

TECHNICAL DATA

SL 225

Dry clothes loading capacity	4 kg
Width	60 cm
Overall depth	55.5 cm
Height	85 cm
Water load with empty drum (normal level)	11 litres
Water load with empty drum (high level)	16 litres
Water pressure (minimum)	5 N/cm <sup>2</sup>
Water pressure (maximum)	80 N/cm <sup>2</sup>
Supply voltage	220-240 V $\pm$ 10%
Spinning speed	520 r.p.m.
Heater Rating.	2700W
Appliance Specification	C04013

TECHNICAL FEATURES

SL 225

Drum motor

Insulation

Class F

Start capacitor

450V - 16 MF

a) 2 Pole Operation (High Speed)

Speed

2900 r.p.m.

Current absorbed

3 A

Run winding resistance at 20°C

9 ohm

Start winding resistance at 20°C

25 ohm

b) 16 Pole Operation (Low Speed)

Speed

330 r.p.m.

Current absorbed

1.4 A

Run winding resistance at 20°C

64 ohm

Drain pump

Maximum head

90 cm

Maximum delivery rate

25 litres/min

Motor power

80 W

Winding resistance at 20°C

14 ohm

Water valve

Maximum delivery rate

11 litres/min

Coil resistance

4000 ohm

Heating element

Power absorbed

2700 W

Resistance at 20°C

21.3 ohm

SL 225

Pressure switches Two level type

Contact Ratings

11 - 12	21 - 22	240v	10A
11 - 13	21 - 23	240v	15A

Timer

Identification mark	C 114/0-A
Contact rating	250V - 5-10-15 A
Inching times	2.5 - 5 min

Door interlock

Door interlock interval	6 sec (Max)
Door release interval	40 sec + 120 sec

Low temperature thermostat

Contact opening temperature	40°C $\pm$ 3° C
Identification colour	orange-orange

High temperature thermostat

Contact opening temperature	90°C $\pm$ 3° C
Identification colour	grey-grey

## HOW THE SL225 WASHING MACHINE WORKS.

### Water Filling

The fill valve is energised through contacts 11 and 12 (empty position). Through cam 3. For high water level filling, the valve is energised through contacts 21 and 22 (high level section) of the pressure switch through cam 9.

### Soap Dispenser

When the valves are energised, the majority of the water flows directly into tub, but a small amount is directed into one of the three compartments of the dispenser by means of a nozzle. The position of the nozzle is determined by a cam located on and driven by the timer shaft.

The dispenser is provided with three compartments: (a) for pre-wash, (b) mainwash, (c) for special additives. The special additives section (c) is provided with a small syphon which operates when the water fills the compartment, in this way the additive is diluted before entering the tub.

### Washing

During the wash the drum revolves with two different tumbling times as follows:-

Energetic	15" clockwise action
	10" pause
	15" anticlockwise action
Delicate	10" clockwise action
	20" pause
	10" anticlockwise action

These times are determined by two fast cams, 11 and 12. When cam 11 is directly energised the drum revolves with energetic action:-

When cam (11) is energised in series with cam (12) the working time is determined by cam (12) whilst the direction of movement is determined by cam (11), giving delicate action.

The intensive wash button, when depressed will override cam 12 and give only energetic wash action. This is designed to give vigorous washing on heavily soiled delicate fabrics.

### Heating

Heating is performed by a 2700w heater in series with a safety thermostat, which will cut out the heater, when a temperature of 90°C is reached. The heating up to 40°C is carried out without tumbling action, as the timer is not energised. The timer is connected in series with a normally open thermostat which closes at 40°C. At this temperature the timer is energised and tumbling takes place. The heating is then controlled by the timer which cuts out the timer when the temperature of the various cycles is reached.

### Draining

The drain pump is energised through cam 8 in series with cam 12. Also cam 10 closes to give a feed to timer and drain pump after the pressure switch has taken the empty position.

## HOW THE SL225 WASHING MACHINE WORKS.

### Spinning

Spinning is performed only when the pressure switch is on "empty" position and cam 3 to the spin position. There is a short spin of 2.5 minutes after the second rinse and a long spin of 5 minutes after last rinse of the energetic cycles.

There are no spinning operations on the delicate cycles.

### No-Drain Feature

This condition exists at the final rinse of delicate cycles where the fabrics are left suspended in water. The machine will not drain until the timer has been advanced manually to the S position.

### Intensive Wash Push Button

When this button is depressed before setting up a gentle wash cycle, a strong action is introduced in place of the delicate one, without altering any other feature of the cycle.

