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>133</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>144</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>145</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
<td>ON</td>
</tr>
<tr>
<td>148</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>149</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
</tr>
</tbody>
</table>
60. Start Pulse Mode “+060”

This option allows the user to program the Start Pulse Input. The Start Pulse Mode can be used for aftermarket central pay or card systems. The central system sends the start pulse to the Start Pulse Input of the control to start the cycle. If set for single pulse, one start pulse from the central system will start the cycle. If set for multiple pulses, each pulse will deduct from the Vend Price the value set up in option 23, Start Pulse Value, until the Vend is satisfied.

How to Program Start Pulse Mode

1. Control must be in Manual Mode. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “PrOg” appears in the VFD. Press the START (enter) keypad and “+001” will appear in the VFD.

3. Press the DELICATES (+) or the COLD (-) keypad to scroll through the programmable options until “+060” appears in the VFD. See Figure 184.

4. When “+060” appears in the VFD, press the START (enter) keypad. A number will appear in the VFD. This number corresponds to the current Start Pulse Mode Programming Value.

5. Locate the desired number in the first column of Chart 14 on the following page.

6. Press the DELICATES (+) or the COLD (-) keypad to increase or decrease the current number until correct. See Figure 185.

7. Press the START (enter) keypad when the correct number appears in the VFD.

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

How to Exit Programming Feature

1. Be sure the control shows a programmable option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will revert back to the ready mode. See Figure 2.
## Chart 14: “+060”

<table>
<thead>
<tr>
<th>Start Pulse Mode Value</th>
<th>Start Pulse ON/OFF</th>
<th>Single Pulse/Multiple Pulses</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>OFF</td>
<td>Single Pulse</td>
</tr>
<tr>
<td>64</td>
<td>OFF</td>
<td>Multiple Pulses</td>
</tr>
<tr>
<td>128</td>
<td>ON</td>
<td>Single Pulse</td>
</tr>
<tr>
<td>192</td>
<td>ON</td>
<td>Multiple Pulses</td>
</tr>
</tbody>
</table>
Section IX
Collecting Audit Information

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

How to Enter Audit Feature

1. Control must be in Manual Mode to start. Refer to Section VII.
2. Press the DELICATES (+) or the COLD (-) keypad until “AUdT” appears. See Figure 186.

If the procedure did not work, the control will return to the ready mode. See Figure 2.

How to Read Audit Data

1. Use the DELICATES (+) or the COLD (-) keypad to scroll through various options until the desired option is displayed in the VFD. Refer to the Audit Options List, Chart 6, for an explanation of the audit options available. See Figure 187.

<table>
<thead>
<tr>
<th>#</th>
<th>VFD Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>“CyC”</td>
<td>Total # of machine cycles</td>
</tr>
<tr>
<td>2</td>
<td>“COI1”</td>
<td>Total # of coins #1</td>
</tr>
<tr>
<td>3</td>
<td>“COI2”</td>
<td>Total # of coins #2</td>
</tr>
<tr>
<td>4</td>
<td>“PLSE”</td>
<td>Total # of Start Pulses</td>
</tr>
</tbody>
</table>
2. Once the desired option appears in the VFD, press the START (enter) keypad once to start the audit count. At this point, the display will show the first four-digit segment of the audit value. Press the START (enter) keypad again to view the last five digits of the number.

**NOTE:** The VFD can display up to 4 digits at one time. All audit counts are separated into two 4-digit segments. Each time the START (enter) keypad is pressed in step 2, the VFD will show the next four-digit segment in the audit value.

For Example: In the Total Number of Coins #1 option with “COI1” displayed in the VFD, the audit has counted 10,009 coins. Pressing the START (enter) keypad one time will show “_ _ _ 1” to represent ten thousand. Pressing the START (enter) keypad a second time will display “0009” meaning nine. The total equals “00010009” or 10,009.

3. Press the START (enter) keypad again. The control will go 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 the control shows an audit option, not a value.

2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The control will return to the ready mode. See Figure 2.
Section X
Manual Reset

This feature allows the owner to reset the washer control’s programming data to the factory default settings by pressing a sequence of pads on the control. For an explanation of the Factory Default Settings, refer to Section XVII.

How to Enter Manual Reset

1. Control must be in Manual Mode to start. Refer to Section VII.

2. Press the DELICATES (+) or the COLD (-) keypad until “rSET” appears. See Figure 188.

3. Press the START (enter) keypad. The control will display “WAIT” until the programming is complete. Once the program has been reset, the control will revert back to the ready mode.

