

Pass Through Machines



Document number: 903.0016 Drawn up: 03/12/2013 Revision: A



Contents

Contents	Page Number
Introduction	3
Recommended Tools	4
Machine specifications	5-6
Site requirements	7-8
Table Layout	9
Installation Instructions	10-11
Commissioning Instructions	12-14
Work Instructions	15-16
Water Systems	17-21
Electrical Component Data	22
Control Panel Layouts	23-26
Switch Panels	27-28
Cam Timers	29-31
Contactor & Relays	32-36
Thermostat Wiring	37-38
Element & Safety Thermostats Wiring	39-40
Components Wiring LM-P3-STD-09	41-42
Components Wiring LM-P3-H957AS	43-46
Water softener layout	47-48

Drawn up: 03/12/2013 Document number : **903.0016**



Introduction

CAREFULLY READ THESE INSTRUCTIONS, BEFORE INSTALLING AND OPERATING OR REPAIRING THIS APPLIANCE.

INCORRECT INSTALLATION, ADAPTATIONS OR ALTERATIONS COULD RESULT IN INJURY OR DAMAGE TO PROPERTY.

MALICIOUS DAMAGE, DAMAGE DUE TO NEGLIGENCE, OR FAILURE TO COMPLY WITH THESE INSTRUCTIONS AND LOCAL LEGISALTION, OR UNAUTHORISED TAMPERING WILL INVALIDATE ANY WARRANTY AND RELIEVE THE MANUFACTURER OF ALL LIABILITY

DAMAGE CAUSED DUE TO THE LACK OF, OR INCORRECT USE OF A WATER SOFTNER, OR LIMESCALE DAMAGE WILL NOT BE COVERED BY THE MANUFACTURES WARRANTY

Introduction

Prior to reading this manual, it is essential that you are familiar with the contents and subject matter covered within the 'Installation & Operators Manual'.

Installation:

Installation should only be carried out by a 'Classeq' approved / trained technician, and in accordance with current regulations and within our instructions.

Repairs and spare parts:

The appliance must only be repaired by a 'Classeq' approved / trained technician, using genuine 'Classeq' spare parts, failure to do so could invalidate any warranty and relieve the manufacture of all liability.

Modification:

'Classeq' reserves the right to modify either the appliance or the contents of these instructions without notice

Drawn up: 03/12/2013 Document number : **903.0016**



Recommended Tool Kit

Recommended hand tools		
	5.5mm - Spanner / nut runner / socket	
	7.0mm - Spanner / nut runner / socket	
	8.0mm - Spanner / nut runner / socket	
	10.0mm - Spanner / nut runner / socket	
	10mm to 18mm - Adjustable spanner	
	Pliers	
	2.5mm - Alan key	
•	4.0mm - Alan key	
	No. 2 - Pozi screw driver	
207 (-1)	Electric screw driver (small)	
	Flat bladed screw driver (large)	
	Wire cutters	
	Wire crimpers	
	Multi meter Capable of measuring Volts (10v ~ 240v AC) Amps (0 ~ 20 Amps Ohms (0 ~ 30MΩ)	

Document number: 903.0016 Drawn up: 03/12/2013 Revision: A



Machine Specifications

Specification		Hydro 857A	Hydro 957A
Width	Excluding handle	630mm	630mm
	Including handle	730mm	730mm
Depth	Excluding handle	720mm	720mm
	Including handle	945mm (max)	945mm (max)
Height	Hood open	1890 - 1940mm	1890 - 1940mm
	Hood closed	1470 - 1520mm	1470 - 1520mm
Rack size (square)	1	500mm	500mm
Maximum plates per ra	ick	18	18
Wash chamber entry h	eight	410mm	410mm
Operating level		<70 db	<70 db
Net weight	Empty	83 kg	83 kg
	Fully loaded	130 kg	130 kg
	Shipping	95 kg	95 kg
Rinse pump		√	✓
Detergent pump		Optional	Optional
Rinse aid pump		✓	✓
Cycle time	Short cycle	1 ½ minute	1 ½ minute
	Long cycle	3 minute	3 minute
Water connection		3/4" BSP	3/4" BSP
Water inlet height from	floor	250mm	250mm
Drain type	Gravity	Optional	Optional
	Pumped	✓	✓
Drain size	1	Ø 40mm	Ø 40mm
Operating voltage	220~240v (1ph)	Optional	×
	380~415v (3ph)	✓	✓
Total Amps required	32 A	Optional	×
	13 A per phase (3ph)	✓	×
	17 A per phase (3ph)	×	✓
Total load	1	6.84 kW	9.48 kW
Wash tank element		3 x 1.35 kW	3 x 1.35 kW
Rinse tank element		3 x 2.00 kW	3 x 2.88 kW
Wash pump size		0.742kW	0.72 kW
Wash pump capacity		380 litres / min	380 litres / min
Wash tank capacity		39 litres	39 litres
Wash water operating temperature		55℃	55℃
Rinse boiler capacity		7.5 litres	7.5 litres
Rinse water operating	temperature	80 °c	80℃
Rinse water consumpti	on	2.75 to 3.5 litres	2.75 to 3.5 litres

Drawn up: 03/12/2013 Document number : **903.0016**



Specification		Hydro 957AS	Hydro 957AS/WS	
Width	Excluding handle	630mm	630mm	
	Including handle	730mm	730mm	
Depth	Excluding handle	720mm	720mm	
	Including handle	945mm (max)	945mm (max)	
Height	Hood open	1890 - 1940mm	1890 - 1940mm	
	Hood closed	1470 - 1520mm	1470 - 1520mm	
Rack size (square)		500mm	500mm	
Maximum plates per ra	ack	18	18	
Wash chamber entry h	eight	410mm	410mm	
Operating level		<70 db	<70 db	
Net weight	Empty	83 kg	83 kg	
	Fully loaded	130 kg	130 kg	
	Shipping	95 kg	95 kg	
Rinse pump		✓	✓	
Detergent pump		Optional	Optional	
Rinse aid pump		✓	✓	
Cycle time	Short cycle	1 ½ minute	1 ½ minute	
	Long cycle	3 minute	3 minute	
Water connection		3/4" BSP	3/4" BSP	
Water inlet height from	floor	250mm	250mm	
Drain type	Gravity	Optional	Optional	
	Pumped	✓	✓	
Drain size		Ø 40mm	Ø 40mm	
Operating voltage	220~240v (1ph)	Optional	×	
	380~415v (3ph)	✓	✓	
Total Amps required	32 A	Optional	×	
	13 A per phase (3ph)	×	×	
	17 A per phase (3ph)	×	√	
Total load		12.84 kW	12.84 kW	
Wash tank element		3 x 1.35 kW	3 x 1.35 kW	
Rinse tank element		3 x 2.00 kW	3 x 2.00 kW	
Wash pump size		0.742kW	0.72 kW	
Wash pump capacity		380 litres / min		
Wash tank capacity		39 litres	39 litres	
Wash water operating temperature		55℃	55℃	
Rinse boiler capacity		7.5 litres	7.5 litres	
Rinse water operating	temperature	80℃	2008	
Rinse water consumpt	ion	2.75 to 3.5 litres 2.75 to 3.5 li		

Drawn up: 03/12/2013

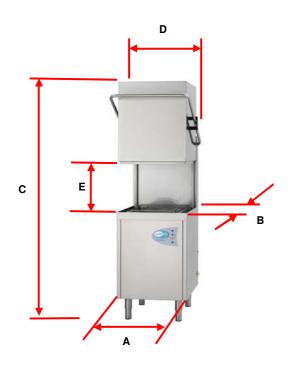
Document number: 903.0016



Site Requirements

Front Loading:

Dimensions:



Dimensions (mm)		Hydro 857	Hydro 957
Machine	'A' = Width (excluding handle)	630	630
	'B' = Depth (excluding handle)	720	720
'C' = Height (hood open)		1890-1940	1890-1940
	'C' = Height (hood closed)	1470-1520	1470-1520
	'D' = Width across handle		730
	'E' = Clear entry height	410	410

Misc.	Hydro 857	Hydro 957
Machine fully loaded weight	130 kg	130 kg
Operating noise levels	<70db	<70db

Electric Supply:

Electrical connection:

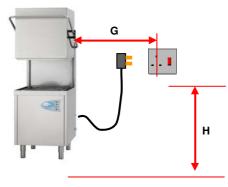
Electrical connections MUST be carried out in accordance with local regulations. As a minimum Classeq recommends the following standards are maintained:

All appliances are connected via a residual current device (R.C.D.) or earth leakage protection device.

EN 60204 - Supply isolator switch has all pole separation of more than 3mm.

EN 60335 - Connect to an equi-potential conductor, connection stud located at rear of appliance, this is in addition to the earthed electrical supply.

Prior to connecting the appliance, ensure voltage and supply fuse comply with rating plate.



