

TECHNICAL DATA

	<u>SL24</u>	<u>SL26T</u>
Width	23.6"	23.6"
Overall Depth(Excluding Hoses)	22.0"	22.0"
Height (with feet)	33.5"	33.5"
Weight	178.5lbs	178.5lbs
Water Fill	Cold	Hot and Cold
Spinning Speed	520.RPM	520.RPM
Heater Rating	2700W	2700W
Motor Rating during washing	0.07HP	0.07HP
Motor Rating during spinning	0.16HP	0.16HP
Water Load -Normal Level	3.3 gals	3.3 gals
Water Load -High Level	-	4.4 gals
Minimum Cold Water Pressure	7 p.s.i	7 p.s.i.
Maximum Cold Water Pressure	110 p.s.i	110 p.s.i
Minimum Hot Water Pressure	-	4 p.s.i
Maximum Hot Water Pressure	-	10 p.s.i *
Supply Voltage	220-240V	220-240V
Appliance Specification	C0466	C0486

* See Instruction Booklet.

TECHNICAL FEATURES

Drum Motor

Two Speed, Single Phase Induction

Motor with permanently inserted Capacitor

	<u>SL24</u>	<u>SL26T</u>
Duty	Continuous	Continuous
Insulation Class	F	F
Capacitor	(VL500)16MF	(VL500)16MF

(a) 2 Pole Operation(High Speed)

Power	0.16HP	0.16HP
R. P. M	2900	2900
Full Load Current	2.8 Amps	2.8 Amps
Run winding Resistance	9-10 Ohms	9-10 Ohms
Start Winding Resistance	25-28 Ohms	25-28 Ohms

(b) (16 Pole Operation)

slow-speed

Power	0.07 HP	0.07HP
R. P. M	330	330
Full Load Current	1.5 Amps	1.5 Amps
Clockwise/ Anticlockwise Run		
Winding resistance	50-65 Ohms	50-65 Ohms

Drain Pump

Maximum Head	1m	1m
Maximum Flow	5.5 gals.p.min	5.5.gals.p.min
Motor Power	80W	80W
Winding Resistance	20 Ohms	20 Ohms

Door Switch

Switch Contact	240V15A	240V.15A
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Electric Valves

(a) Cold Fill Valve with Flow Regulator

Maximum Water Pressure	110 p.s.i	110 p.s.i
Minimum Water Pressure	7 p.s.i	7 p.s.i
Maximum Water Flow	2.4.gals.p.min	2.4.gals.p.min
Entry Thread	$\frac{1}{2}$ " gas	$\frac{1}{2}$ " gas
Electric Resistance	4000 Ohms	4000 Ohms

(b) Hot Fill Valves without Flow Regulator

Maximum Water Pressure	-	10 p.s.i
Minimum Water Pressure	-	4 p.s.i
Maximum Water Flow	-	1.2 gals.p.min
Entry Thread	-	$\frac{1}{2}$ " gas
Electric Resistance	-	4000 Ohms

TECHNICAL FEATURES

	<u>SL24</u>	<u>SL26T</u>
<u>Heater</u>		
One Element Type		
Power (at 240V)	2700W	2700W
Resistance	180 Ohms	180 Ohms
<u>Pressure Switch</u>		
<u>(a) Single Level type</u>		
Contact Ratings	11 - 12	-
	11 - 13	-
<u>(b) Two Level Type</u>		
Contact Ratings	11 - 12	240V.10A
	11 - 13	240V.15A
<u>Timer - SL24</u>		
60 position cam timer driven by a synchronous electric motor		
Motor Power	.....	3W
Maximum switching capacity	.....	240V.15A
Stepping times	.....	2 - 30", 5'
Identification mark	.....	C114/0
Drum Inversion times, Energetic	.....	15"/10"
Delicate	.....	8"/20"
<u>Timer - SL26T</u>		
Maximum switching capacity	.....	240V.15A
Stepping times	.....	1' - 2'
Cams interlocking relay	.....	6800 Ohms
Identification mark	.....	C127/0
Drum Inversion times, Energetic	.....	16"/14"
Delicate	.....	8"/22"
<u>Thermostat - SL24</u>		
<u>Starting thermostat</u>		
Contact Rating	.....	240V.15A
Contact closing temperature	.....	40°C ± 3°C
Identification colour	.....	Orange-Orange
<u>Security Thermostat</u>		
Contact Rating	.....	240V.15A
Contact opening temperature	.....	90°C ± 3°C
Identification Colour	.....	Grey-Grey
<u>Thermostats - SL26T</u>		
<u>(a) 1 Step Thermostat</u>		
Contact Rating	.....	240V.15A
Contact Opening temperature	.....	38°C ± 3°C
Identification Colour	.....	Orange-Light Blue
<u>(b) 2 Step Thermostat</u>		
Contact Ratings	.....	240V.15A
Contact Opening temperature (1st step)	.....	60°C ± 3°C
Identification Colour	.....	Pink
Contact Opening temperature (2nd step)	.....	88°C ± 3°C
Identification Colour	.....	Blue

HOW THE SL24 WASHING MACHINE WORKS

Water Filling

The fill valve is energised through contacts 11 - 12 (empty position) of the pressure switch and through cam 3 (filling for prewash and mainwash) or cam 4 (filling for rinses). When the correct level is reached the pressure takes the "full" position, (contacts 11 - 13) and the filling stops.

When the water valve is energised, the majority of the water flows directly into the 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 the prewash, (b) for the main wash, (c) for the special additives.

The special additive section (c) is provided with a small syphon which operates when the water fills the compartment. In this way 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

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

The intensive wash push-button, which when pressed 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 the tumbling action takes place.

The timer will cut-out the heater when the temperature of the various cycles are reached.

Cooling and Extra Filling

At the end of the mainwash of the energetic cycles a gradual cooling is carried out by loading more water into the tub. This is carried out by energising the fill valve through cam (8) in series with the fast cam (12). This arrangement is also used to give high water levels on the main wash of the delicate cycles and on both prewashes and all rinsing cycles.

Draining


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

Spinning

The spinning is performed only when the pressure switch is on the "empty" position and when cam (3) is closed to the spin position. There is a short spin of 2'M-30 sec after the second rinse and a long spin of 5 min after the 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 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  position.

(1) SL24 - Washing Cycles (Cotton and Linen)

Whites heavy soil - Bio Prewash

Long Prewash at high water level and heat to approximately 50°C
Mainwash - Fills to normal water level and heat to approximately 90°C with vigorous tumbling, with cooling at end of mainwash 5 rinses in cold water at high water levels followed by a 5 minute spin after the final rinse.

(2) Whites Heavy Soil

Short Prewash at high water level, and heat to approximately 50°C
Mainwash - Fills to normal water level and heat to approximately 90°C with vigorous tumbling, with cooling at end of mainwash 5 rinses in cold water at high water level followed by a 5 minute spin after final rinse.

(3) Whites

Mainwash - Fills to normal water level and heat to approximately 90°C with vigorous tumbling with cooling at the end of the mainwash. 5 rinses in cold water at high water levels followed by a 5 minute spin after the final rinse.

(4) Fast Coloureds

Mainwash - Fills to normal water level and heat to approximately 60°C with vigorous tumbling with cooling at the end of the mainwash. 5 rinses in cold water at high water level followed by a 5 minute spin after the final rinse.

(5) Non-Fast Coloureds

Mainwash - Fills to normal water level and heat to approximately 40°C with vigorous tumbling with cooling at the end of the mainwash. 5 rinses in cold water at high level followed by a 5 minute spin after the final rinse.

(6) Rinses

5 rinses in cold water at high water level followed by a 5 minute spin after the final rinse.

Special Treatments

- (7) 2 rinses in cold water at high water level followed by a 5 minute spin after the final rinse.

(8) Spinning

Spinning for 5 minutes with water draining.

It is important to place timer index line exactly on No.8. position

(9) Delicate Cycles

White Nylon - Heavy Soil

Prewash - Fills to high water level and heat to approximately 40°C

Mainwash - Fills to high water level and heat to approximately 60°C with gentle tumbling. 3 rinses in cold water followed by no draining on the third rinse.

(10) Delicates

Mainwash - Fills to high water level and heat to approximately 40°C with gentle tumbling. 3 rinses in cold water followed by no draining on the third rinse.


(11) Woollens

Very short wash at high water level and heat to approximately 40°C with gentle tumbling. 3 rinses in cold water followed by no draining on the third rinse.

(12) Rinses

3 rinses in cold water followed by no draining on the third rinse.

No Draining

To empty the machine in the no-drain position, the timer must be advanced manually to the  position.

HOW THE SL26T WASHING MACHINE WORKS

Water Filling

The fill valve are energised through contacts 11-12(empty position) of the pressure switch and through cam (3) -(hot fill) and through contacts 55-57 -(Timer) -(cold fill).

For high water level filling the valves are energised through contacts 21-22(high level section) of the pressure switch and through contacts 51-55 of the timer.