Figure 188
Section XI
Testing Machine and Electronic Control Functions

This feature allows the owner to run diagnostic tests on various washer operations without servicing the washer. The following tests are available:

- Control Software Version Number
- Coin Vault Opening Test
- Service Door Opening Test
- Coin Drop #1 Input Test
- Coin Drop #2 Input Test
- Door Switch Input Test
- Door Lock Switch Input Test
- Pump/Dump Valve Test
- Show Fill Time Test
- Start Pulse Test
- Configuration Display Test

How to Enter Testing Feature

1. Control must be in Manual Mode. Refer to Section VII.
2. Press the DELICATES (+) or the COLD (-) keypad until “dIAg” appears.
3. Press the START (enter) keypad. Display will change to “+001” indicating the control software version number test.
4. Press the DELICATES (+) or the COLD (-) keypad to scroll through the diagnostic test options.

How to Start Tests

To start a diagnostic test, refer to the quick reference chart below (Chart 16). Press the START (enter) keypad when the desired test # is displayed. For detailed information on each test, read the appropriate description.

How to Exit Testing Feature

While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand. The display will return to the ready mode. See Figure 2.

Chart 16: Diagnostic (Testing) Mode – Quick Reference Chart

<table>
<thead>
<tr>
<th>Test Number</th>
<th>Diagnostic Mode</th>
<th>VFD Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Control Software Version # Test</td>
<td>“SXXX”</td>
</tr>
<tr>
<td>2</td>
<td>Service Door Opening Test</td>
<td>“S:XX”</td>
</tr>
<tr>
<td>3</td>
<td>Coin Vault Opening Test</td>
<td>“U:XX”</td>
</tr>
<tr>
<td>4</td>
<td>Coin Drop #1 Input Test</td>
<td>“C1:XX”</td>
</tr>
<tr>
<td>5</td>
<td>Coin Drop #2 Input Test</td>
<td>“C2:XX”</td>
</tr>
<tr>
<td>6</td>
<td>Door Switch Input Test</td>
<td>“dr:CL” or “dr:OP”</td>
</tr>
<tr>
<td>7</td>
<td>Door Lock Switch Input Test</td>
<td>“dr:UL” or “dr:LO”</td>
</tr>
<tr>
<td>8</td>
<td>Pump/Dump Valve Test</td>
<td>“PunP” or “dunP”</td>
</tr>
<tr>
<td>9</td>
<td>Show Fill Time Test</td>
<td>“FXXX”</td>
</tr>
<tr>
<td>10</td>
<td>Start Pulse Test</td>
<td>“StXX”</td>
</tr>
<tr>
<td>11 – 13</td>
<td>Configuration Display Test</td>
<td>“XXXX”</td>
</tr>
</tbody>
</table>
Diagnostic Test Descriptions

Control Software Version Number Test

This option displays the control software version number. To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, press the START (enter) keypad. The VFD display will show “SXXX” where “XXX” is the software version number.

To exit the Software Version Number Test, press the NORMAL and PERM PRESS keypads. The control will return to the ready mode. See Figure 2.

Service Door Opening Test

This option tests the service door switch. To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, press the START (enter) keypad. The VFD display will show “S:XX”. The “XX” will show the number of service door openings.

The service door switch has to be closed for at least one second and opened for at least a half a second to make a valid count. This test will add counts to the service door opening counter for the audit and save the date/time for the initial opening of the test.

To exit the Service Door Opening Test, press the NORMAL and PERM PRESS keypads. The control will return to the ready mode. See Figure 2.

Coin Vault Opening Test

This option tests the coin vault switch. To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, press the START (enter) keypad. The VFD display will show “U:XX”. The “XX” will show the number of coin vault openings.

The coin vault switch has to be closed for at least one second and opened for at least a half a second to make a valid count. This test will add counts to the coin vault opening counter for the audit and save the time/date for the initial opening of the test.

To exit the Coin Vault Opening Test, press the NORMAL and PERM PRESS keypads. The control will return to the ready mode. See Figure 2.

Coin Drop #1 Input Test

This option tests coin drop #1. To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, press the START (enter) keypad. The VFD display will show “C1:XX”. The “XX” will show the number of coins entered. This test will add counts to the total number of coins #1 counter. See Section IX.

To exit the Coin Drop #1 Input Test, press the NORMAL and PERM PRESS keypads. The control will return to the ready mode. See Figure 2.

Coin Drop #2 Input Test

This option tests coin drop #2. To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, press the START (enter) keypad. The VFD display will show “C2:XX”. The “XX” will show the number of coins entered. This test will add counts to the total number of coins #2 counter. See Section IX.

To exit the Coin Drop #2 Input Test, press the NORMAL and PERM PRESS keypads. The control will return to the ready mode. See Figure 2.