Electr	rics	Hydro 857	Hydro 957
Volts	220~240v (1 Phase)	Optional	×
	380~415v (3 Phase)	✓	✓
Amps	32 Amps	Optional	×
	13 Amps per phase	✓	×
	17 Amps per phase	×	✓
	22 Amps per phase	×	Hydro 957AS models only
Max tot	tal load	6.84kW	9.48kW 12.84kW (Hydro957AS)

Electrical supply (mm)		Hydro 857	Hydro 957
Max. position of electrical supply socket	' G ' = Width	700	700
	' H ' = Height	1550	1550

Drawn up: 03/12/2013 Document number: 903.0016 Revision: A

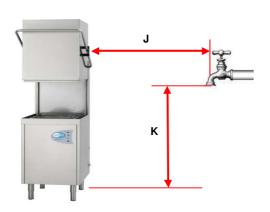


Note! Electrical supply can be either side of appliance, appliance are not supplied with electrical plugs. If the supply cable is damaged, it must be replaced by a cable or cord assembly supplied by Classeq, or its service agents, or to the following minimum specification.

Machine rating	Cable type	Temp. rating	Length of cable	Conform to
220-240V / 1N~ / 32A	PVC 3G 4.0			
380-415V / 3N~ / 13A	PVC 5G 2.5	80℃ minimum	2.75m	IEC 60335-2-58
380-415V / 3N~ / 17A	PVC 5G 2.5		2.7 3111	IEC 60227 types 56 & 57
380-415V / 3N~ / 22A	PVC 5G 6.0			

For electrical rating of appliance refer to rating plate located on appliance or in this manual.

Water Inlet:



			ſ		
		Hydro 857	Hydro 957		
Temperature range		5 - 55℃			
Pressure	0~2 bar	Booster pump req'd			
	2~4 bar	No modification			
	4~6 bar	Flow restrictor req'd			
	6 bar +	Pressure reducing valve req'd			
Flow rate		4 litres	/ min		
Water connection		3/4" BSP			
Max. position of water supply (mm)	'J' = Width	650 600			
	'K' = Height	650	650		

Note! Water supply can be either side of appliance

Water connection:

The appliance comes with a water supply hose requiring a $G^{3/4}$ " ($^{3/4}$ " BSP) male threaded connection at the mains water supply, upon installation and commissioning all water joints must be checked for leaks.

Old existing, defective or damaged water supply hoses are NOT to be used when installing the appliance.

Commercial appliance wash results will be affected by external conditions such as incoming water temperature, pressure, harness and choice of chemicals.

For the longevity of any water related devices and to ensure you get consistently good results it is essential your machine is either fed from a soft water supply, or your Classeq appliance is connected to an appropriate water softener.

IMPORTANT - All supplier warranties are void if lime scale is present within an appliance.

Waste outlet:



Note! Drains can be either side of appliance

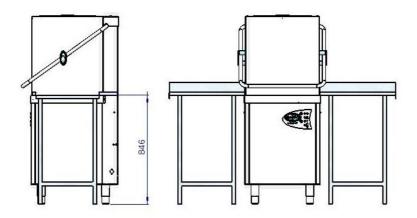
Drainage dimensions		
(,	Hydro 857	Hydro 957
Drain stand pipe diameter	35	35
'L' = Max. distance from machine	400	400
'M' = Drain pipe height (Gravity drain)	0 - 350	0 - 350
'M' = Drain pipe height (Drain pump)	0 - 700	0 - 700

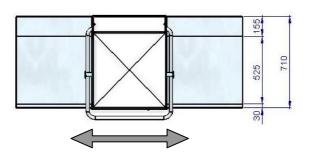
Drawn up: 03/12/2013 Document number : **903.0016**

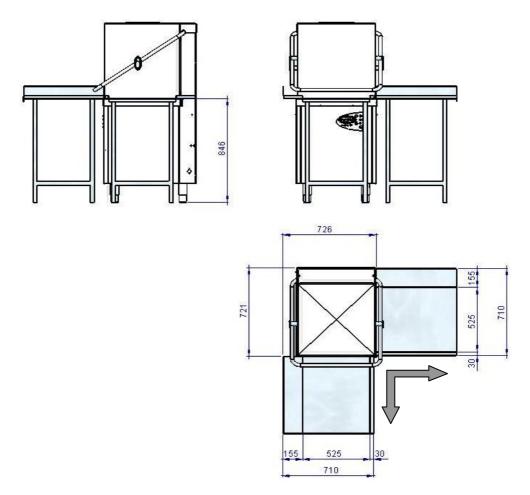
Page 8 of 47 Revision: A



Table Layouts







Drawn up: 03/12/2013

Document number: 903.0016



Installation Instructions

The site:

Ensure that there is sufficient space for the installation, servicing and easy access to all mains isolator switches / valves (i.e. electricity and water).

As the machine weighs in at approx 130kgs (20 ½ stone), ensure that the surface the appliance is going to be installed onto is adequately stable and capable of supporting the appliance during normal operation (see site requirements).

Once installed ensure the appliance is stable, with its weight being distributed equally and does not tilt more than 3° in any direction.

Adjuster feet:



While removing the machine from the transport pallet, attach the 4 adjuster feet to the underside of the machine, use the fixing supplied and ensure all the feet are securely fixed.

Electrical connection:



All electrical connections MUST be carried out by an authorised technician and in accordance with local regulations.

As a minimum 'Classeq' recommends that the following standards are maintained:

All appliances are connected via a residual current device (R.C.D.) or earth leakage protection device.

EN 60204 Supply isolator switch must have all pole separation of more than 3mm.

EN 60335 The appliance must be connected to an equi-potential conductor, the connection stud is located at the rear of the appliance (a suitable ring terminal shall be required), this is in addition to the earthed electrical supply.

Prior to connecting the appliance, ensure that the voltage and the supply fuse complies with the rating plate on the appliance.

Electrical rating:

The '*Classeq*' H857 can be either down rated or up rated electrically, such a procedure <u>MUST</u> be carried out by a '*Classeq*' approved technician.



The down / up rating of the machine is carried out by configuring the terminal block within the appliance.

More details in terminal block configuration section.

Water connection:

The appliance comes with a water supply hose requiring a $G^{3/4}$ " ($^{3/4}$ " BSP) male threaded connection at the mains water supply, upon installation and commissioning all water joints must be checked for leaks).

Commercial appliance wash results will be affected by external conditions such as incoming water temperature, pressure, water hardness and choice of chemicals

For the longevity of any water related devices and to ensure you get consistently good results it is essential your machine is either fed from a soft water supply , or your Classeq appliance is connected to an appropriate water softener.

Drawn up: 03/12/2013 Document number : **903.0016**





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Water supply restrictions:

Water supply constraints must be adhered to:

Incoming water temperature:

4°C minimum 55°C maximum

Supply water dynamic pressure:

0 to 2 bar (0 to 200kPa)
2 to 4 bar (200 to 400kPa)
4 to 6 bar (400 to 600kPa)

Rinse booster pump required.
No modifications required.
Flow restrictor required.

6 bar plus (600kPa plus) Pressure reducing valve required.

If the above requirements are not adhered to, the performance of the appliance will be impaired

Drainage systems:

Appliances are available as either gravity drain or pumped drain, upon installation the waste hose must be configured as shown within this manual, also all installations must be with a running / 'P' trap to ensure hygiene:

All appliances

- On drain pump appliances the flexible drain hose must be securely attached to the waste outlet of the underside of the appliance, on gravity drain appliances this will be already attached
- Ø40mm (1 ½") standpipe required, must be lower than the baseline of the appliance.
- Drain hose must be a close / tight fit into the drain pipe to reduce odours from the drain system.
- To ensure correct drainage, the height the sites drain is from the floor / surface the machine sits upon MUST be within the following.



0 to 300mm - Gravity drain machines 0 to 600mm - Drain pump machines



Note! If you have any doubts about the drainage system on the machine, please contact either *Classeq* or your dealer/agent.

Drawn up: 03/12/2013 Document number : **903.0016**



Commissioning Instructions

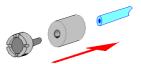
Rinse aid & Detergent:

Chemical pump(s) are located behind the front lower panel, prior to removing any panels all electrical supplies **MUST** be isolated. An Allen key is required for this operation.

A coil of PVC hose is attached to each chemical pump, un-coil PVC hose and feed through either the right or left hand slots located at the front of the base of the machine.

Prior to feeding the PVC hose into the chemical bottle, push the bottle weight supplied onto the end of each PVC hose.

Ensure the correct chemical tubes now go to the corresponding chemical bottles. (I.e. rinse aid hose into rinse aid bottle).





WARNING: Only rinse aids and detergents developed for commercial glass and dishwashers are to be used, rinse aids must be suitable for water temperatures down to 40 °C.

Priming of Rinse aid & Detergent:

This procedure is only required when commissioning the machine and not in normal operation

Ensure the machine is empty of water

Switch the water supply OFF

Now switch the machine ON at both the mains supply and at the fascia for 90 seconds only

Now switch the machine at the OFF at the fascia

Turn the water supply ON

The rinse aide will now be primed, the machine can now be switch ON and allowed to fill & heat as normal.