When the valves are energised, the majority of the water flows directly into the 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 the prewash, (b) for the mainwash, (c) for the special additives.

The special additive 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 washing the drum revolves with two different tumbling times.

Energetic:	-	16" clockwise action
	-	14" pause
	-	16" anticlockwise action
Delicate	-	8" clockwise action
	-	22" pause
	-	8" anticlockwise action

The times are determined by three fast cams (17, 18 & 20). When cams (17 & 18) are directly energised by cam (2) the drum revolves with energetic action. When cam (6) and fast cam (20) are in series with the fast cam (17 & 18), the working time is determined by cam (20) whilst the direction of the movement is determined by cams (17 & 18), giving delicate action.

The intensive wash push-button when depressed will override cam (20) and give only energetic washing.

This is designed to give a vigorous washing on heavily soiled delicate fabrics.

Heating

The washing machine is controlled by the cams interlocking relay during this period. This allows a continuous washing action throughout the heating time.

The relay is fitted on the timer in such a way that when it is energised the impulse cams are locked, whilst the fast cams continue to feed the drum motor.

The relay is connected in parallel to the heater (2700W) and in series with normally closed thermostats.

The temperatures are controlled by means of three thermostats with normally closed contacts. These are selected by the timer and switched in series with the heater and the relay.

The Calibration temperatures are 38°C, 60°C and 88°C

On cycle No.11, in which a temperature of 48°C is required, the heating up to 40°C is thermostatically controlled, whilst the heating from 40°C to 48°C is controlled by the timer.

Cooling

At the end of the main wash of the energetic cycles a gradual cooling is carried out by loading more water into the tub. This is carried out by energising the cold fill valve through the fast cam (19) and in series with contacts (55-56) of the timer.

Draining


The drain pump is energised through cam (7) or cam (11). Also cam (1) closes to maintain a feed to the timer and drain pump after the pressure switch has taken the "empty" position.

Spinning

The spinning is performed only when the 1st level pressure switch is in the "empty" position and when cam (8) is closed to the spin position.

On the energetic cycles there are short spins of - 1 min following the second and fourth rinses, and following the final rinse there is spinning for 5 minutes.

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 () position. This draining will be followed by a one minute spin.

(1) SL26T - Washing Cycles(Cotton and Linen)

Whites Heavy Soil -Bio Prewash

Prewash - Fills to high water level and heat to 60° centigrade

Mainwash - Fills to normal water level and heat to 90°C with vigorous tumbling followed by cooling and 5 rinses in cold water at high water level, with a 5 minute spin after the final rinse.

(2) Whites

Prewash - Fills to high water level and heat to 40° centigrade

Mainwash - Fills to normal water level and heat to 90°C, with vigorous tumbling followed by cooling and 5 rinses in cold water at high water level, with a 5 minute spin after the final rinse.

(3) Whites - Special

Mainwash - Fills to normal water level and heat to 90°C, with vigorous tumbling followed by cooling and 5 rinses in cold water at high water level, with a 5 minute spin after the final rinse.

(4) Fast Coloureds

Mainwash - Fills to normal water level and heat to 60° centigrade with vigorous tumbling, followed by cooling and 5 rinses in cold water at high water level with a 5 minute spin after the final rinse.

(5) Non-Fast Coloureds

Mainwash - Fills to normal water level and heat to 40° centigrade with vigorous tumbling, followed by cooling and 5 rinses in cold water at high water level with a 5 minute spin after the final rinse.

(6) Rinses

5 rinses in cold water at high water level with a 5 minute spin after the final rinse.

(7) Special Treatments

2 rinses in cold water at high water level with a 5 minute spin after the final rinse.

(8) Spinning

Spinning for 5 minutes with water draining.

(9) Delicate Cycles.

White Nylon - heavy soil

Prewash - Fills to high water level and heat to 40°centigrade
Mainwash - Fills to high water level and heats to 60°centigrade with gentle tumbling action followed by 4 rinses and no draining at the final rinse.

(10) White Nylon

Mainwash - Fills to high water level and heats to 60°centigrade with gentle tumbling followed by 4 rinses and no draining at the final rinse.

(11) Minimum Iron

Mainwash - Fills to high water level and heats to approximately 48°Centigrade with gentle tumbling action followed by 4 rinses and no draining at the final rinse.


(12) Delicates

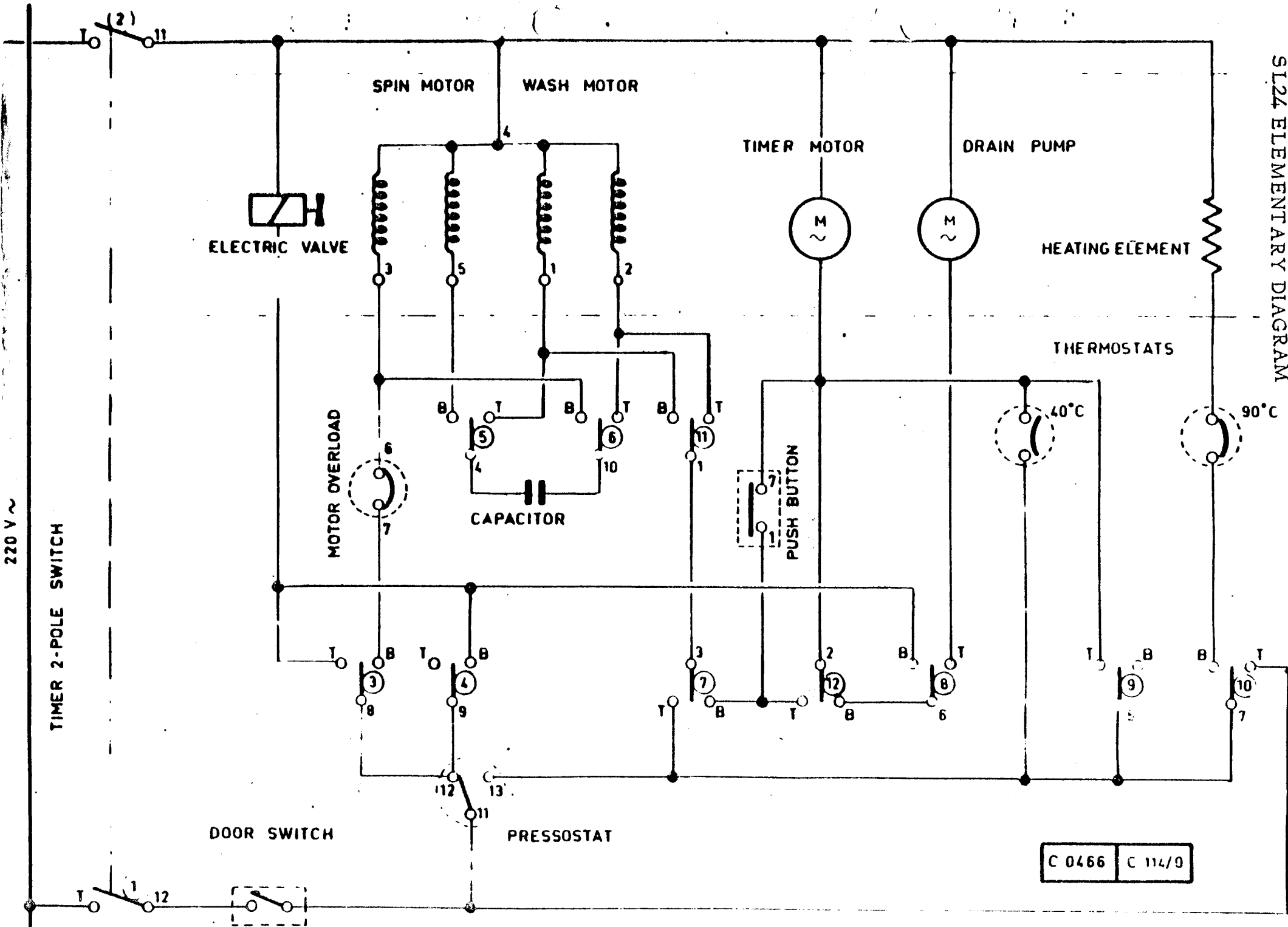
Mainwash - Fills to high water level and heat to 40°centigrade with gentle tumbling by 4 rinses and no draining at the final rinse.

(13) Woollens

Very short mainwash at high water level and heat to 40°centigrade with gentle tumbling followed by 4 rinses and no draining at the final rinse.

