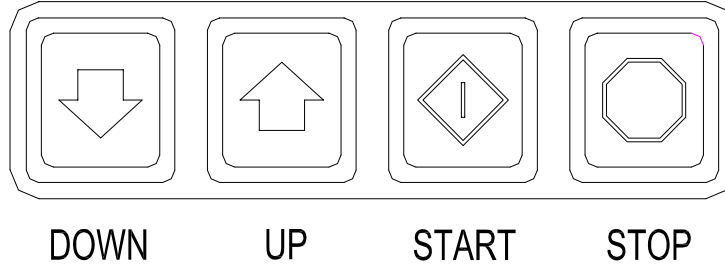


OPL PROGRAMMING V-SERIES

TWO WAYS TO MODIFY PROGRAMMING OF THE V-SERIES OPL SIX (6) PREPROGRAMMED FORMULAS

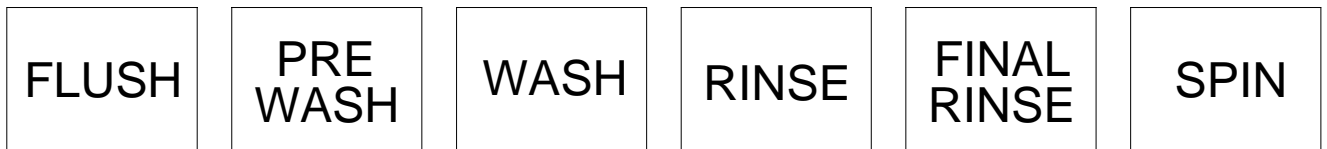
#1 Programming can be accomplished manually using the machine controls or by connecting to the machine control using a PDA (personal digital assistant). For instructions on using a PDA with this washer control, please contact your local Dexter distributor.



The keypad layout for the washer control is shown above.

#2 Manual Wash Cycle Programming Instructions

1. Turn on the power to the washer.
2. Turn the Run/Program key to the Program position. Display will show “C O” and the “ADD BLEACH” will blink and will continue to blink during the programming mode.
3. Press the “DOWN” or “UP” buttons to select which cycle to alter. When the desired cycle number is displayed, press “START”.
4. The display should now show a “b”. The “b” and the cycle indicator lights indicate which bath is being selected to alter. Press the “UP” and “DOWN” buttons to select a bath to change and then press “START”. The indicator lights are shown below.



When “RINSE” is selected, “b r1” through “b r4” may be selected. There may be multiple rinses that are indicated by r1, r2, r3 and r4.

5. Each bath can be programmed with the following options. Use the “DOWN” and “UP” keys to select the desired setting and the “START” key to move to the next option.

| DISPLAY | FUNCTION | OPTIONS |
|---------|-------------------|---|
| Ct ** | Tumble Time | Two-digit amount of time in minutes. |
| t ** | Water Temperature | HH for hot, CH for warm, CC for cold and EE for no water. |
| L ** | Water Level | Lo for low, HI for high. |
| dF * | Type of Fill | d for delayed fill, t for timed fill. ¹ |
| S ** | Spin Time | Two-digit amount of time in minutes. |
| IS * | Injection Source | Single digit code indicating injector signal(s). ² |

¹ A delayed fill will pause the time count until the selected level is reached. A timed fill will only fill for a predetermined amount of time.

² Codes for injections sources are defined at the end of the programming section. When the No Water bath is selected, the electronic controller prohibits injection signals. The programmed injection source value is ignored.

To exit the programming of a bath, press the “STOP” button once and use the “UP” and “DOWN” keys select another bath. Press the “STOP” button again to select a different cycle to change. To end programming, turn the key to “RUN” position

Note: The Wash Cycle programming mode will automatically exit and return to the Idle mode if no buttons are pushed for one minute.

WASHER CYCLE PARAMETER RANGES

The range of each cycle parameter is shown below:

- Cycle Time 0 to 15 minutes for Prewash, Wash, Rinse 1, 2, 3 and 4
 1 to 15 minutes for Final Rinse
 For the bathes that can, if the time is set to zero, then the bath will be eliminated from the cycle.
- Water Temperature HH – hot, CH – warm, CC – cold, EE – no water
- Water Level HI – high, LO – low
- Delay Fill The selections are “d” for delay the bath time until water level is reached or “t” for decrement bath time during the fill.
- Spin Time 0 to 10 minutes for Prewash, Wash, Rinse, 2, 3 and 4
 1 to 10 minutes for Final Spin
- Injection Source 0 to 6

Cycle 1

Sheets & Pillowcases (Health Care)

| Bath | Bath Cycle Time (min.) | Water Temp. | Water Level | Delay Fill | Spin Time (min.) | Injection Source |
|-------------|------------------------|-------------|-------------|------------|------------------|------------------|
| Flush | 3 | CH | HI | d | | |
| Prewash | 2 | CH | HI | d | | |
| Wash | 7 | HH | LO | d | | 1 (Detergent) |
| Rinse 1 | 7 | HH | LO | d | | 2 (Bleach) |
| Rinse 2 | 2 | CH | HI | d | 1 | |
| Rinse 3 | 2 | CH | HI | d | | |
| Rinse 4 | | | | | | |
| Final Rinse | 4 | CH | LO | d | 4 | 4 (Sour/Soft) |