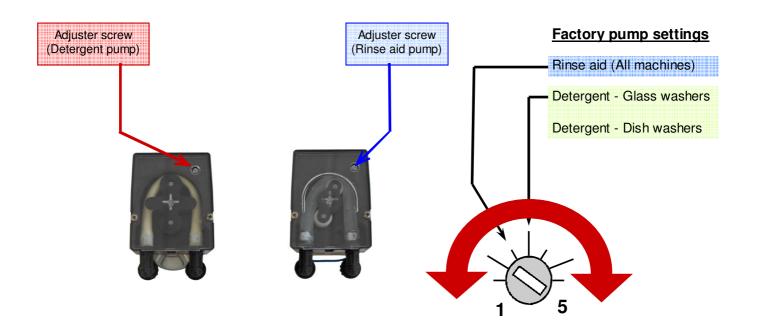
Chemical dosage:

Chemical doses are pre-set, however they can be adjustment to suit the Individual sites requirements, and such adjustment is made by turning an adjuster screw on each chemical pump

Drawn up: 03/12/2013 Document number : **903.0016**



Chemical Pumps:



Adjuster positions

			PUMP SETTINGS			
		Min				Max
Pump run	Run (seconds)	0	1.5	3	4.5	6
times	Stop (seconds)	6	4.5	3	1.5	0
Rinse aid	Dose rate (ml/sec)	0.00	0.05	0.09	0.14	0.18
	Dose rate (litres / hour)	0.00	0.16	0.32	0.49	0.65
	Dose per 6 seconds (ml)	0.00	0.30	0.50	0.8	0.9
	Dilution rate	-	1:3009	1:1641	1 : 1165	1:903
	Dilution as parts per litre	-	0.33	0.61	0.86	1.11
	Dilution as %	-	0.03 %	0.06 %	0.09%	0.11 %
Detergent	Dose rate (ml/sec)	0.00	0.35	0.69	1.04	1.39
	Dose rate (litres / hour)	0.00	1.25	2.5	3.75	5.00
	Dose per 6 seconds (ml)	0.00	2.10	4.20	6.30	7.00
	Dilution rate	-	1:390	1 :213	1 : 151	1:117
	Dilution as parts per litre	-	2.57	4.70	6.63	8.55
	Dilution as %	-	0.26 %	0.47 %	0.66 %	0.86 %

Drawn up: 03/12/2013 Document number : **903.0016**



Temperature settings:

The water temperatures on 'Classeq' range of machines are adjustable, but have been pre-set to:

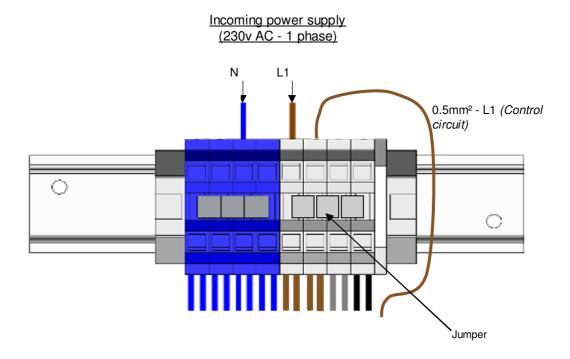
Machine	105 °C Thermo	stat positions
	Rinse thermostat	Wash thermostat
All Machines	Rinse temp 82ºC	Wash temp 55°C

Drawn up: 03/12/2013 Document number : **903.0016**



Work Instructions

Terminal block configuration (Single phase)



Note! The 'jumpers' between L1, L2 & L3 <u>MUST</u> be present. Removal of the jumpers will have detrimental effect on the rating of the machine.



WARNING

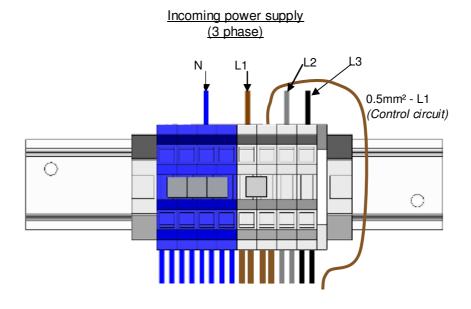
The Classeq H957 range <u>MUST</u> only ever be installed on 3 phase, as the amperage required for single phase operation would exceed 52 amps and the capacity of the electrical wiring within the machine.

Machine	Single phase - Electrical data (220 - 240v AC)				
type	kW Total	Amps (rating)	Supply cable size	Min. breaker size	
H857	6.84	32	4.0mm²	32 A	
H957	n/a	n/a	n/a	n/a	

Drawn up: 03/12/2013 Document number : **903.0016**



Terminal block configuration (3 phase)





WARNING

Classeq' 3 phase machines <u>MUST</u> have a Neutral supply, as all their internal components work at 230v AC and not at 415v AC.

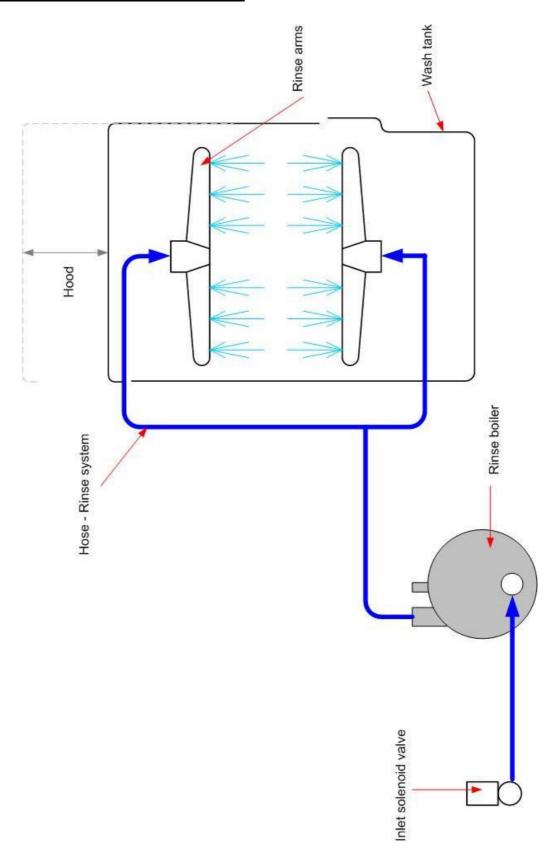
	3 phase + Neutral - Electrical data (380 - 415v AC)				
Machine type	kW Total	Amps per phase (rating)	Supply cable size	Min. breaker size per phase	
H857	6.84	13	2.5mm²	16 A	
H957	9.48	17	2.5mm²	20 A	
H957AS	12.84	22	6.0mm²	25 A	

Drawn up: 03/12/2013 Document number : **903.0016**



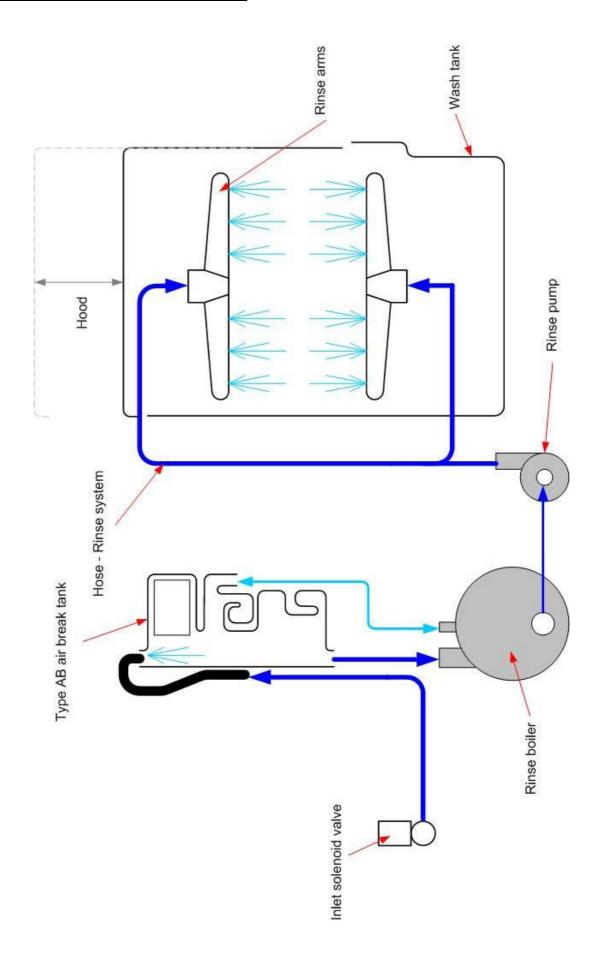
Water Systems

Rinse system (Pressurise machine):



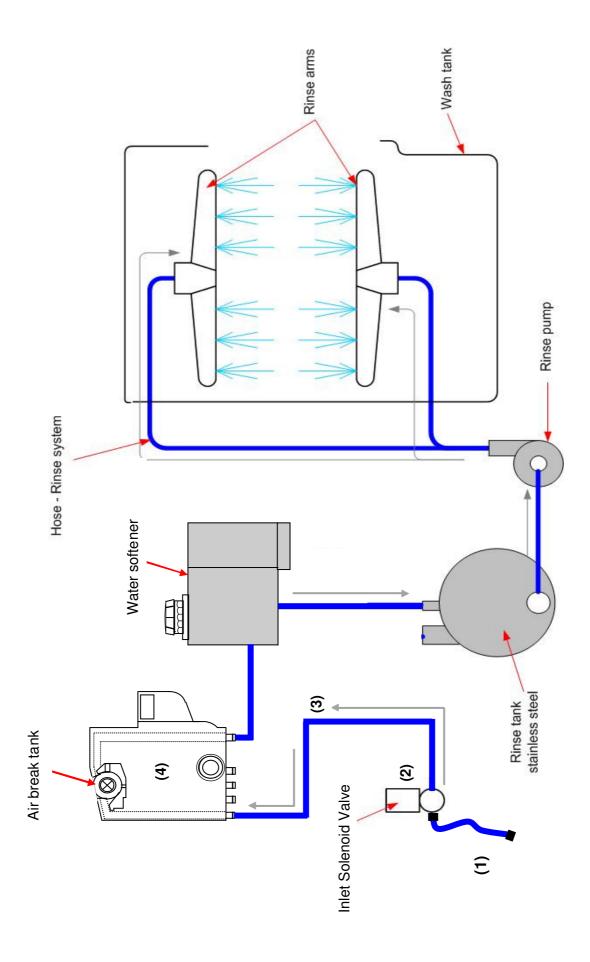


Rinse system (Air Break machine):