No Draining

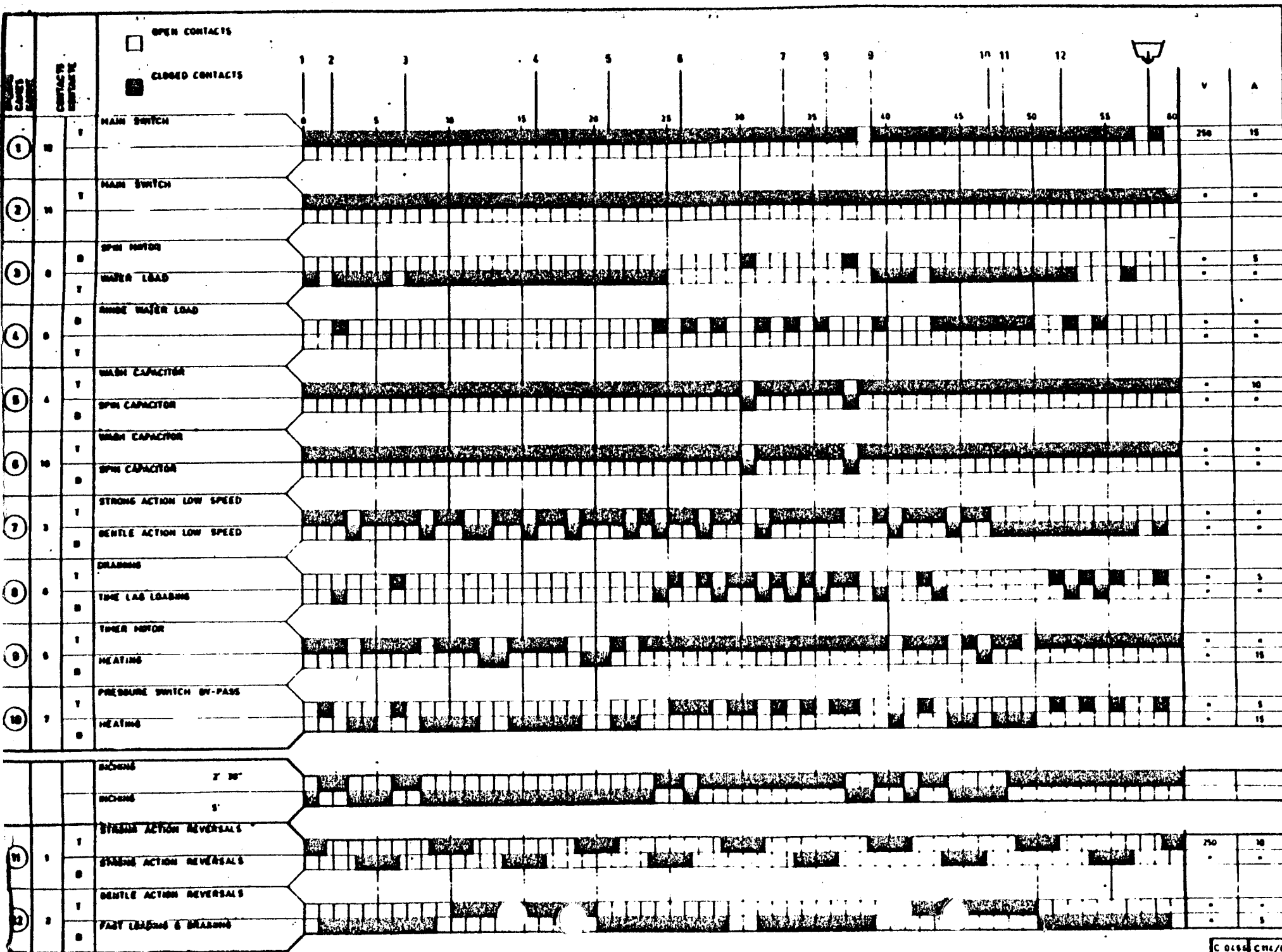
To empty the machine in the no-drain position, the timer must be advanced manually to the  position, the draining will be followed by a 1 minute spin.