It is advisable not to depress this button when setting up the pure-wool cycle.

### Door - Catch

The door catch is of the voltmetric type which prevents the appliance from operating when the door is open and also delays (2mins maximum) door opening after the mains supply has been disconnected by depressing timer knob. To open the door it is necessary to pull the handle towards centre of door and then outwards.

## HOW THE SL225 WASHING MACHINE WORKS.

### Wash Programmes

#### Cotton-Linen (Energetic Cycles)

No	Programme	Pre-wash	Main-wash	Rinses	Spins
A	Whites-heavy soil-bio	40°C	90°C	5	Yes
B	Whites-heavy soil	40°C	90°C	5	Yes
C	Whites-normal soil	-	90°C	5	Yes
D	Whites	-	90°C	5	Yes
E	Fast Coloureds	-	60°C	5	Yes
F	Non-fast coloureds	-	40°C	5	Yes
G	Rinses	-	-	5	Yes
H	Special treatments	-	-	1	Yes
I	Spin	-	-	-	Yes

#### Synthetics, wool (delicate cycles)

L	White nylon-heavy soil-Bio	40°C	60°C	3	N.D.*
M	White nylon heavy soil	-	60°C	3	N.D.*
N	Delicates	-	40°C	3	N.D.*
P	Woollens (I. W. S.)	-	40°C	3	N.D.*
R	Rinses	-	-	3	N.D.*
S	Drain	-	-	-	-

\* No Drain Feature.

This condition exists at the final rinse of the delicate cycles where the fabrics are left suspended in water.

The machine will not drain until the timer has been advanced manually to the S position. This draining will be followed by a one minute spin.

# TIMER DETAILS

SL 225

CEROW NORTH DATA CENTER - 12/14/2011

Inching Movement (Increment)	Timer Diagram Description	Time Interval	Cycles
1	Water intake normal level + energetic low speed	*5'	A
2	Energetic low speed	2.5'	
3	Water intake normal level + energetic low speed	2.5'	B
4	Heating to 40°C + delicate low speed	*5'	
5	Energetic low speed	5'	
6	Water intake normal level + energetic low speed	*5'	C
7	Water drain + energetic low speed	2.5'	
8	Water intake normal level + energetic low speed	*2.5'	D
9	Heating to 40°C + delicate low speed	*5'	
10	Heating + energetic low speed	5'	
11	Heating + energetic low speed	5'	
12	Heating + delicate low speed	5'	
13	Heating + delicate low speed	5'	
14	Heating + energetic low speed	5'	
15	Heating + energetic low speed	5'	
16	Heating + delicate low speed	5'	
17	Water intake normal level + heating + energetic low speed	*5'	E
18	Heating + energetic low speed	*5'	
19	Heating to 40°C + delicate low speed	*5'	
20	Heating + energetic low speed	5'	
21	Heating + energetic low speed	5'	
22	Water intake normal level + heating + energetic low speed	*5'	F
23	Heating to 40°C + delicate low speed	*5'	
24	Energetic low speed	5'	
25	Cooling + delicate low speed	2.5'	
26	Water drain + energetic low speed	2.5'	
27	Water intake normal level + energetic low speed	5'	
28	Water drain + delicate low speed	2.5'	
29	Water intake high level + energetic low speed	*2.5'	G
30	Water drain + energetic low speed	2.5'	
31	Spinning + water drain	2.5'	
32	Water intake high level + delicate low speed	*2.5'	

