

### Routine Maintenance

#### Tube Changing

**ALWAYS MAKE SURE THE MP4 IS SWITCHED OFF  
BEFORE CARRYING OUT ANY MAINTENANCE WORK**

The peristaltic tubing will need replacing every 3-6 months dependent on use. To change the tube you should follow the steps below.

1. Undo the two posidrive screws at the top of the pump face, and remove the pump face cover.
2. The tubing can now be removed. The new tubing which has to be exactly the same type as the original tube can now be fitted. (Please see spare parts page 15)
3. Replace the pump face cover by clipping in from the top down. Replace the two holding posidrive screws.
4. Please ensure the tubing is not pinched during this operation.

# seko

## MP4 LAUNDRY CHEMICAL SYSTEM



### Installation and Operating instructions

*Dispensing technology by Seko*

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## PART 3                    SET UP INSTRUCTIONS WITH 9 PROGRAM REMOTE

### BLUE SWITCH BLOCK SETTINGS

← Dil Switch →

Remote type	3 Button	1	■	9 Program
Auto Destain	Off	2	■	On
Not Used		3	■	Not Used
Reset delay	4.5mins	4	■	6.5mins (Non retrig)
Retrig	(multi shot)	5	■	Non retrig (one shot)
CAL	normal	6	■	Calibrate

### WIRING AND CALIBRATION WITH 9 PROGRAM REMOTE (Dil Switch 1 to the right)

Connect each wire to terminal with that colour labelled on the board.  
E.G. Red to RED, Brown to BRN, Orange to ORA etc.

#### Calibration ( With 9 Program (single button) remote)

Switch ON with the CAL switch (DIL sw 6) to the right.

The display will show the program number as the left digit flashing.

The program number can be set using the **PROG** button on the pcb or the remote. **NOTE:- Program 0 is only available in CAL mode and this program overwrites all programs.**

**The next program after '0' is 'FL09' where 09 is the flush over run time in seconds, this is increased by pressing button 1A, it goes up to 60 then back round to 0.**

Pressing any machine signal button will display it's calibration time, 'C' will flash briefly as the left digit then it will be replaced by the program number. Pressing a 2<sup>nd</sup> time will start to run the corresponding pump, pressing a 3<sup>rd</sup> time will stop the pump and save the calibration time (which has been counting up in seconds while the pump was running).

When Calibration is finished, switch the CAL switch (DIL switch 6) back to the left. Switch off then on or press the prog button.

**To Reset the Cycle Counter:** briefly link the two pins (labelled RCC) just above the display.

#### **NOTE:-**

#### **9 PROGRAM AUTO DESTAIN**

**TO TRIGGER DESTAINER AUTOMATICALLY FROM A MAIN WASH SIGNAL. SET DIL SWITCH 2 to ON.**

## PART 2

### SET UP INSTRUCTIONS WITH 3 BUTTON REMOTE

#### TO CALIBRATE HI AND LO SETTINGS AND DE-STAINER DELAY- FOR 3 BUTTON REMOTE

While in CAL mode.

Press the PROG button (bottom right corner of the board)

The Display will show ' Hi 00 ' ( 00 is just an example )

Press the '1B' button to change the number...it will cycle through 0,5,10,15,20,25 until the button is released. (Button 1B is used because this is the Main wash signal and Hi Lo adjustment only effects the Main wash).

The number is the **% of extra detergent added** onto the main wash when Hi is selected.

Press the PROG button again to set the Lo level in the same manner, this is the **% subtracted** from the Main wash.

Press the PROG button again, the display will show ' dL 0 '. ( DELAY )

Pressing the '2' button (destainer signal) will cycle this from 0 to 4, the number is the Destainer Delay in **MINUTES** in addition to the 4.25 second delay which it usually has. Press PROG again, the display will show CAL, switch the CAL switch (DIL switch 6) back to the left.

The unit is now in its normal running mode.