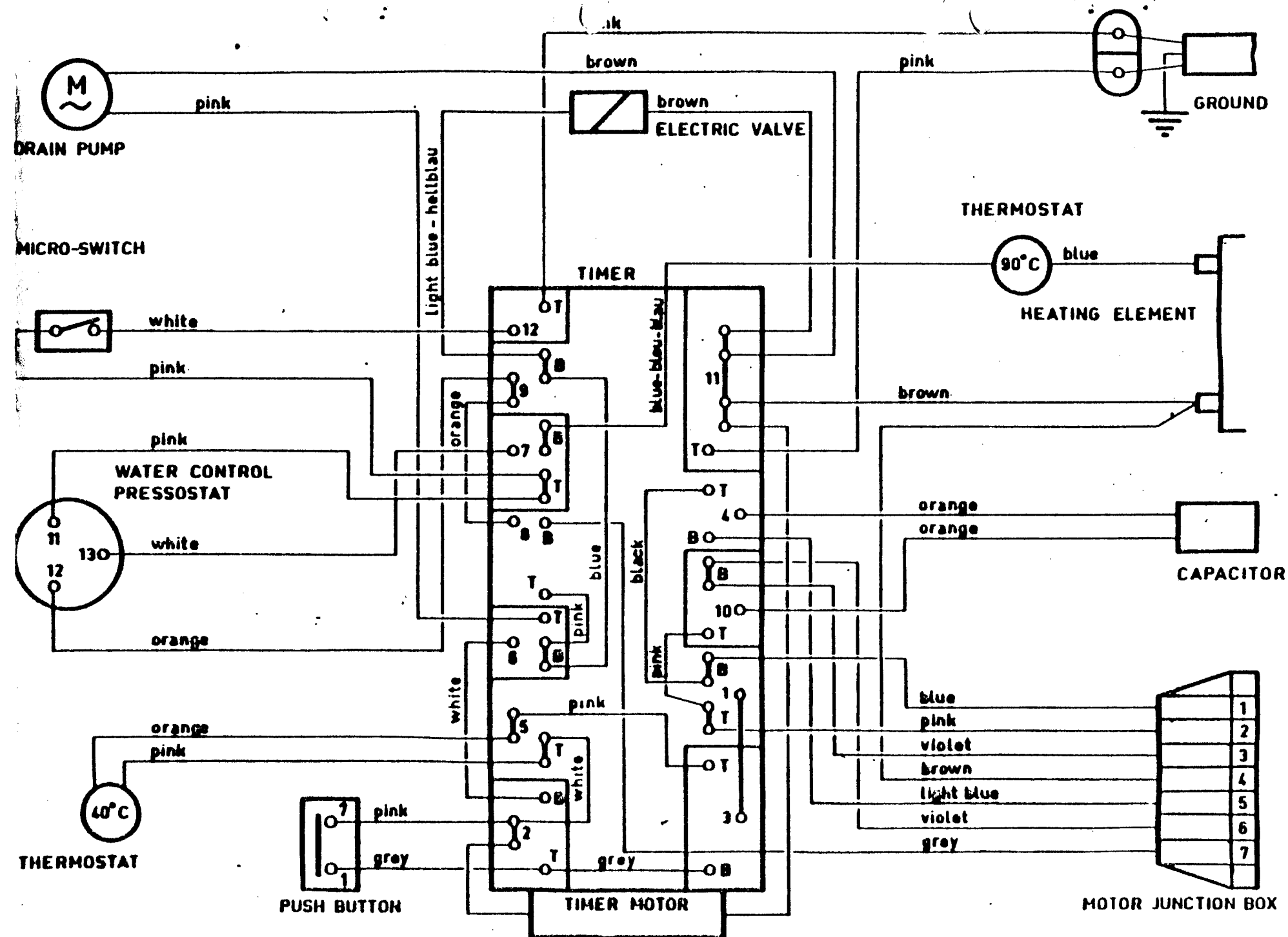


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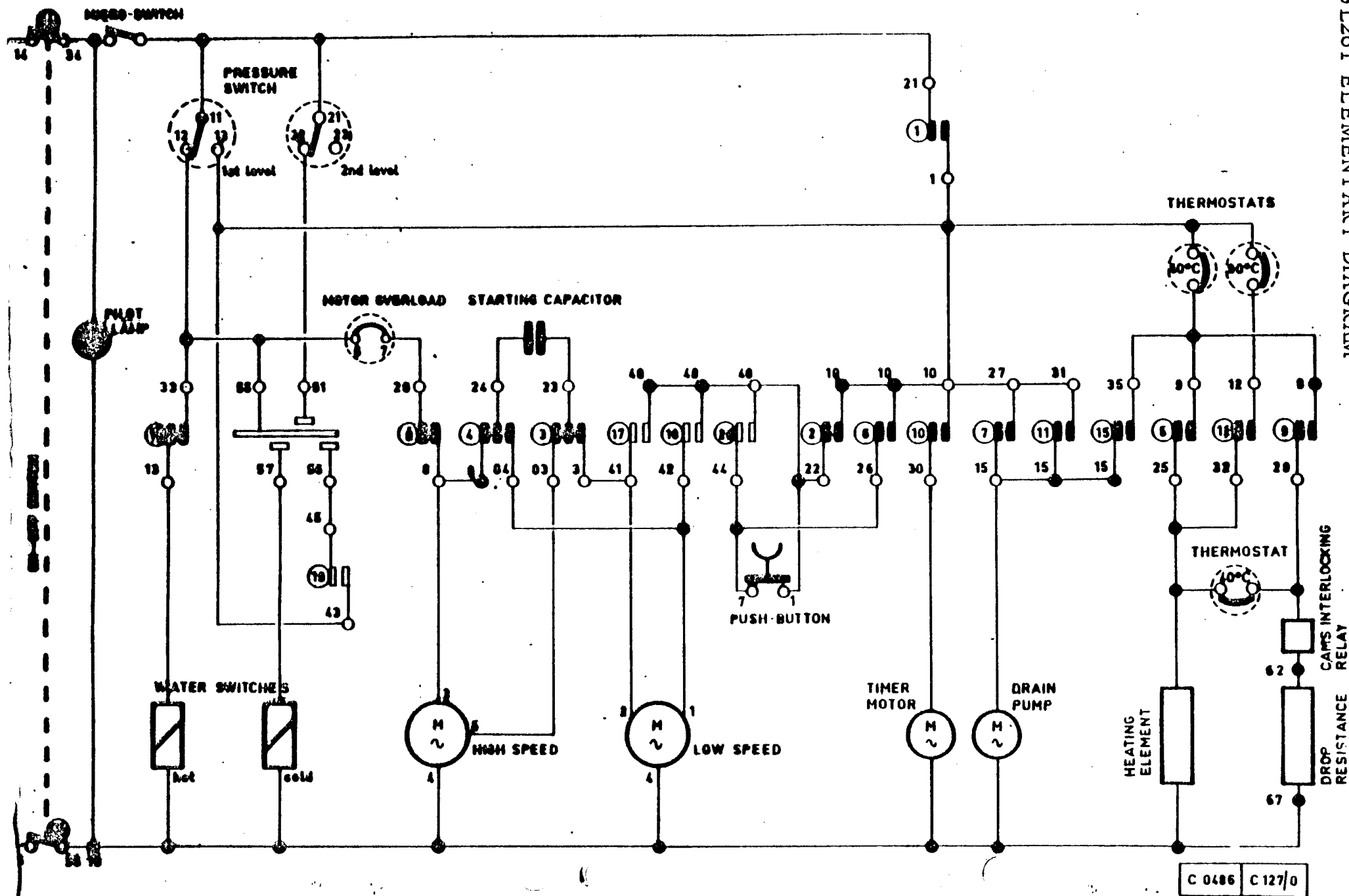
SL24 SEQUENCE CHART

-11-

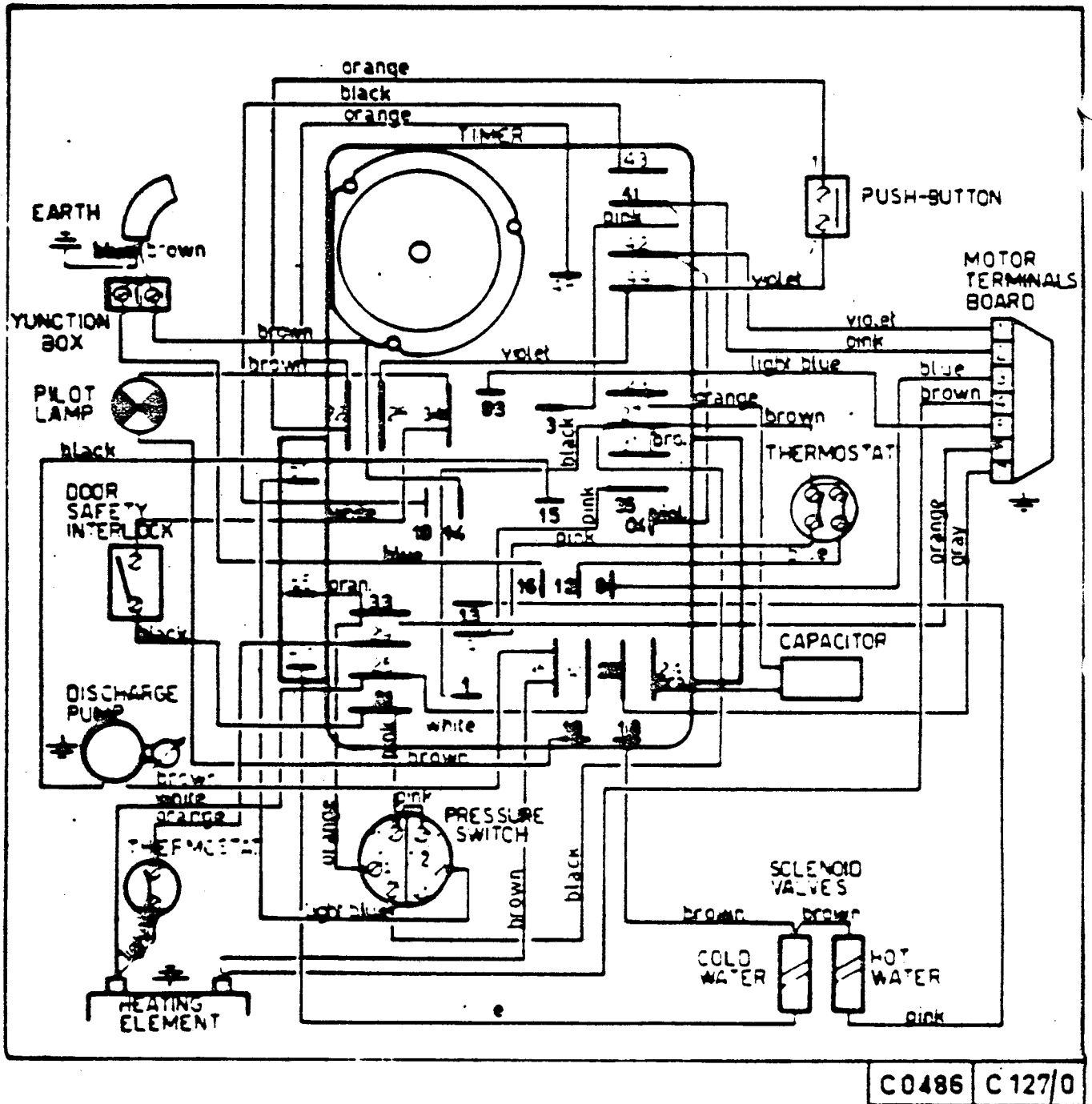




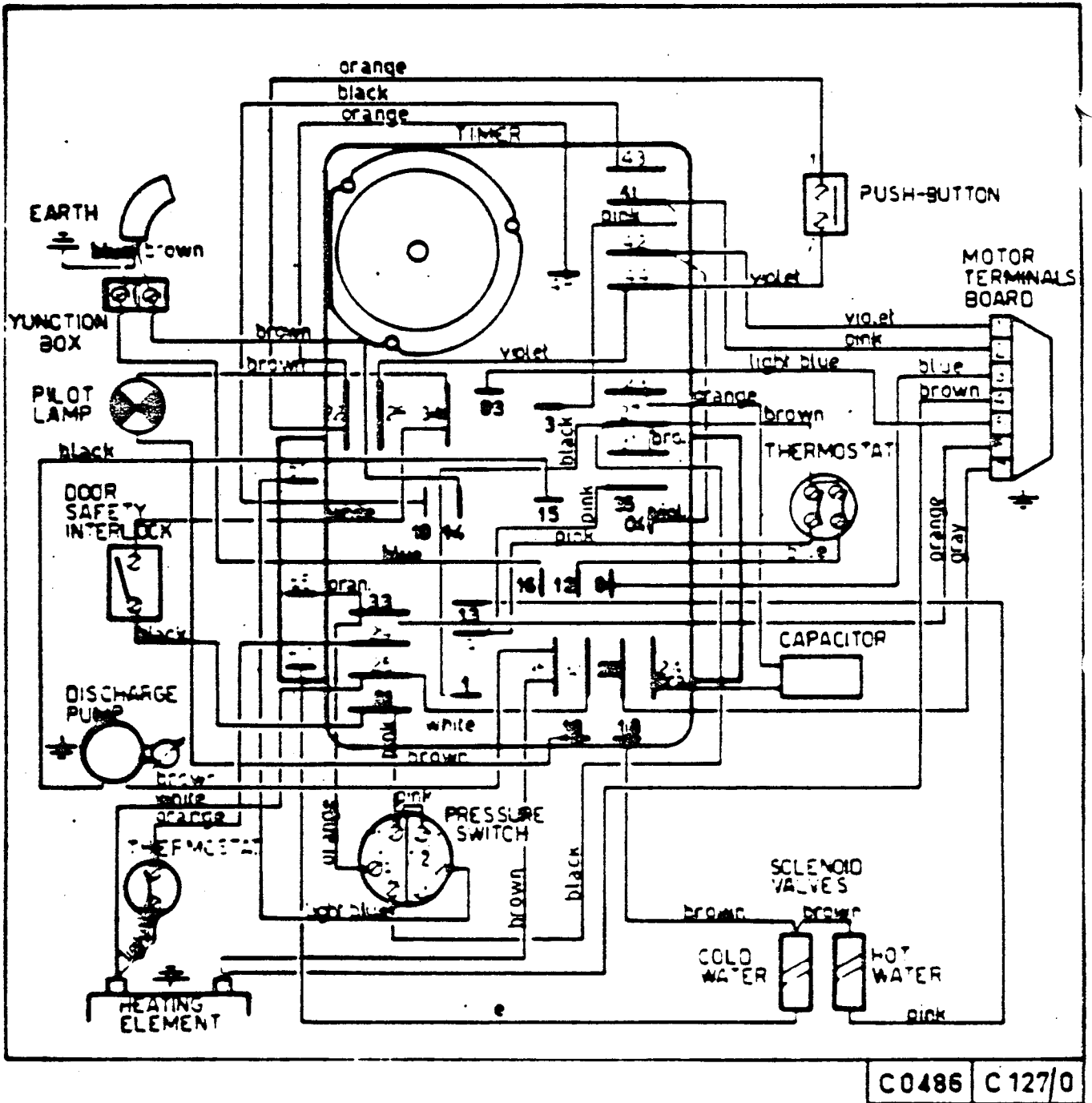
SL26T ELEMENTARY DIAGRAM



SL26T WIRING DIAGRAM



SL26T WIRING DIAGRAM



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APPLIANCE HANDLING AND TRANSIT