Door Switch Input Test

This test will display whether the washer door is open or closed.

To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, press the START (enter) keypad. If the door is closed, the VFD will display “dr:CL”. If the door is open, the VFD will display “dr:OP”.

To exit the test, press the NORMAL keypad with one hand, then press the PERM PRESS keypad with the other hand. The control will return to the ready mode. See Figure 2.
Door Lock Switch Input Test

This test will display whether the door is locked or unlocked.

To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, close the door and press the START (enter) keypad. The control will lock the door. If the door is open, the VFD display will flash “dOOr” one second on and one second off. The door must be closed to enter test.

If the door is unlocked, the VFD will display “dr:UL”. After the door is locked, the VFD displays “dr:LO” and turns off power to the door lock. The door will take approximately one (1) minute to unlock. This sequence is repeated every time the START (enter) keypad is pressed.

To exit the test, press the NORMAL keypad with one hand, and then press the PERM PRESS keypad with the other hand. The control will then return to the ready mode. See Figure 2.

Show Fill Time Test

This test will display the average fill time. This average will be calculated by taking the average of the three (3) last fill times plus the most recent fill time.

To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, press the START (enter) keypad. The VFD will show “FXXX”. The “XXX” will be the average fill time in seconds for that machine.

To exit the Show Fill Time Test, press and hold the NORMAL keypad with one hand, then press the PERM PRESS keypad with the other hand. The control will return to the ready mode. See Figure 2.

Start Pulse Test

This option tests the Start Pulse. To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, press the START (enter) keypad. The VFD display will show “St:XX”. The “XX” will show the number of pulses entered. This test will add counts to the total number of Start Pulses counter. See Section IX.

To exit the Start Pulse Test, press the NORMAL and PERM PRESS keypads. The control will return to the ready mode. See Figure 2.

Configuration Display Test

This option shows the machine configuration values. Test #11 shows configuration value #1, Test #12 shows configuration value #2, and Test #13 shows configuration value #3. To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, press the START (enter) keypad. For configuration value #1, the VFD will show “AXXX”. For configuration value #2, the VFD will show “bXXX”. For configuration value #3, the VFD will show “CXXX”. For all, “XXX” is the value of the number.

To exit a Configuration Display Test, press the NORMAL and PERM PRESS keypads. The control will return to the ready mode. See Figure 2.

Pump/Dump Valve Test

This test turns on the pump/dump valve output.

To start test, control must be in the Testing Mode. Refer to “How to Start Tests” at the beginning of this section.

To enter, door must be closed. Press the START (enter) keypad. The control will lock the door and turn on the pump/dump valve output. The VFD will display “PunP” for a pump equipped machine and “dunP” for a dump valve equipped machine.

To exit the Pump/Dump Valve Test, press and hold the NORMAL keypad with one hand, then press the PERM PRESS keypad with the other hand. The control will return to the ready mode. See Figure 2.
Section XII
Sales Floor Feature

The Sales Floor feature is used on a sales floor to allow the owner to turn on the entire VFD display and all LEDs.

How to Enter Sales Floor Feature

1. Control must be in Manual Mode to start. Refer to Section VII.
2. Press the DELICATES (+) or the COLD (-) keypad until “SHOW” appears.
3. Press the START (enter) keypad.
The display will light up.

How to Exit Sales Floor Feature

1. Be sure service door is open.
2. While pressing and holding the NORMAL keypad with one hand, press the PERM PRESS keypad with the other hand.
The display will return to the ready mode. See Figure 2.
Section XIII
Rapid Advance Feature

The Rapid Advance feature allows the owner to quickly advance through active cycles or advance into a cycle from the ready mode.

How to Enter Rapid Advance from Ready Mode

1. If control is in Ready Mode, control must be put into Manual Mode. Refer to Section VII.
2. Press the DELICATES (+) or the COLD (-) keypad until “rAPd” appears in the display.
3. Press the START (enter) keypad. The VFD will display cycle time and the START (enter) keypad LED will flash.
4. Press the START (enter) keypad to start cycle.

NOTE: Door must be closed to start cycle.

How to Enter Rapid Advance During an Active Cycle

1. Be certain service door is open.
2. While pressing and holding the NORMAL keypad with one hand, press the HOT keypad with the other hand. There will be no change on the VFD display.

Control may be in an active cycle or in the ready mode to use the Rapid Advance feature.

While in the Rapid Advance Mode, pressing the START (enter) keypad will advance the washer to the next cycle step. The cycle indicator lights will tell which cycle step the washer is in.

For Example: If the washer is in the first fill/agitate cycle step, pressing the START (enter) keypad will advance the washer into the WASH DISTRIBUTE cycle step.