**To Reset the Cycle Counter:** briefly link the two pins (labelled RCC) just above the display.

## PART 1

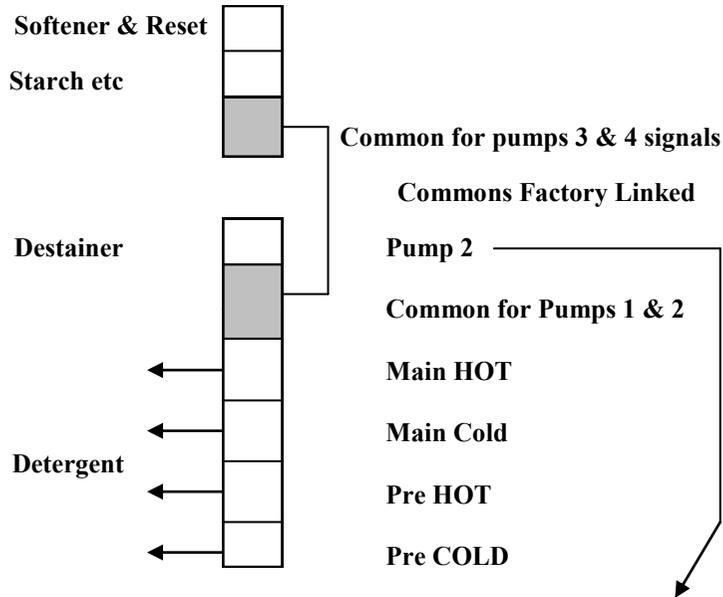
### MECHANICAL INSTALLATION

- Locate the MP4 pump unit behind the laundry machine as close to the chemical containers as you can trying to avoid direct heat, moisture or steam.
- The fixing holes in each corner of the MP4 (with the lid open) 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.
- 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.
- If a flush manifold is being used the outlet of each pump should be connected into the manifold. The outlet from the manifold should then be connected to the laundry machine as recommended by the machine manufacturer.

## PART 1 ELECTRICAL CONNECTIONS

**Always ensure the supply to the MP4 is switched off before opening**  
**The MP4 230V AC mains supply must be via a local isolator switch**  
**Live and neutral should be connected to the 2 way terminal block**  
**And the earth to the earth termination provided**

### MACHINE SIGNAL INPUTS



**If using the 3 button Remote Selector Pump 2 is triggered automatically from a Main signal and doesn't need a machine signal**

The machine signals are in two blocks for pumps 1&2 and Pumps 3&4, these have separate commons. The common terminals are connected, if separate commons are required, cut the link and wire as shown on the board.

Pump 1 (Detergent) has two inputs Pre and Main (corresponding to calibration buttons 1A and 1B) each of these is split into 2 for hot and cold solenoid connections. A main signal automatically triggers the Destainer (pump 2) which will run if selected on the remote.

Non Re-triggerable mode allows one dose from a Pre signal and one from a Main signal . . . . . If the main signal occurs first the pre is then inhibited. (eg you have a pre then a main signal), but you can't have a main then a pre signal as the pre signal will then be ignored.

## PART 2 SET UP INSTRUCTIONS WITH 3 BUTTON REMOTE

### BLUE SWITCH BLOCK SETTINGS

		← Dil Switch →			
Remote type	3 Button	1	█	9 Program	
Softener default	P4 OFF	2	█	ON	
Destainer Default	P2 OFF	3	█	ON	
Reset delay	4.5mins	4	█	6.5mins (Non retrigger)	
Retrig	(multi shot)	5	█	Non retrigger (one shot)	
CAL	normal	6	█	Calibrate	

### CALIBRATION WITH 3 BUTTON REMOTE SELECTOR (Dil Switch 1 should be to the left)

Switch the MP4 unit on with the CAL switch (DII SW 6) to the right

The display will show CAL.

Pressing any machine signal button will display it's calibration time, pressing a 2<sup>nd</sup> time will start to run the corresponding pump, pressing a 3<sup>rd</sup> time will stop the pump and save the calibration time (which has been counting up in seconds while the pump was running).

Note:

1A is Prewash. (detergent)

1B is Mainwash. (detergent)

2 is Destainer

3 ( if it is used) is starch or some other product

4 is Softener and Reset signal.