



**Smart OPL
Chemical
Dispenser**

**Installation
and
Operating instructions**

400-3002-00

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PART 1 MECHANICAL INSTALLATION

- Locate the Smart OPL unit behind the laundry machine as close to the chemical containers as you can trying to avoid direct heat, moisture or steam.
- The mounting bracket provided should be used to fix the enclosure to the wall in order to maintain the waterproof sealing.
- The PVC tubes from the chemical containers should ideally be no longer than 3 Metres. 8-10mm ID (ideally braided) pvc is recommended on the suction side..
- Slide the black tube support over the container end of the tubing, connect the tube to a base connector and place into Detergent container.
- Connect the tubing from the chemical container to the inlet connector of the relevant pump, having first warmed the PVC tube to assist in fitting. (Inlet & Outlet shown by arrows on pump face)
- Connect PVC tubing from the outlet of each pump into the machine as recommended by the machine manufacturer.

The first pump on the left should be the Detergent pump and the last pump on the right is usually for Softener

PART 2 ELECTRICAL INSTALLATION

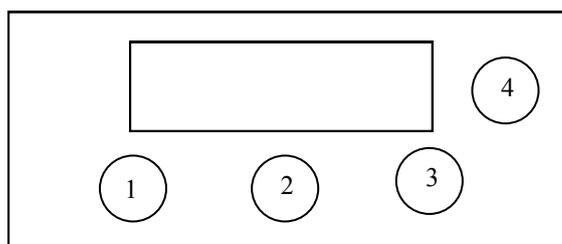
The machine signals and remote connections are quickly made using lever connectors. Press the lever down with a screw driver, insert the stripped wire and release. The machine signals are labelled.

Prewash,- 2 inputs, hot and cold
Mainwash:- 2 inputs, hot and cold
First Rinse
Common 1:
Common 2:
Final Rinse:-

The commons can be separated (by removing the link) if the final rinse signal is a different voltage to the other signals.

The remote connections are colour coded, the colours are marked on the edge of the circuit board.

Mains Live and Neutral is connected to the green connector. No earth connection is required as the units are double insulated.



The remote has 4 buttons and a 16 character x 2 line display.

This allows relatively simple setting up of the unit.

Pressing buttons 1 & 3 together gets into the pin code entry.

Use buttons 1 & 3 to adjust the pin code to show 66 and pres the middle button (2) you can then set up the unit.

The software follows this general rule:-

If you like what it says on the display, press the middle button. To change something press one of the other buttons.

There are 4 different pin codes.

011 This gives the full set up

022 This gives adjustment of run times and shows wash counts

033 This shows the machine signal states, and is useful for troubleshooting installations.

044 Allows you to select which type of remote you want.

IE Chemical enable or Formula select

Chemical Enable This gives the end user a simple choices:-

High Medium or Low Detergent levels.

Destainer ON or OFF

Softener ON or OFF.

Formula Select This gives the end user the choice of Formula (Program), these are named and numbered during set up and the number of available formulas can also be set.

Much of the set up procedure is the same for both types of remote.

Press button 2 when the style of remote you want is displayed.

Signal Trigger

< **Once** **All**> This selects if you want the pump to run once on the first trigger it gets , or on every trigger (Once is the usual option)

Next you select which signal you want to run the pumps.

PUMP 1 * *
Signal P M 1 FR

The star indicates the pump will trigger from that signal.

The signals are:-

P (prewash) M (mainwash) 1 (first rinse) FR (final rinse)

Buttons 1 and 2 move the cursor left or right and button 4 turns the star on and off selecting or deselecting the trigger.

Some pumps are limited to certain signals to avoid dosing in incorrect phases

E.G.

Pump1 which is Detergent will only trigger off P or M as this product would not be required on the final rinse.

Press the middle button (2) when you have chosen your signals.

Repeat the process for Pump 2, 3 and 4.

If no signals are selected the pump will not run and you will not be asked for run times for that pump.

On 2 pump systems the pumps are fitted in pos 1&3. The 3rd pump being triggered by the final rinse signal to reset the unit.

Formula select mode

Set Max Formula (not on chemical enable version)

Formula? = 3 Use button 1 & 3 to adjust the number of formulas you want and then press button 2.

Wash	set	Press button 1 to select names.
< Names	times>	Press button 3 to set run times

Setting run times. The display will show:-

Quit >

Edit Formula 1? To set the times for formula 1 just press the middle button (2). If you want to set the times for a different formula use buttons 1 & 3 to change the number of the formula and then press the middle button.

Button 4 will let you quit when you have finished.

The software will step through each pump for the formula allowing you to adjust the run time with buttons 1 & 2 and then enter it by pressing the middle button. Once all the times are done for one formula it will go back to the display above and ask if you want to edit the next formula.

The next screen allows you to set the delay on pump 2
This is useful when it is triggered from the same signal as
pump 1.

PUMP2 Delay

Minutes 02 The delay is adjusted by buttons 1 & 3
Press the middle button (2) when done.

Reset Delay from

Final Rinse 03m This sets the reset delay from the final
Rinse, adjust it with buttons 1 & 3 then
press the middle button.

The Set up software then finishes and the unit restarts.
To edit the wash names, you have to enter the pin 11 again
and step through to the screen shown below.

Wash set Press button 1 to select names.
< Names times> Press button 3 to set run times

Press button 1, this will show.