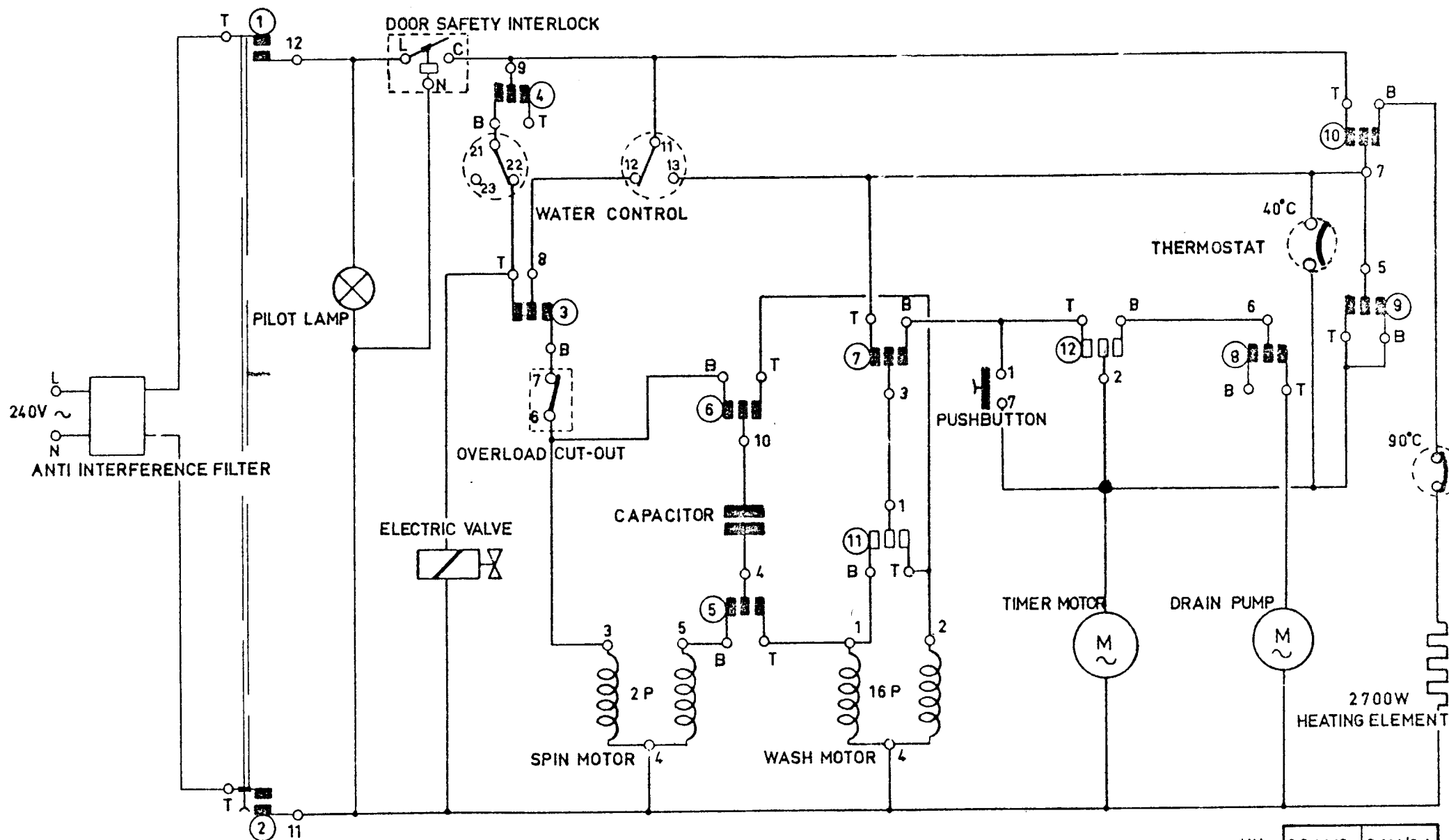
TIMER DETAILSSL 225

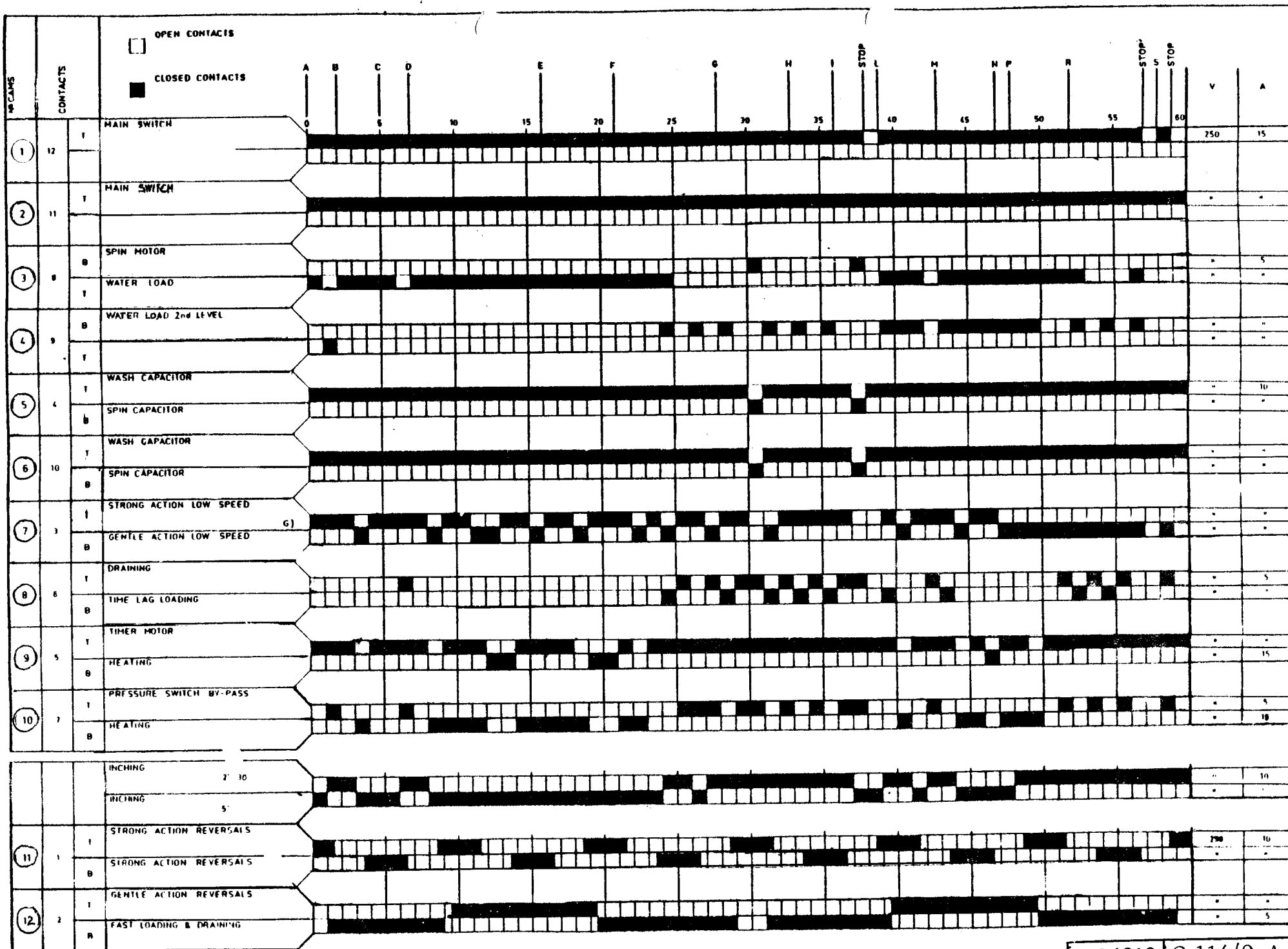
Inching Movement (Increment)	Timer Diagram Description	Time Interval	Cycles
33	Water drain + delicate low speed	2.5'	
34	Water intake high level + energetic low speed	*2.5'	H
35	Water drain + energetic low speed	2.5'	
36	Water intake high level + energetic low speed	*2.5'	
37	Water drain + energetic low speed	2.5'	I
38	Spinning + water drain	5'	
39	STOP	-	
40	Water intake high level + energetic low speed	*2.5'	L
41	Heating to 40°C + delicate low speed	<sup>x</sup> 2.5'	
42	Energetic low speed	5'	
43	Water drain + energetic low speed	2.5'	
44	Water intake high level + energetic low speed	*2.5'	M
45	Heating to 40°C + delicate low speed	<sup>x</sup> 5'	
46	Heating + energetic low speed	5'	
47	Heating + energetic low speed	5'	
48	Water intake high level + heating + delicate low speed	*5'	N
49	Water intake high level + heating + delicate low speed	*2.5'	P
50	Heating to 40°C + delicate low speed	<sup>x</sup> 2.5'	
51	Delicate low speed	2.5'	
52	Water intake & drain + delicate low speed	2.5'	
53	Water intake high level + delicate low speed	*2.5'	R
54	Water drain + delicate low speed	2.5'	
55	Water intake high level + delicate low speed	*2.5'	
56	Water drain + delicate low speed	2.5'	
57	Water intake normal level + delicate low speed	*2.5'	
58	STOP	-	
59	Water drain + delicate low speed	2.5'	S
60	STOP		