Continue pressing the START (enter) keypad until the cycle is completed.

How to Exit Rapid Advance Feature

1. Advance through the cycles until reaching the ready mode. See Figure 2.

NOTE: The Rapid Advance option must be turned on for Rapid Advance to work. See option 47 in Section VIII.
Section XIV
Clear Vend Feature

The Clear Vend feature allows the owner to clear a control which is in the middle of satisfying a vend price, and set it back to the ready mode.

**How to Clear Vend**

1. Open the service door. Refer to *Section VI*.

2. While pressing and holding the HOT keypad with one hand, press the PERM PRESS keypad with the other hand. The control will reset to the ready mode. See *Figure 2*. 
Section XV
Power Fail Recovery

The Power Fail Recovery feature allows the cycle status to be saved in memory in the event of a power failure.

If the power failure lasted less than 30 seconds, the cycle will resume without requiring the user to press the START (enter) keypad to restart.

If the power failure lasted longer than 30 seconds, the Power Fail Reset option is turned ON, and the duration of the power failure is less than or equal to the time programmed in the Power Fail Reset option, or the Power Fail Reset option is turned off, the START (enter) keypad will flash until it is pressed and the cycle will restart from the point it left off.

If the power failure lasted longer than 30 seconds, lasted longer than the time programmed in the Power Fail Reset option, and the Power Fail Reset option is turned ON, the control will flash the START (enter) keypad one (1) second on and one (1) second off. When the pad is pressed, the spin out cycle will begin. The cycle will be complete after spin out is finished.

NOTE: If the drum is full of water, the washer will enter a three (3) minute low spin. When the water is removed from the washer drum, the washer will go into a slow tumble until the door unlocks.
Section XVI
Communications Mode

Infrared Communications

The Infrared Communications feature allows the washer control to communicate with the Micro-Wand IIIIE. The washer control can be programmed and have its data read without using the keypad. It may also be used to start and stop various diagnostic tests.

How to Begin Communications with Micro-Wand IIIIE

The control will go blank and the VFD will display “-C-” until the communication is complete. The LEDs will flash for several seconds and the display will return to the previous mode. If an error occurs that terminates communication, the VFD will display “EI:XX” (“XX” represents the error code).

NOTE: The Infrared Communications option must be turned on. See option 46 in Section VIII.
Section XVII
Default Washer Settings

Default Settings

<table>
<thead>
<tr>
<th>Cycle</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wash Water Temperature</td>
<td>WARM</td>
</tr>
<tr>
<td>Rinse Water Temperature</td>
<td>COLD</td>
</tr>
<tr>
<td>Special Vends</td>
<td>OFF. All items zero.</td>
</tr>
</tbody>
</table>

Signals:

- Keypress: ON
- End of Cycle: OFF
- Coin Drop: ON
- Coin Value: .25
- Power Fail Reset: OFF/5 minutes

Control Configuration:

- Daylight Savings: ON
- Wash Temp Indicator: SELECT
- Infrared Access: ON
- Decimal Point: ON
- Special Cycle: OFF

Default Cycle

The cycle listed is the default PERM PRESS cycle programmed in at the factory. This cycle can be made longer or shorter by reprogramming the fill/agitate times. Refer to the Programming section to change these times. All other times are not programmable.

<table>
<thead>
<tr>
<th>Cycle</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wash Fill/Agitate</td>
<td>7:00</td>
</tr>
<tr>
<td>Wash Agitate</td>
<td>0:45</td>
</tr>
<tr>
<td>Wash Spin</td>
<td>2:15</td>
</tr>
<tr>
<td>Rinse Fill/Agitate</td>
<td>2:00</td>
</tr>
<tr>
<td>Rinse Distribute</td>
<td>0:45</td>
</tr>
<tr>
<td>Rinse Spin</td>
<td>2:15</td>
</tr>
<tr>
<td>Extra Rinse Fill/Agitate</td>
<td>0:00</td>
</tr>
<tr>
<td>Extra Rinse Distribute</td>
<td>0:00</td>
</tr>
<tr>
<td>Extra Rinse Spin</td>
<td>0:00</td>
</tr>
<tr>
<td>Final Rinse Fill/Agitate</td>
<td>2:00</td>
</tr>
<tr>
<td>Final Rinse Distribute</td>
<td>0:45</td>
</tr>
<tr>
<td>Final Rinse Spin</td>
<td>2:15</td>
</tr>
<tr>
<td>Final High Spin</td>
<td>7:00</td>
</tr>
<tr>
<td>Breakaway</td>
<td>1:00</td>
</tr>
</tbody>
</table>

* – Programmable Times