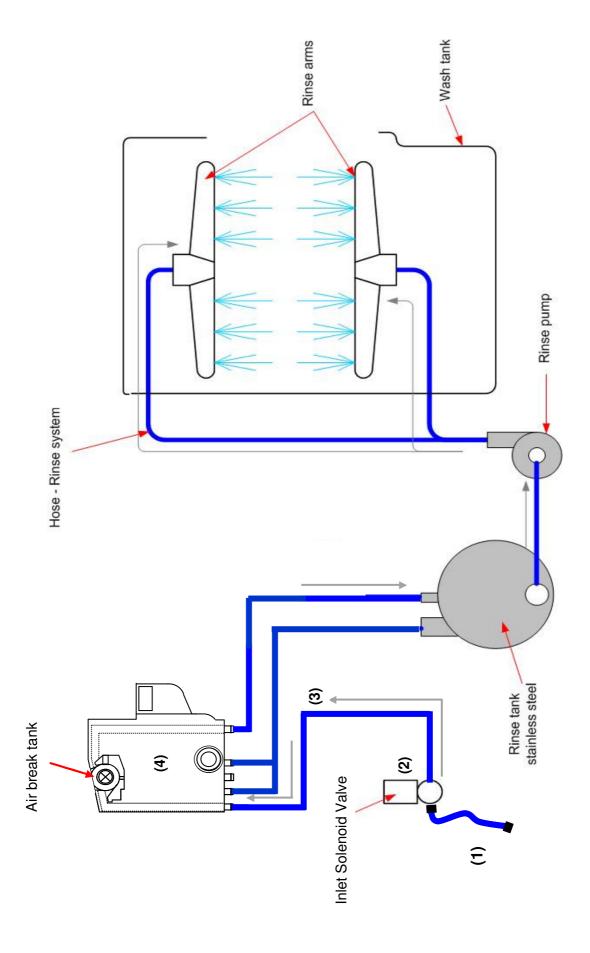


Rinse system (All Water softener)



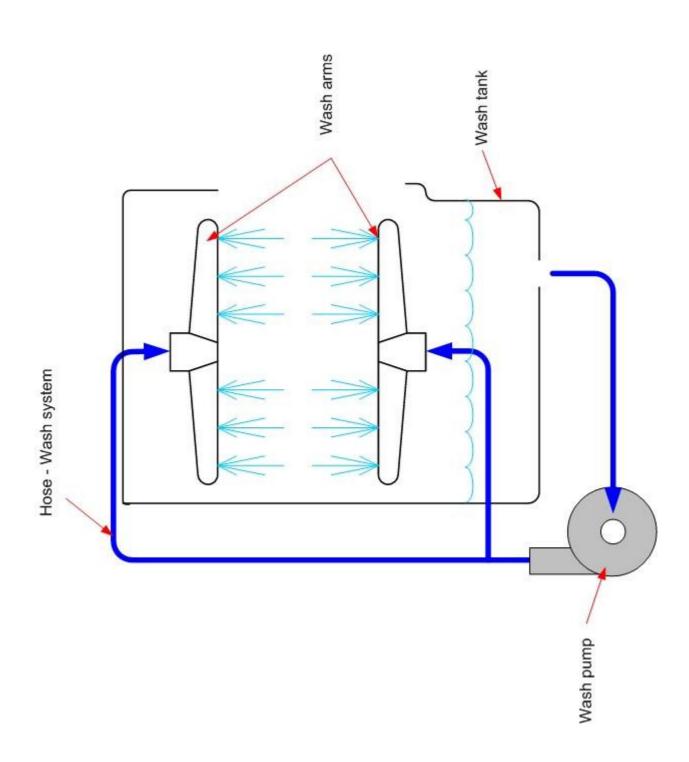


Rinse system (AS Machine)





Wash system (all machines):





Electrical Component Data

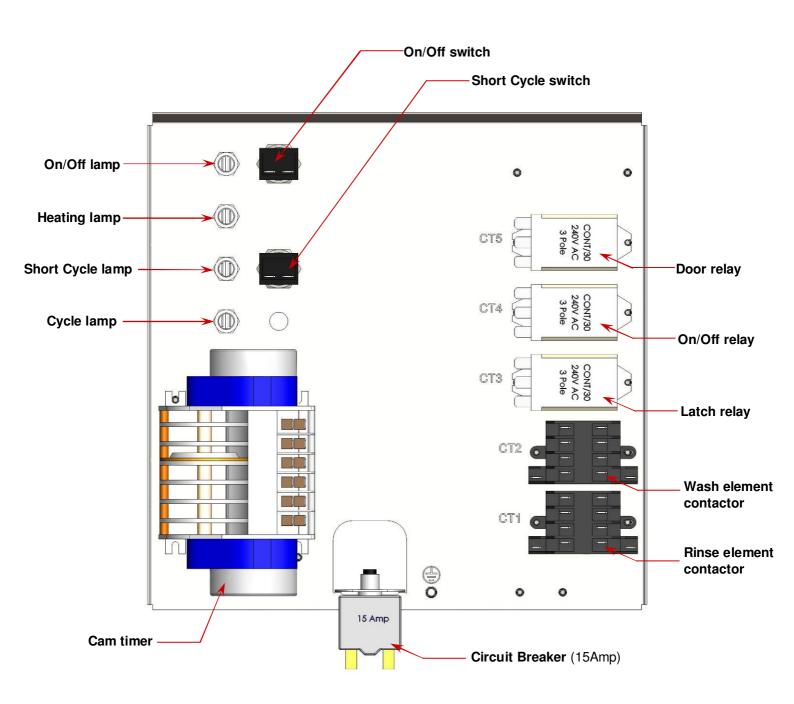
Con	nponent	Volts	Hertz	Amps	Watts	Ohms
Inlet solenoid valve (4 ltrs/min)	Hard water solenoid valve Y3/Y1 All machines	220 ~ 240v	50~60 Hz	-	-	-
Water softener	Solenoid valve Y5 (Brine to Resin valve)	220 ~ 240v	50~60 Hz	-	-	-
	Solenoid valve Y4 / Y6 (Waste brine valve)	220 ~ 240v	50~60 Hz	-	-	-
Siemens controller	8 inputs 4 outputs	220 ~ 240v	50~60 Hz	-	-	-
Rinse element	3 x 2.00 kW	220 ~ 240v	-	8.69 A per leg 26.09 A total	2,000w per leg 6,000w total	26.45 Ω per leg 8.82 Ω total
	3 x 2.88 kW (Hydro 957 only)	220 ~ 240v	-	12.52 A per leg 37.57 A total	2,880w per leg 8,640w total	18.37 Ω per leg 6.12 Ω total
Rinse pump		220 ~ 240v	50 Hz	1.17 A running	270 w	196 Ω
Wash element	1 x 2.00 kW (Under counter machines)	220 ~ 240v	-	8.69 A	2,000w total	26.45 Ω total
	3 x 1.35 kW (Hydro 857 & Hydro 957)	220 ~ 240v	-	5.87 A per leg 17.60 A total	1,350w per leg 4,050w total	39.18 Ω per leg 13.06 Ω total
Wash pump		220 ~ 240v	50 Hz	3.3 A running	720w	72.72 Ω
Drain pump		220 ~ 240v	50 Hz	0.13 A	30w	1,763 Ω
CAM timer	2 minute (Duo 3, Eco 3)	220 ~ 240v	50 Hz	-	-	-
	3 minute (Duo 750, Hydro 750)	220 ~ 240v	50 Hz	-	-	-
	1 ½ & 3 minute (Hydro 857 & Hydro 957)					
Contactors (Siemens)	3 pole Normally Open 1 pole Normally Closed Contactor	220 ~ 240v	50~60 Hz	-	-	-
Relays (Finder)	3 pole change over relay	220 ~ 240v	50~60 Hz	-	-	-
Rinse aid pump		220 ~ 240v	50~60 Hz	0.02 A	5.5w	9,918 Ω
Detergent pump		220 ~ 240v	50~60 Hz	0.02 A	5.5w	9,918 Ω
Indicator lamps	Amber	220 ~ 240v	50~60 Hz	-	-	-
	Blue	220 ~ 240v	50~60 Hz	-	-	-
	Green	220 ~ 240v	50~60 Hz	-	-	-
	Red	220 ~ 240v	50~60 Hz	-	-	-
	White	220 ~ 240v	50~60 Hz	-	-	-