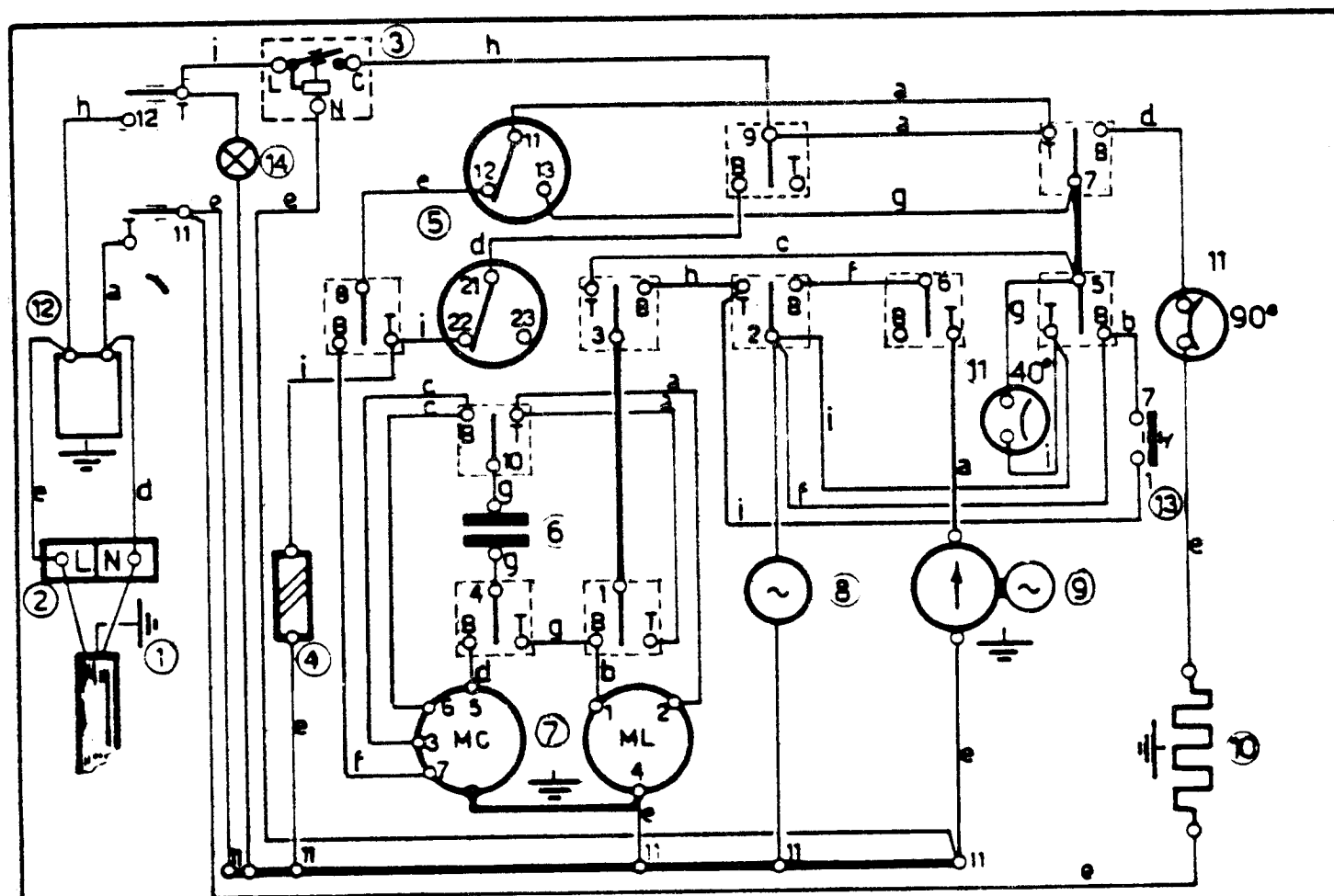
\* = variable time interval depending on the pressure existing in the water supply network

<sup>x</sup> = variable time interval depending on the initial water temperature and the clothes load









- |    |                          |
|----|--------------------------|
| 1  | EARTH                    |
| 2  | JUNCTION BOX             |
| 3  | DOOR SAFETY INTERLOK     |
| 4  | SOLENOID VALVE           |
| 5  | PRESSOSTAT               |
| 6  | CAPACITOR                |
| 7  | MOTOR                    |
| 8  | MOTOR TIMER              |
| 9  | DRAIN PUMP               |
| 10 | HEATING                  |
| 11 | THERMOSTAT               |
| 12 | ANTI-INTERFERENCE FILTER |
| 13 | PUSH BUTTON BOARD        |
| 14 | PILOT LAMP               |

- |   |            |
|---|------------|
| a | PINK       |
| b | BLUE       |
| c | VIOLET     |
| d | LIGHT-BLUE |
| e | BROWN      |
| f | GREY       |
| g | WHITE      |
| h | BLACK      |
| i | ORANGE     |

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