BARS

The washing machine has a transit bracket screwed into the top of the side panels and bolted to the counterweight to secure the tub; it also has another bracket fastening the motor to the back of the machine.

- It is absolutely necessary to remove these parts before putting the machine into operation.

To remove proceed as follows: Release 6 retaining screws on top panel and remove, release the top transit bracket by removing the necessary screws and nuts.

Release fixing screws securing back panel and remove. Release the lower fixing bracket by removing the necessary screws and nut. Replace top and back panels.

It is advisable to replace the transit bars should it be necessary to move the appliance from one premises to another.

When carrying out repairs that require the machine to be tilted or laid down, it is recommended to tilt or lay the machine on its back, never to the side positions.

Component Removal

Timer

Remove top panel: Remove plate on timer knob, release nut securing timer knob and remove same. Release screws securing cycle indicator and remove. Pull out locating cam. Turn the soap dispenser following cam to bring the openings in line with the timer fixing screws. Release screws and remove timer.

It is advisable when removing timer to release the pressure switch mounting bracket in order that clearance is given for taking the timer out of its locating position.

N.B.

After the timer has been replaced the cycle indicator must be checked to ensure it corresponds with the index line.

To check, select the timer to one of the stop positions and ensure the 'O' is central to the index line.

Pressure Switch

Remove top panel: Release retaining clip, remove electrical connections and pressure hose, and remove pressure switch.

Intensive Wash Button

Remove top panel, remove electrical connections and release 2 screws securing push-button.

Inlet Valves

Remove top panel: Release hoses and electrical connections and release 2 screws securing valves to cabinet.

Heater

Remove back panel: Remove electrical connections and release centre securing nut. Remove clamping plate. Gently tap centre spindle of heater to release from gasket, proceed then to remove heater and gasket together.

When renewing heater it is advisable to use soap on the gasket to ease replacement.

Thermostat

Remove back panel: Remove electrical connections and pull thermostat out of gasket.

Door Switch

Remove front part of door gasket, release 2 securing screws and remove door switch.

Drain Pump and Filter Body

Lay appliance on back: Release sump hose and drain hose connections. Release screws fixing filter and pump to cabinet, release remaining water and electrical connections, remove unit.

Main Motor

Lay appliance on back: Remove electrical connecting plug, release securing bolts and remove motor.

Capacitor

Lay appliance on back: Release securing nut and remove electrical connections.

TECHNICAL DATA

	<u>SL27T</u>	<u>SL128T</u>
Width	23.6"	23.6"
Overall Depth (excluding hoses)	22.0"	22.0"
Height (with feet)	33.5"	33.5"
Weight	178.5 lbs	200.65 lbs.
Water fill	Hot & Cold	Hot & Cold
Spinning speed	520 r.p.m.	400 & 800 rp.m.
Heater rating	2500 W.	2500W.
Motor rating during washing	300 W	430W
Motor rating during spinning	600 W	450W / 650W
Water load - normal level	3.1 galls	3.1 galls
Water load* - high level	4.4 galls	4.4 galls
Minimum cold water pressure	7 p.s.i.	7 p.s.i.
Maximum cold water pressure	110 p.s.i.	110 p.s.i.
Minimum hot water pressure	4 p.s.i.	4 p.s.i.
Maximum hot water pressure	7 p.s.i.	10 p.s.i. *
Supply voltage	220 - 240 V	220 - 240 V
Appliance Specification	CO 456	CO 498

* = See Instruction Booklet

TECHNICAL FEATURES

Drum Motor

	<u>SL27T</u>	<u>SL128T</u>
Type	20570.79	20570.48
Duty	Continuous	Temporary
Insulation Class	F	H
Capacitor	(VL500)16MF	(VL500)14MF(500v)

(a) 2 Pole Operation (High Speed)

Power	600 w	650w
R.P.M.	2900	2890
Full Load Current	2.8 Amps	3.8 Amps
Run Winding Resistance	9 - 10 ohms	11.0 ohms
Start Winding Resistance	25 - 28 ohms	-

(b) 16 - pole (SL27T) and 24 pole (SL128T)

Slow Speed

Power	300w	430w
R.P.M.	330	225
Full Load Current	1.5 Amps	1.9 Amps
Clockwise/Anticlockwise Run Winding Resistance	64 ohms	49 ohms

(c) 4 pole operation (Medium Speed)

SL128T only

Power	-	450w
R.P.M.	-	1480
Full Load Current	-	2.3 Amps
Run Winding Resistance	-	9 ohms
Start Winding Resistance	-	29 ohms

Drain Pump

Maximum Head	35ins	35ins
Maximum Flow	5.5 gals p.min	5.5 gals p.min
Motor Power	80w	80w
Winding Resistance	14 ohms	14 ohms

<u>Door Switch</u>	<u>SL27T</u>	<u>SL128T</u>
Switch Contact	240V. 15A	240V. 15A
Door lock interval	6" (Max)	6" (Max)
Door release interval	40" 120"	40" 120"

Electric Valves

(a) Cold Fill Valve with Flow Regulator

Maximum Water Pressure	110 p.s.i.	110 p.s.i.
Minimum Water Pressure	7 p.s.i.	7 p.s.i.
Entry Thread	$\frac{1}{2}$ " gas	$\frac{3}{4}$ " gas
Electric Resistance	3800 Ohms	3800 Ohms

(b) Hot Fill Valve without Flow Regulator

Maximum Water Pressure	10 p.s.i.	10 p.s.i.
Minimum Water Pressure	4 p.s.i.	4 p.s.i.
Entry Thread	$\frac{1}{2}$ " gas	$\frac{3}{4}$ " gas
Electric Resistance	3800 Ohms	3800 Ohms

Heater

One Element Type	2500W	2500W
Power (at 240V)		
Resistance	21 Ohms	21 Ohms

Pressure Switch

Two Level Type

Contact Ratings	11 - 12 21 - 22	240V 10A	240V 10A
	11 - 13 21 - 23	240V 15A	240V 15A

Timer - SL27T and SL128T

60 position electro-mechanical timer

Maximum switching capacity	240V 16A
Stepping times	1' - 2'
Identification mark	C141/0
Drum Inversion times, Energetic	12"/3"
Delicate	5"/11"/3"/11"

Thermostats - (SL27T and SL128T)

(a) 1 step thermostat

Contact rating	240V 15A
Contact opening temperature	38°C \pm 3°C
Identification Colour	Orange-light blue

(b) 2 step thermostat

Contact ratings	240V 15A
Contact opening temperature (1st step)	60°C \pm 3°C
Identification colour	Pink
Contact opening temperature (2nd step)	88°C \pm 3°C
Identification colour	Blue

HOW THE SL27T WASHING MACHINE WORKS

WATER FILLING

Fill Valves

The fill valves are energised through contacts 11 - 12 (empty position) of the pressure switch and through contacts 57 - 52 (hot fill) and through contacts 57 - 58 - (Timer) - (cold fill). For high water level filling, the valves are energised through contacts 21 - 22 (high level section) of the pressure switch and through contacts 51 - 57 of the timer.

Economy Push-button

Connected between the 2nd level pressure switch and contact 51 of the timer is a push-button. If this push button is depressed all washing will be carried out at 1st water level.

Soap Dispenser

When the valves are energised, the majority of the water flows directly into the 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 the pre-wash, (b) for the mainwash and (c) for the special additives. The special additive 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 washing the drum revolves with two different tumbling times.

<u>Energetic</u>	-	12" clockwise action
	-	3" pause
	-	12" anticlockwise action
<u>Delicate</u>	-	5" clockwise action
	-	11" pause
	-	3" anticlockwise action

The times are determined by three fast cams (16, 17 & 18). When cams (16 & 17) are directly energised by cam (6) the drum revolves with energetic action. When cam (12) and fast cam (18) are in series with the fast cam (17 & 18), the working time is determined by cam (18) whilst the direction of the movement is determined by cams (17 & 16), giving delicate action.