Drawn up: 03/12/2013 Document number : **903.0016**



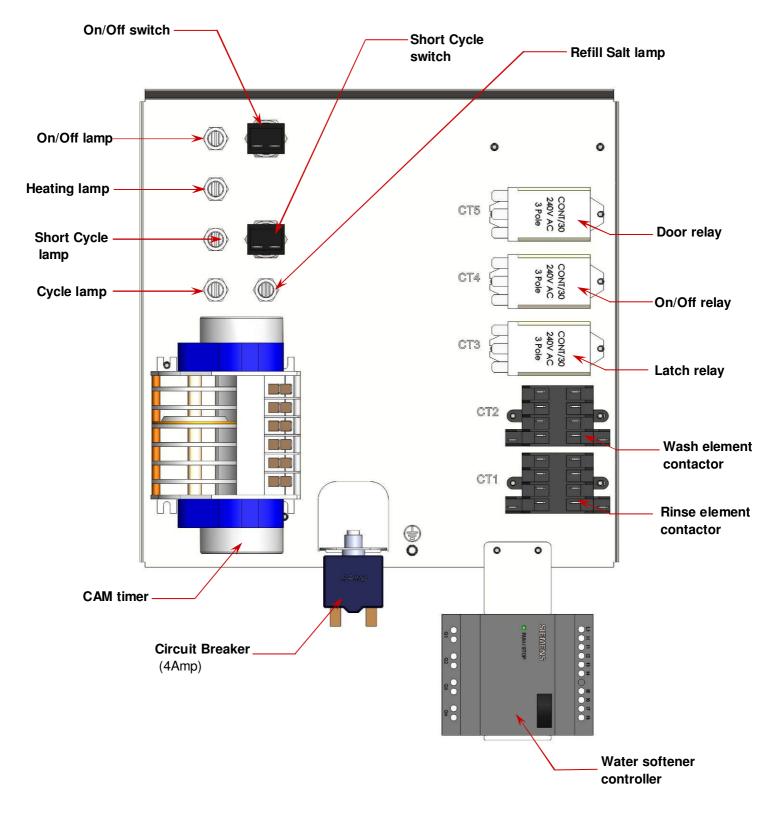
Control Panel Layouts

Standard Machines:



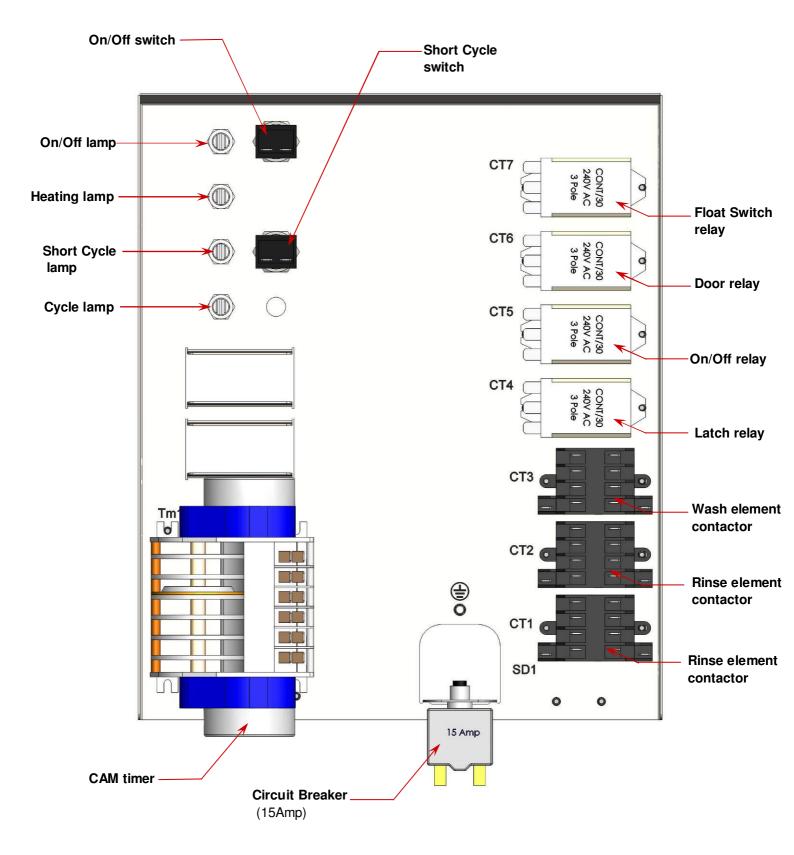


Water Softener machines:



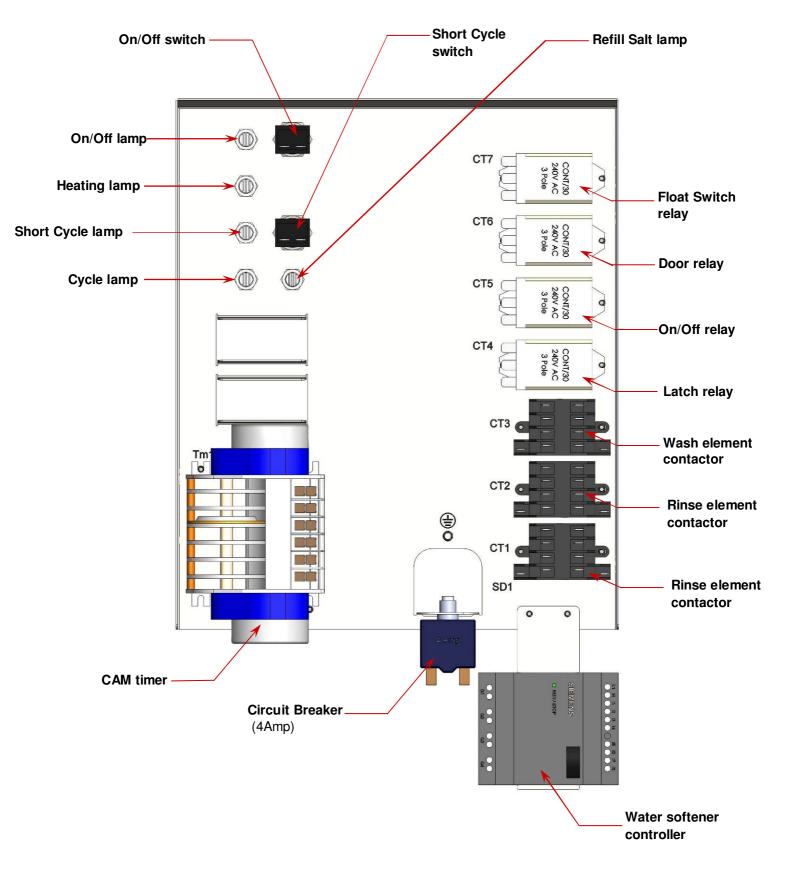


H957 AS machine:





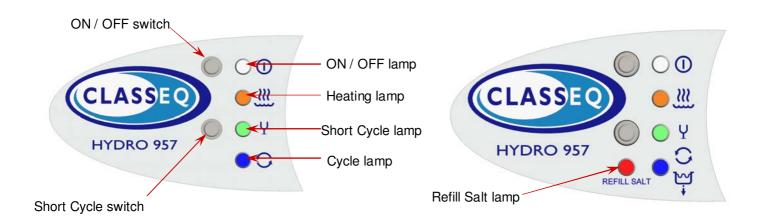
H957 AS / WS machine:

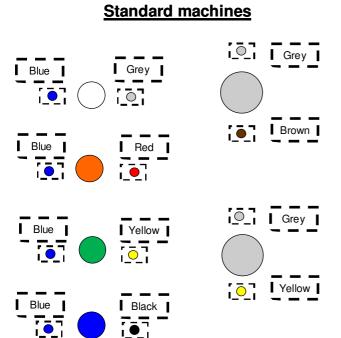


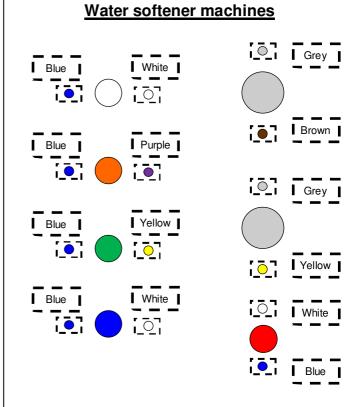


Switch Panels:

LM-P3-STD-09:

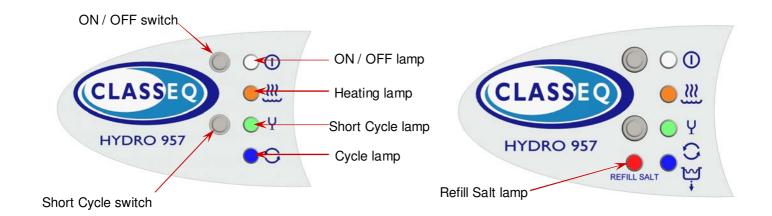


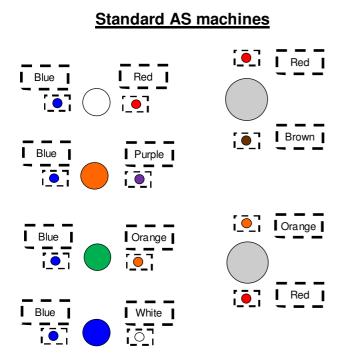


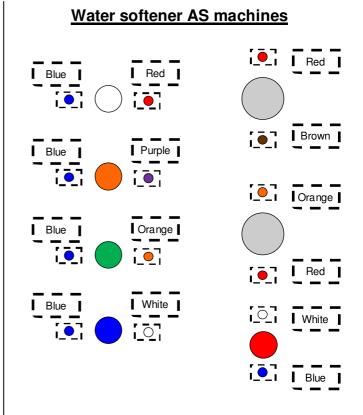




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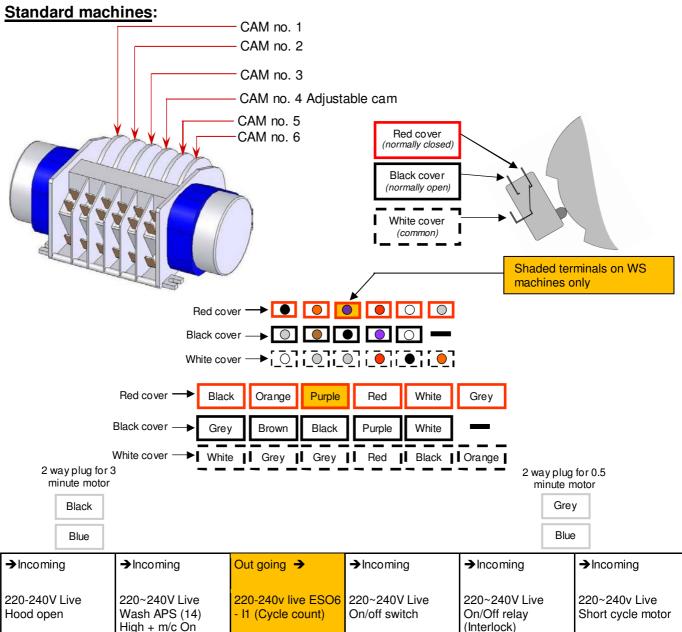












→Incoming	→Incoming	Out going ->	→Incoming	→Incoming	→Incoming
220-240V Live Hood open	220~240V Live Wash APS (14) High + m/c On	220-240v live ESO6 - I1 (Cycle count)	220~240V Live On/off switch	220~240V Live On/Off relay (Interlock)	220~240v Live Short cycle motor
→Incoming	→Incoming	Out going →	→Incoming	→Incoming	
220~240V Live Hood closed	220~240V Live Direct from TCB	220~240V Live Run Drain pump (m/c off) Run wash pump (m/c on)	220~240V Live Wash APS (12) Low	220~240V Live Cam 1 (11)	
Out going →	Out going →	→Incoming	Out going →	Out going →	Out going →
220~240V Live Start Cycle	220~240V Live Cycle timer run	220~240V Live Cycle run	220~240V Live Run Rinse Pump	220~240V Live Run Cycle Timer	220~240v Live Short Cycle Switch

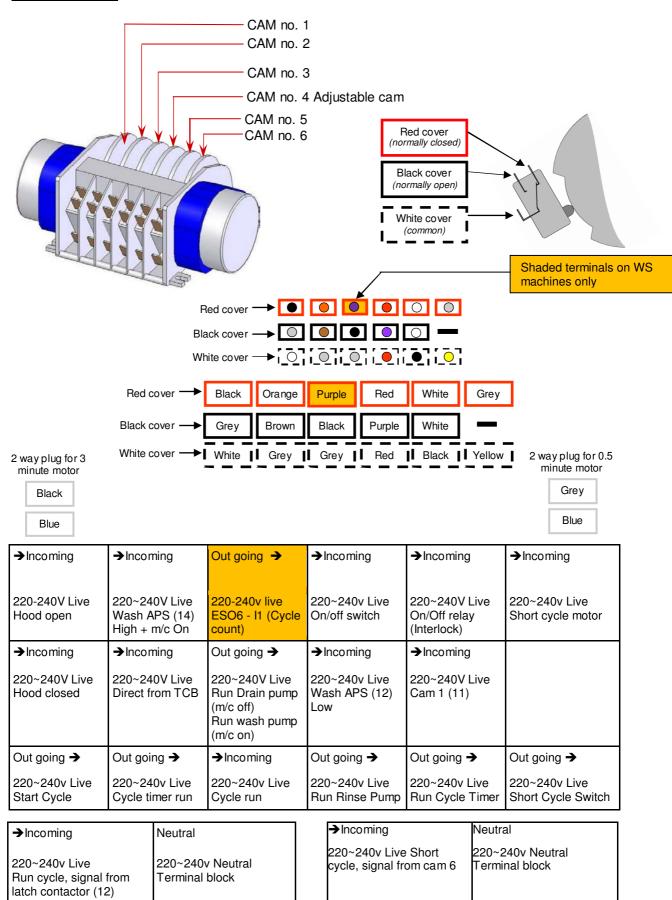
→ Incoming	Neutral
220~240v Live Run cycle, signal from latch contactor (12)	220~240v Neutral Terminal block

→Incoming	Neutral
220~240v Live Short	220~240v Neutral
cycle, signal from cam 6	Terminal block

Drawn up: 03/12/2013 Document number : **903.0016**

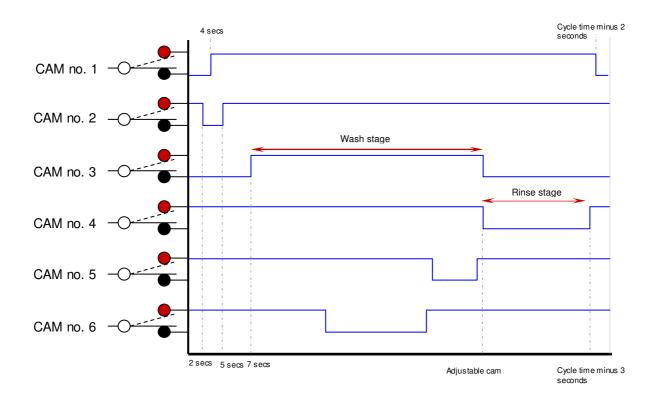


AS machines:



Drawn up: 03/12/2013 Document number : **903.0016**

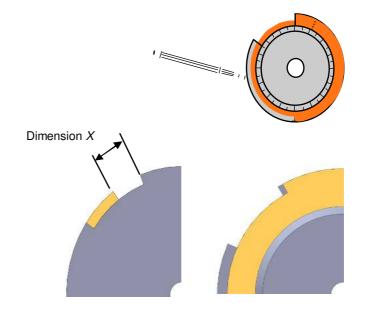




Adjusting Cam 4

Cam 4 can be adjusted to increase and decrease the length of the rinse cycle for the optimal finished quality without wasting water. To do this use an Allen key to turn the screw on the orange section to adjust "Dimension X" as follows:

Defaults to give 2.75 litre rinse volume		
MACHINE	Dimension X	
Hydro 857 / 957	Fully open	
Hydro 857A / 957A / 957AS / 957WS / 957AS/WS	7mm	



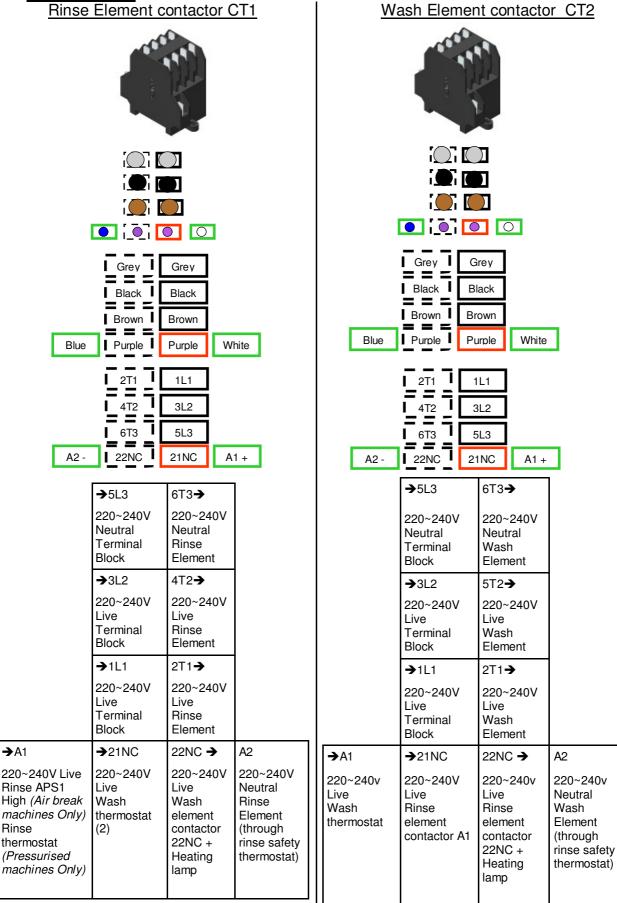
Drawn up: 03/12/2013 Document number : **903.0016**