Name F01 Quit> select the formula you want to name
with buttons 1 & 3 and then press the
Middle button(2) or press button 4 to
Quit.

The display will then show:-

Top line for 01

Formula Pressing button 1 or 3 will take you
through the 8 different top lines which can be displayed.
Note one of the choices is a blank line. Also note, the total
wash count is displayed on the top line of the display.
Press the middle button when you have made your choice.
You then choose the bottom line for that program (14
choices?) Press the middle button when you have made
your choice.

The display will then ask if you want to name the next formula. Continue as before or press button 4 to quit.

You will then be asked for Destainer delay and Reset delay as before.

The set up for Chemical Enable mode is very similar but doesn't have formula names. It allows you to set the High and low levels for Pump1 (Detergent). It also lets you set the default states for the destainer and softener.

E.G. when the unit starts up or resets you can choose if it says ON or OFF for Destainer and Softener.

PIN CODE 22

This gives a shorter version of the set up for changing the run times. It allows you to see the wash counts and bypasses the pump Trigger selection and naming of formulas.

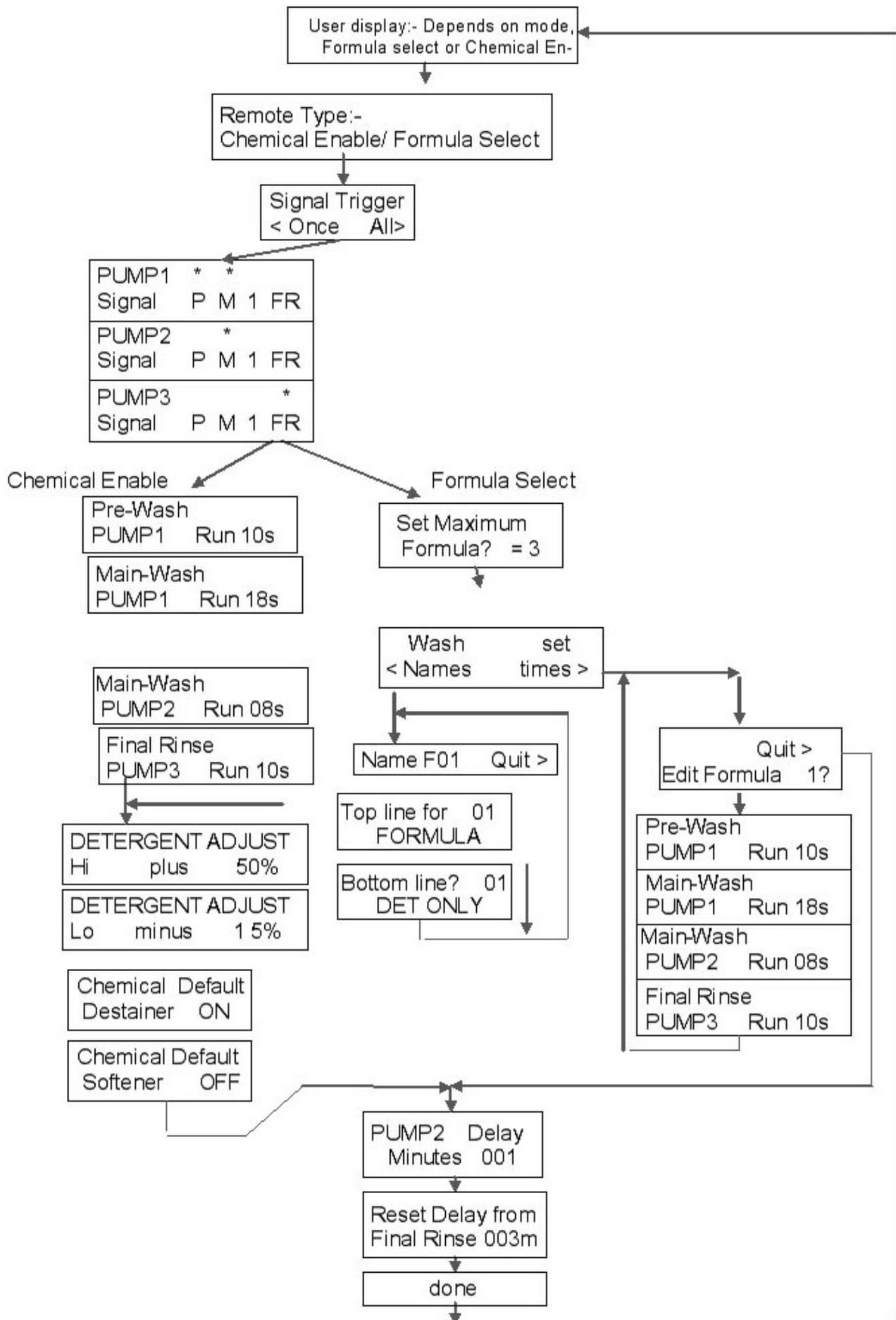
PIN CODE 33

This is for the installer and gives a live indication of the state of the machine signals as shown below. This would be showing a signal on Prewash and First Rinse.

 # #
Signal P M 1 FR

This is a useful function for diagnosing signal related dosing issues

MP Smart FLOWCHART iss1





A total commitment to guaranteed reliability has led to Seko being utilised in many types of industry, waste management, water treatment, dairy food and beverage among them.

We operate to the highest quality standards (ISO 9001) throughout the company in research and development, manufacturing and product testing, service and user training.

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