HEATING

The washing machine is controlled by the cams interlocking relay during this period. This allows a continuous washing action throughout the heating time. The relay is fitted on the timer in such a way that when it is energised, the impulse cams are locked, whilst the fast cams continue to feed the drum motor.

HOW THE SL27T WASHING MACHINE WORKS

Cont'd..

Heating (Cont'd.)

The relay is connected in parallel to the heater (2500 W) and in series with normally closed thermostats. The temperatures are controlled by means of three thermostats with normally closed contacts. These are selected by the timer and switched in series with the heater and the relay.

The Calibration temperatures are 38°C, 60°C and 88°C. On cycle No. 11, in which a temperature of 48°C is required, the heating up to 40°C is thermostatically controlled, whilst the heating from 40°C to 48°C is controlled by the timer.

Cooling


At the end of the main washes a gradual cooling is carried out by loading more water into the tub. This is carried out by energising the cold-fill valve through the fast cam (19) and in series with contact s (53 - 57/57 -58) of the timer.

Draining


The drain pump is energised through cam 14. Also cam (5) closes to maintain a feed to the timer and drain pump after the pressure switch has taken the "empty" position.

Spinning

The spinning is performed only when the 1st level pressure switch is on the "empty" position and when cams(10 or 11) are closed to the spin position.

On the Energetic cycles there are short spin cycles after the first three rinses. After the final rinse, the spin cycle is for a duration of 5 minutes. On the Delicate cycle there is a short spin of 1 minute after the water has been drained when the  cycle has been selected.

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  position. This draining will be followed by a one-minute spin.

Anti-Crease Pushbutton

This push-button, when selected, will introduce tumbling at the cooling phases of the delicate cycles, therefore eliminating the risk of creasing.

HOW THE SL27T WASHING MACHINE WORKS

Cont'd..

SL27T WASH PROGRAMMES


Cotton - Linen (Energetic cycles)

<u>No</u>	<u>Programme</u>	<u>Pre-wash</u>	<u>Main-wash</u>	<u>Rinses</u>	<u>Spin</u>
1	Whites - heavy soil	40°C	90°C	4	Yes
2	Whites	-	90°C	4	Yes
3	Fast coloureds - heavy soil	40°C	60°C	4	Yes
4	Fast coloureds	-	60°C	4	Yes
5	Non-fast coloureds	-	40°C	4	Yes
6	Rinses	-	-	4	Yes
7	Special Treatments	-	-	1	Yes
8	Spin	-	-	-	Yes

Synthetic, wool (Delicate cycles)

9	White Nylon - heavy soil	40°C	60°C	3	N.D.*
10	White Nylon	-	60°C	3	N.D.*
11	Minimum Iron	-	48°C	3	N.D.*
12	Delicates	-	40°C	3	N.D.*
13	Woollens (I.W.S.)	-	40°C	3	N.D.*

* 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  position. This draining will be followed by a one-minute spin.

* Anti-Crease Pushbutton

This push-button, when selected, will introduce tumbling at the cooling phases of the delicate cycles, therefore eliminating the risk of creasing.

HOW THE SL128T WASHING MACHINE WORKS

WATER FILLING

Fill Valves

The fill valves are energised through contacts 11 - 12 (empty position) of the pressure switch and through contacts 57 - 52 (hot fill) and through contacts 57 - 58 - (Timer) - (cold fill). For high water level filling, the valves are energised through contacts 21 - 22 (high level section) of the pressure switch and through contacts 51 - 57 of the timer.

Economy Push-button

Connected between the 2nd level pressure switch and contact 51 of the timer is a push button. If this push button is depressed all washing will be carried out at 1st water level.

Soap Dispenser

When the valves are energised, the majority of the water flows directly into the 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 the pre-wash, (b) for the mainwash and (c) for the special additives. The special additive 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 washing, the drum revolves with two different tumbling times.

<u>Energetic</u>	-	12" clockwise action
	-	3" pause
	-	12" anticlockwise action
<u>Delicate</u>	-	5" clockwise action
	-	11" pause
	-	3" anticlockwise action.

The times are determined by three fast cams (16, 17 and 18). When cams (16 & 17) are directly energised by cam (6), the drum revolves with energetic action. When cam (12) and fast cam (18) are in series with the fast cam (17 & 18), the working time is determined by cam (18) whilst the direction of the movement is determined by cams (16 & 17), giving delicate action.

HOW THE SL128T WASHING MACHINE WORKS

HEATING

The washing machine is controlled by the cams interlocking relay during this period. This allows a continuous washing action throughout the heating time. The relay is fitted on the timer in such a way that when it is energised the impulse cams are locked, whilst the fast cams continue to feed the drum motor. The relay is connected in parallel to the heater (2500W) and in series with normally closed thermostats.

The temperatures are controlled by means of three thermostats with normally closed contacts. These are selected by the timer and switched in series with the heater and the relay.

The Calibration temperatures are 38°C, 60°C and 88°C. On cycle No 12 in which a temperature of 48°C is required, the heating up to 40°C is thermostatically controlled, whilst the heating from 40°C to 48°C is controlled by the timer.

COOLING

At the end of the main washes a gradual cooling is carried out by loading more water into the tub. This is carried out by energising the cold fill valve through the fast cam (19) and in series with contacts (53 - 57/57 - 58) of the timer.

DRAINING

The drain pump is energised through cam 14. Also cam (5) closes to maintain a feed to the timer and drain pump after the pressure switch has taken the "empty" position.

SPINNING

Spin Selector Push-button

Spinning is performed only when the 1st level pressure switch is in the "empty" position. The spin section of the wash motor is divided into two sections, (a) 4 pole for spinning at 400 r.p.m., and (b) 2 pole for spinning at 800 r.p.m.

With the push button selected to the "400" position, all spinning will be carried out at 400 r.p.m. by cam nos 1 & 11, or 10. When the push button is selected to the "800" position, for the final spin cycle of the Energetic cycles, spinning will be performed for the first three minutes at 400 r.p.m. (cam no. 1 & 11) increasing for the last two minutes to 800 r.p.m. (cam nos 1 & 10).

HOW THE SL128T WASHING MACHINE WORKS

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 programme No. 17 or 18.

SL128T WASH PROGRAMMES

Cotton - Linen (Energetic Cycles)

<u>No</u>	<u>Programme</u>	<u>Pre-Wash</u>	<u>Main Wash</u>	<u>Rinses</u>	<u>Spin</u>
1	Extra Pre-wash	40°C	-	-	-
2	Whites - heavy soil	40°C	90°C	4	Yes
3	Whites	-	90°C	4	Yes
4	Fast Coloureds - heavy soil	40°	60°C	4	Yes
5	Fast Coloureds	-	60°C	4	Yes
6	Non-fast coloureds	-	40°C	4	Yes
7	Rinses	-	-	4	Yes
8	Special Treatments	-	-	1	Yes
9	Spin	-	-	-	Yes