Cycle 2

Towels / Pads / Diapers (Health Care)

| Bath | Bath Cycle Time (min.) | Water Temp. | Water Level | Delay Fill | Spin Time (min.) | Injection Source |
|-------------|------------------------|-------------|-------------|------------|------------------|------------------|
| Flush | 3 | CH | HI | d | | |
| Prewash | 2 | CH | HI | d | | |
| Wash | 7 | HH | LO | d | | 1 (Detergent) |
| Rinse 1 | 1 | HH | HI | d | | |
| Rinse 2 | 7 | HH | LO | d | | 2 (Bleach) |
| Rinse 3 | 2 | CH | HI | d | 1 | |
| Rinse 4 | 2 | CH | HI | d | | |
| Final Rinse | 4 | CH | LO | d | 5 | 4 (Sour/Soft) |

Cycle 3 White Towels (Hotel / Motel)

| Bath | Bath Cycle Time (min.) | Water Temp. | Water Level | Delay Fill | Spin Time (min.) | Injection Source |
|-------------|------------------------|-------------|-------------|------------|------------------|------------------|
| Flush | | | | | | |
| Prewash | | | | | | |
| Wash | 7 | HH | LO | d | | 1 (Detergent) |
| Rinse 1 | 1 | HH | HI | d | | |
| Rinse 2 | 7 | HH | LO | d | | 2 (Bleach) |
| Rinse 3 | 2 | CH | HI | d | 1 | |
| Rinse 4 | 2 | CH | HI | d | | |
| Final Rinse | 4 | CH | LO | d | 5 | 4 (Sour/Soft) |

Cycle 4 Guest Laundry (Hotel / Motel or Health Care)

| Bath | Bath Cycle Time (min.) | Water Temp. | Water Level | Delay Fill | Spin Time (min.) | Injection Source |
|-------------|------------------------|-------------|-------------|------------|------------------|----------------------|
| Flush | 3 | CH | HI | d | | |
| Prewash | | | | | | |
| Wash | 7 | HH | LO | d | | 5 (Detergent/Bleach) |
| Rinse 1 | 2 | HH | HI | d | | |
| Rinse 2 | 2 | CH | HI | d | | |
| Rinse 3 | 2 | CH | HI | d | | |
| Rinse 4 | | | | | | |
| Final Rinse | 4 | CH | LO | d | 4 | 4 (Sour/Soft) |

Cycle 5 Rags & Mops (Hotel / Motel)

| Bath | Bath Cycle Time (min.) | Water Temp. | Water Level | Delay Fill | Spin Time (min.) | Injection Source |
|-------------|------------------------|-------------|-------------|------------|------------------|------------------|
| Flush | 3 | CH | HI | d | | |
| Prewash | 2 | CH | HI | d | | |
| Wash | 2 | CH | HI | d | | |
| Rinse 1 | 7 | HH | LO | d | | 1 (Detergent) |
| Rinse 2 | 2 | HH | HI | d | | |
| Rinse 3 | 7 | HH | LO | d | | 2 (Bleach) |
| Rinse 4 | 2 | CH | HI | d | 1 | |
| Final Rinse | 2 | CH | LO | d | 5 | |

Cycle 6 Colored Cotton Linen (Food & Beverage)

| Bath | Bath Cycle Time (min.) | Water Temp. | Water Level | Delay Fill | Spin Time (min.) | Injection Source |
|-------------|------------------------|-------------|-------------|------------|------------------|------------------|
| Flush | 2 | CH | HI | d | | |
| Prewash | | | | | | |
| Wash | 10 | HH | LO | d | | 1 (Detergent) |
| Rinse 1 | 7 | HH | LO | d | | 2 (Bleach) |
| Rinse 2 | 2 | CH | HI | d | 1 | |
| Rinse 3 | 2 | CH | HI | d | | |
| Rinse 4 | | | | | | |
| Final Rinse | 4 | CH | LO | d | 4 | 6 (Sour/Starch) |

RAPID ADVANCE MODE

To enter the Rapid Advance mode, turn the key CCW. The Rapid Advance setting is not marked next to the key, but turning the CCW until it stops selects this mode. The Rapid Advance mode can be entered from either the Idle mode or during the cycle. If the cycle has not yet started, press the “START” button. To rapid advance to the next step in the wash cycle, push both the “UP” and “START” buttons at the same time. The display will show an “Ad” (advance) in the display. The washer will advance to the next bath segment. The water will drain before the advance will occur and the time displayed may not be accurate.

- Notes:
- The indicator lights will show to which segment the cycle has been advanced.
 - The cycle will continue in rapid advance mode even if the key is turned to “RUN” and/or removed.
 - Rapid advance cannot skip the final 1-minute tumble of the cycle, and the door lock may remain activated for a couple minutes after the cycle has been completed.
 - Chemical 120volt signals will be lost after Rapid advance Mode has been activated until cycle resets.

To exit the Rapid Advance mode, push and hold the STOP button.

INJECTION SOURCE DETAILS

The washer control may be programmed to send output signals for a chemical injection system. There is a separate terminal block for connection of the external injection signals. For the injection sources, program codes 0 through 6 are as shown in the table below.

| Dexter Recommended Connections | Controller Programmed Signals | Injection Terminal Block Circuits |
|--------------------------------|-------------------------------|-----------------------------------|
| Detergent | 1 | A |
| Bleach | 2 | B |
| Starch | 3 | C |
| Sour/Softener | 4 | D |
| | 5 | A and B |
| | 6 | C and D |
| | 0 | None |