Contactors & Relays

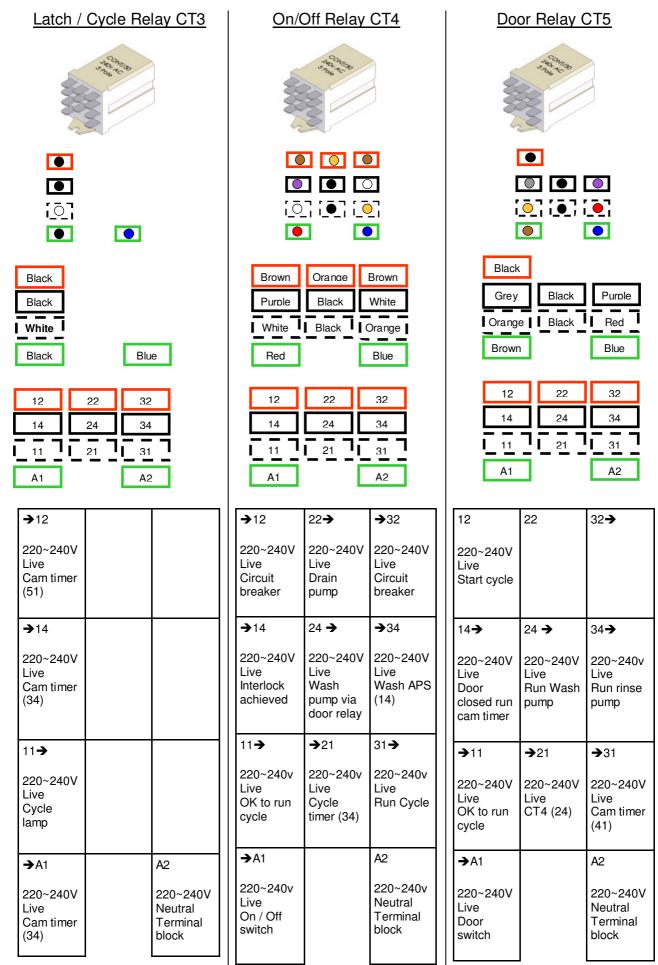
LM-P3-STD-09

→A1



Drawn up: 03/12/2013 Document number: 903.0016 Revision: A

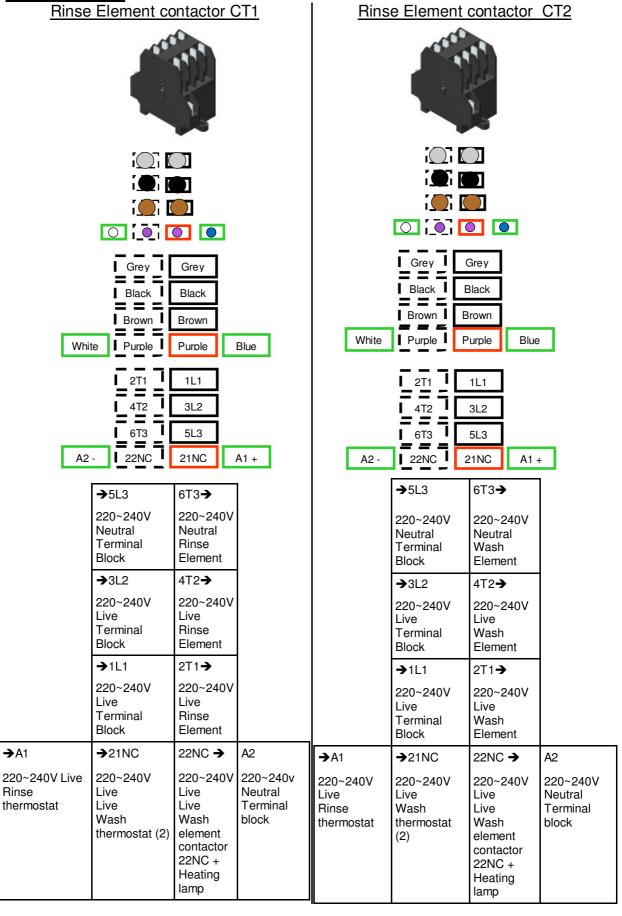




Document number: 903.0016 Drawn up: 03/12/2013 Revision: A

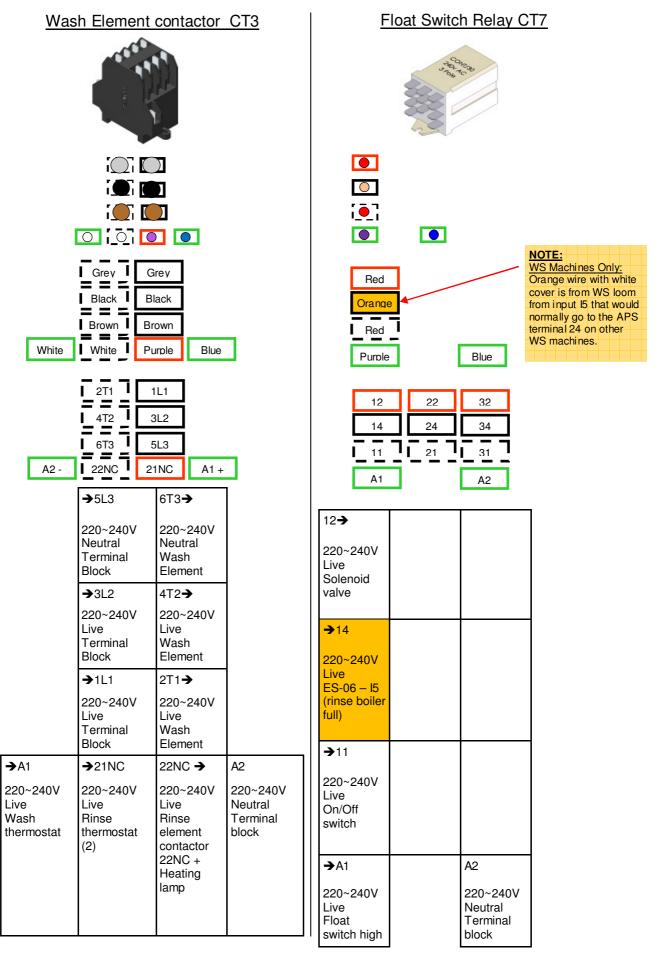


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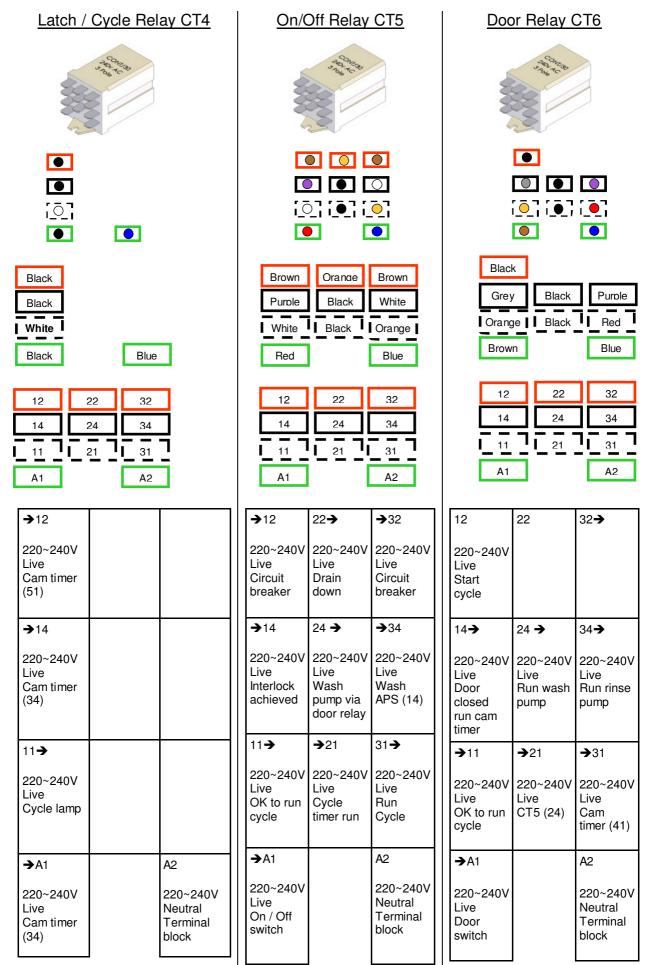


Document number: 903.0016 Drawn up: 03/12/2013 Revision: A







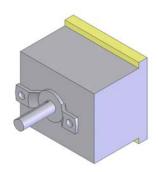




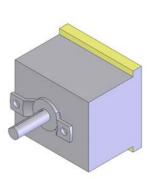
Thermostats Wiring

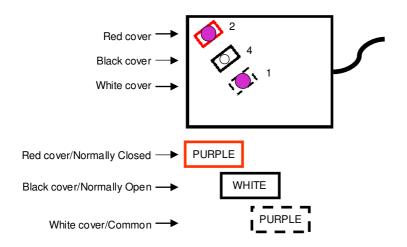
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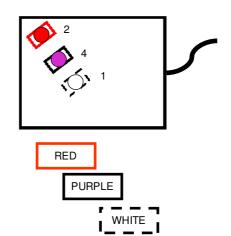
Wash Thermostat



Rinse Thermostat







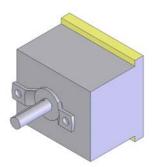
Drawn up: 03/12/2013

Document number: 903.0016

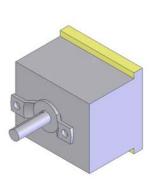


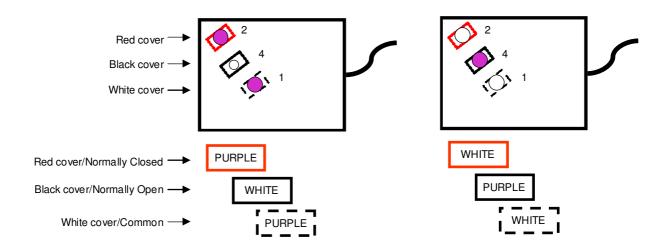
LM-P3-H957AS:

Wash Thermostat



Rinse Thermostat



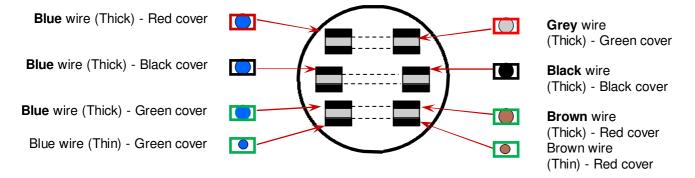


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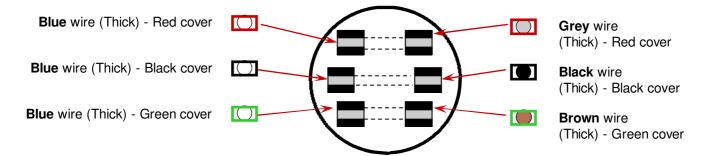


Element & Safety Thermostats Wiring

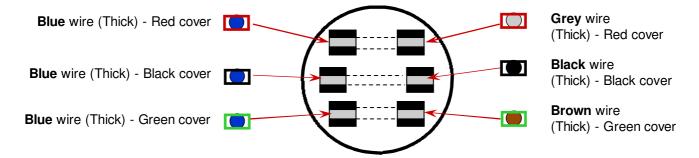
Rinse element wiring using loom LM-P3-STD-09



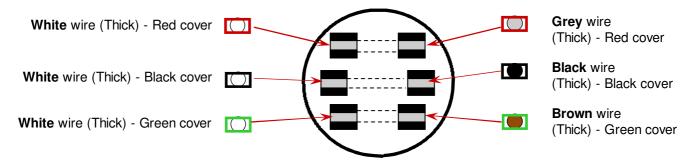
Rinse element wiring using loom LM-P3-H957AS



Wash elements wiring using loom LM-P3-STD-09



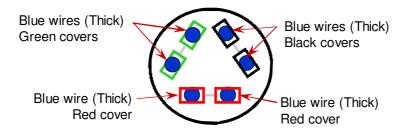
Wash elements wiring using loom LM-P3-H957AS



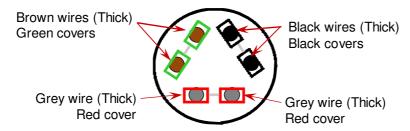
Document number: 903.0016 Drawn up: 03/12/2013 Page 39 of 47



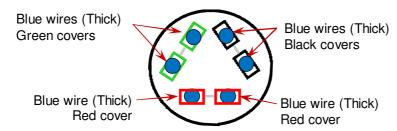
Rinse saftey thermostat LM-P3-STD-09



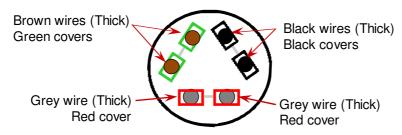
Rinse safety thermostat LM-P3-H957AS



Wash safety thermostat LM-P3-STD-09



Wash safety thermostat LM-P3-H957AS



Drawn up: 03/12/2013 Document number : **903.0016**



Components Wiring LM-P3-STD-09

Component	Part number & description	Wiring configuration
	Drain Pump	Blue Wire / Orange Wire / White Crimp
	Wash Air pressure Switch	22/24/21 11/14/12
	Rinse Air pressure Switch	22 / 24 / 21 11 / 14 / 12
	Inlet Solenoid Valve	Blue Wire / Red Wire / White Crimp
DETERGENT THINGS AND	Rinse Aid & Detergent Pumps	Detergent Rinse Aid
	Wash Pump	Grey Blue Black Grey
	Rinse Pump	Purple Double Purple Double Blue

Drawn up: 03/12/2013 Document number : **903.0016**

Page 41 of 47 Revision: A



Da da	Rinse Prime Switch	Red Wire / Red Crimp White Wire / Pack Crimp Black Wire / Pack Crimp Black Wire / Pack Crimp
	Quick Start Thermostat	Red Wire / White Wire / White Crimp White Crimp
	Circuit Breaker	Brown Wire / Brown Wire / White Crimp

Drawn up: 03/12/2013 Document number : **903.0016**

Page **42** of **47**



Components Wiring LM-P3-H957AS

component	Part number & description	Wiring configuration
	Drain Pump	Blue Wire / Orange Wire / White Crimp
	Wash Air pressure Switch	22/24/21 11/14/12
	Inlet Solenoid Valve	Blue Wire / Red Wire / White Crimp
DETERGENT MINISTRA	Rinse Aid & Detergent Pumps	Detergent Rinse Aid
	Wash Pump	Grey Blue Black Grey
	Rinse Pump	Purple Double Purple Double Blue
No de	Rinse Prime Switch	Red Wire / Red Crimp Black Wire / T - T - T - T - T - T - T - T - T - T

Document number: 903.0016 Drawn up: 03/12/2013 Revision: A

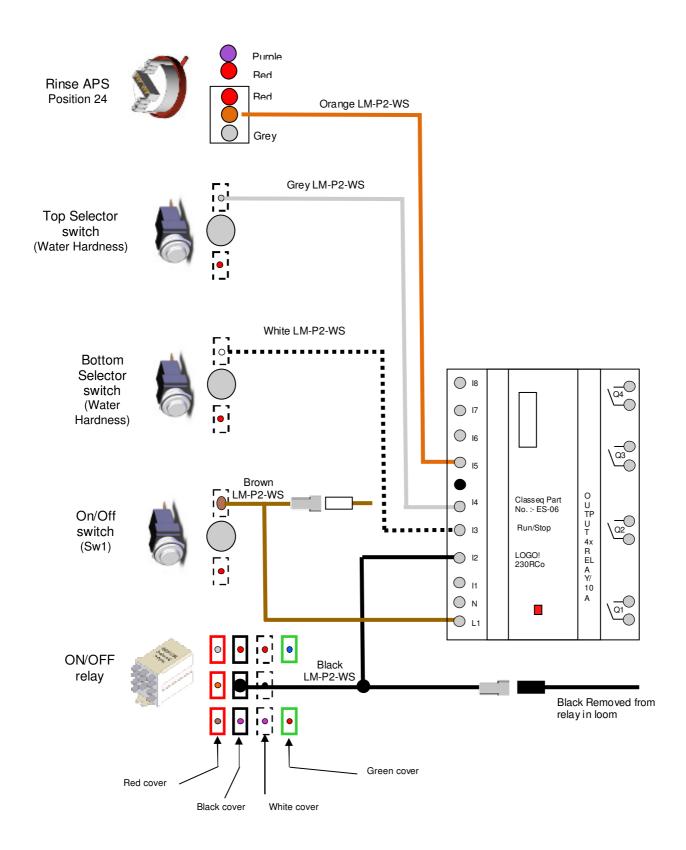


Quick Start Thermostat	Red Wire / Red Wire / White Crimp White Crimp
Circuit Breaker	Brown Wire / Brown Wire / White Crimp White Crimp
Float Switch	Red Wire / Purple Wire / White Crimp White Crimp

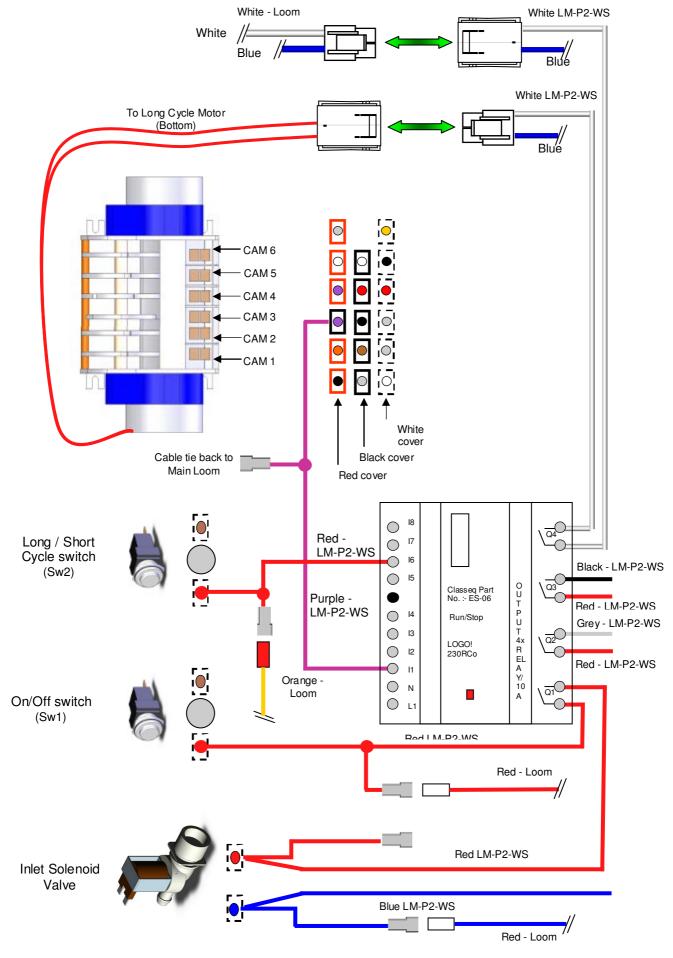
Drawn up: 03/12/2013

Document number: 903.0016











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ClassEq is a trading name of Classic Glass & Dishwashing Systems Ltd.





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Drawn up: 03/12/2013 Document number: 903.0016 Page 47 of 47