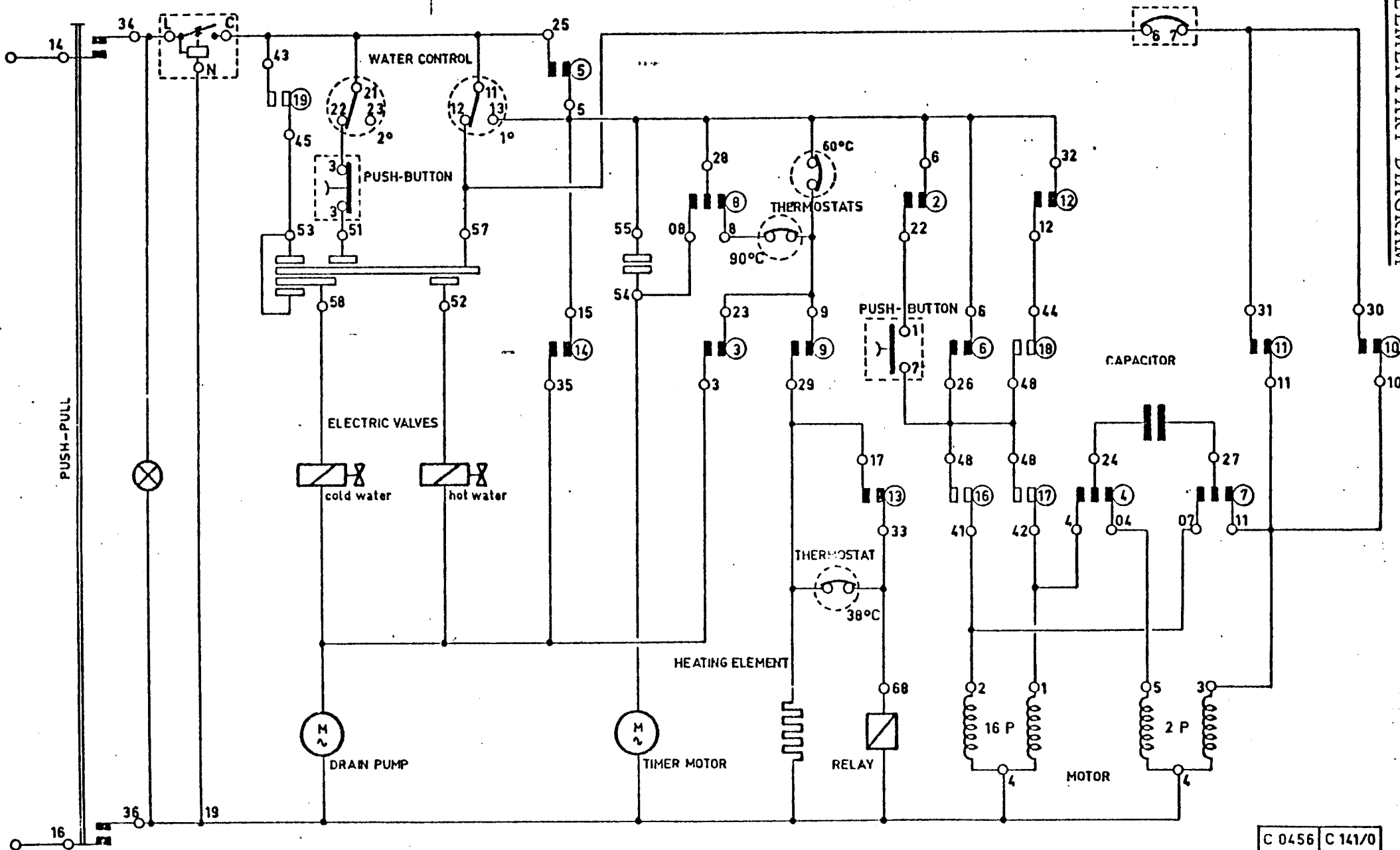
Synthetics - Wool (Delicate cycles)

10	White nylon - heavy soil	40°C	60°C	3	N.D.*
11	White Nylon	-	60°C	3	N.D.*
12	Minimum Iron	-	48°C	3	N.D.*
13	Delicates	-	40°C	3	N.D.*
14	Woolens (I.W.S.)	-	40°C	3	N.D.*
15	Rinses	-	-	3	N.D.*
16	Special Treatments	-	-	1	N.D.*
17	Drain & Short Spin	-	-	-	-
18	Drain	-	-	-	-

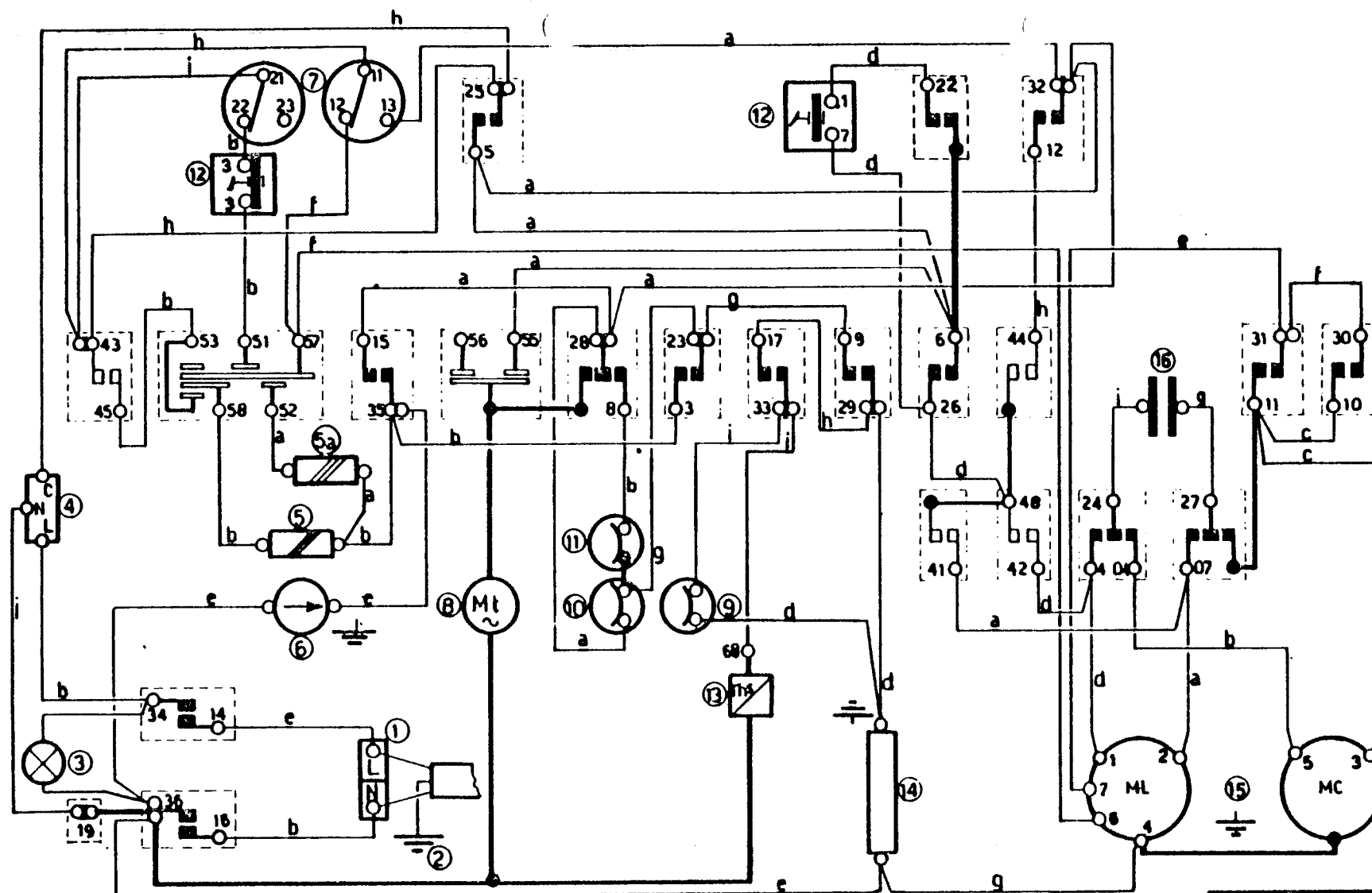
* N.D. No Draining - To empty the machine in the no-drain position, the timer must be advanced manually to programme No. 17 or 18.

DOOR SAFETY INTERLOCK

OVERLOAD CUT-OUT



SL27T WIRING DIAGRAM




C 0456 C 141/0

1	JUNCTION BOX	9	LOW TEMPERATURE THERMOSTAT	a	PINK
2	EARTH	10	MEDIUM TEMPERATURE THERMOSTAT	b	BLUE
3	PILOT LAMP	11	HIGH TEMPERATURE THERMOSTAT	c	VIOLET
4	DOOR SAFETY INTERLOCK	12	PUSH - BUTTON BOARD	d	LIGHT - BLUE
5	COLD WATER ELECTRIC VALVE	13	THERMOSTOP DEVICE	e	BROWN
5a	HOT WATER ELECTRIC VALVE	14	HEATING ELEMENT	f	GREY
6	DRAIN PUMP	15	MOTOR	g	WHITE
7	PRESSOSTAT			h	BLACK
8	TIMER MOTOR			i	ORANGE

TIMER DETAILS - C141/0

Inching Movement (Increment)	Timer diagram description	Time Interval	Temper atures	Cycles SL27T SL128T	
1	Water load & washing (cold 1st level)	*2'		1	2
2	Heating and washing	x2'	40°C		
3	Draining	2'			
4	Water load & washing (hot 1st level)	*2'		2	3
5	Heating & washing	x2'	90°C		
6	Washing	1'			
7	Washing	1'			
8	Water Load & washing (cold 1st level)	*2'		3	
9	Heating & washing	2'	40°C		
10	Draining (if temp below 60°C)	2'			
11	Water load (hot & cold 1st level) & washing	*2'		4	5
12	Heating & washing	x2'	60°C		
13	Water load (cold 1st level) & washing	*2'		5	6
14	Heating & washing	x2'	40°C		
15	Cooling (time fill cold)	2'			
16	Draining	2'			
17	Water load (cold 2nd level)	*2'		6	7
18	Washing	2'			
19	Draining	2'			
20	Spin	1'			
21	Draining	1'			
22	Water load (cold 2nd level)	*2'			
23	Washing	2'			
24	Draining	1'			
25	Spin	1'			
26	Water load (cold 2nd level)	*2'			
27	Draining	2'			
28	Spin	2'			
29	Water load (cold 1st level)	*2'		7	8
30	Washing	2'			
31	Draining	1'		8	9
32	Spin	1'			

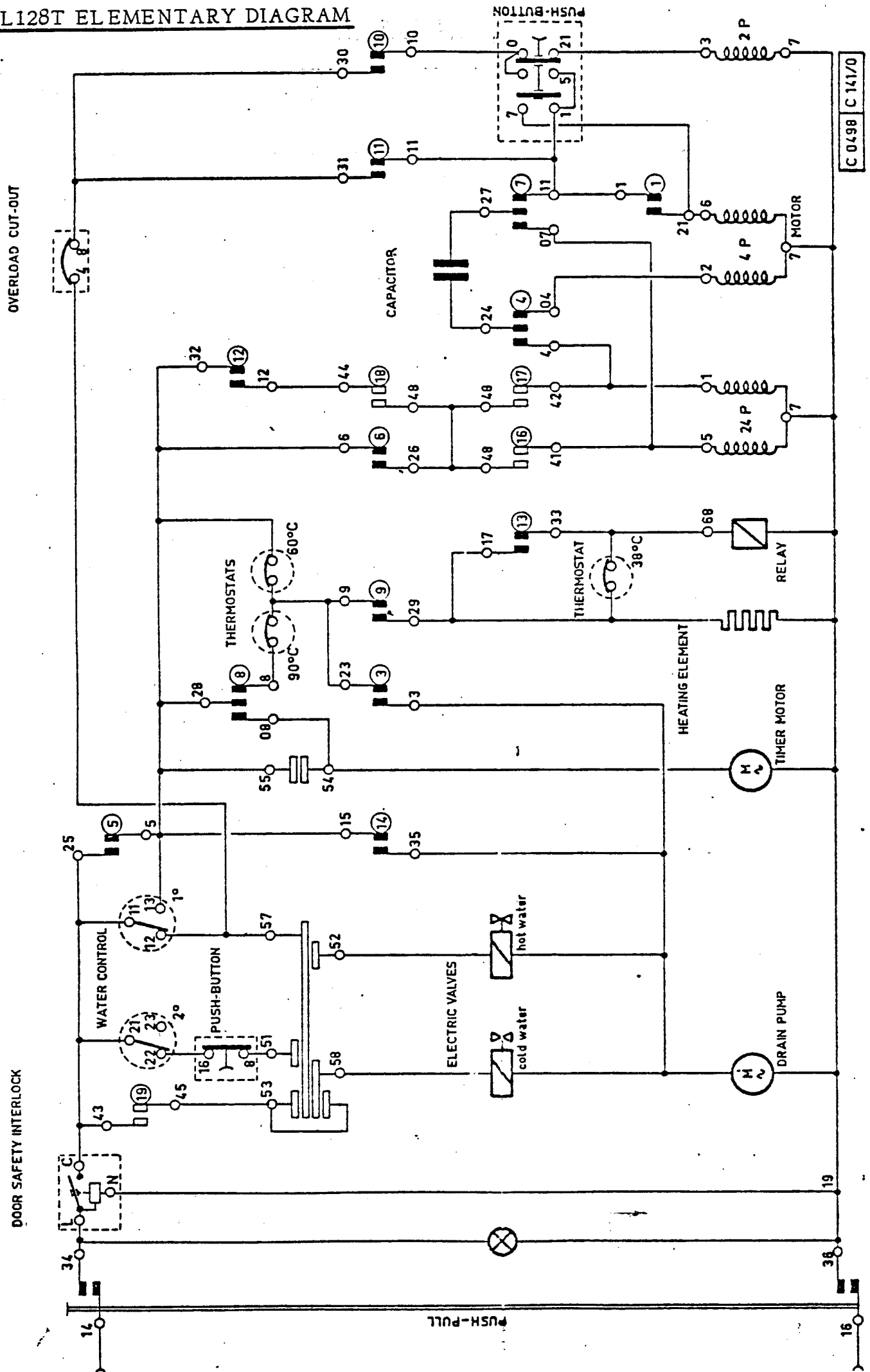
TIMER DETAILS

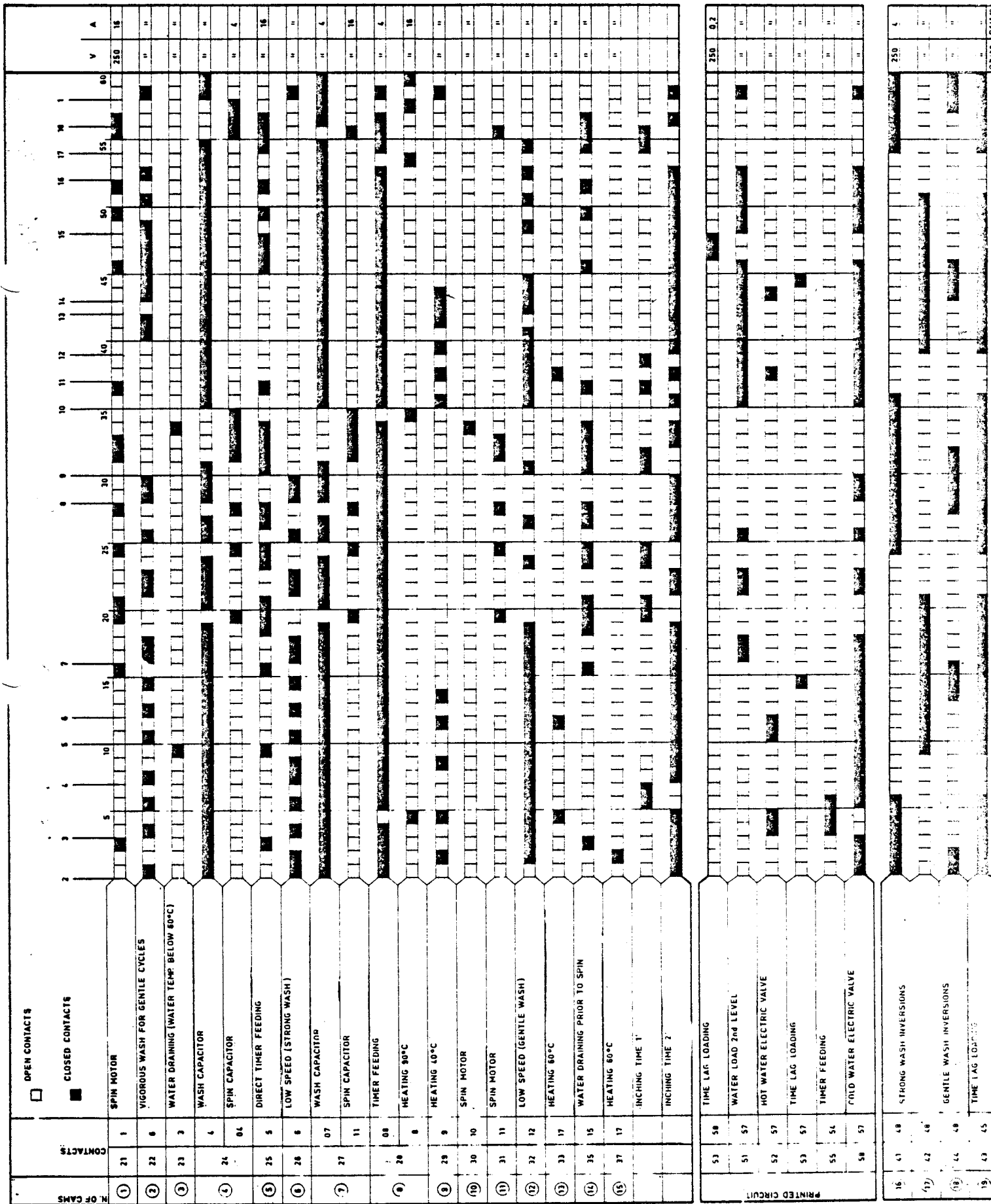
Inching Movement (increment)	Timer diagram description	Time Interval	Temper atures	Cycles SL27T	SL128
33	Spin	2'			
34	Spin	2'			
35	Stop				
36	Water load & washing and heating (cold 2nd level)	x*2'	40°C	9	10
37	Draining	1'			
38	Water load & washing and heating (hot & cold 2nd level)	x*2'	60°C	10	11
39	Washing	1'			
	Water load & washing & heating (cold 2nd level)	x*2'	48°C	11	12
41	Washing	2'			
42	Pause	2'			
43	Water load washing & heating (cold 2nd level)	x*2'	40°C	12	13
44	Water load & washing and heating (hot & cold 2nd level)	x*2'	40°C	13	14
45	Cooling time fill cold	2'			
46	Draining	2'			
47	Time controlled water load	2'			
48	Time controlled water load	2'			
49	Water load & washing (cold 2nd level)	*2'			15
50	Draining	2'			
	Water load & washing (cold 2nd level)	*2'			
52	Draining	2'			
53	Water load & washing (cold 2nd level)	*2'			16
54	Stop	-			
55	Draining	1'			17
56	Spin	1'			
57	Draining	2'			18
58	Stop	-			
59	Water load & washing and heating (cold 2nd level)	x*2'	40°C		1
60	Stop				

x = Variable time interval depending on the initial water temperature.

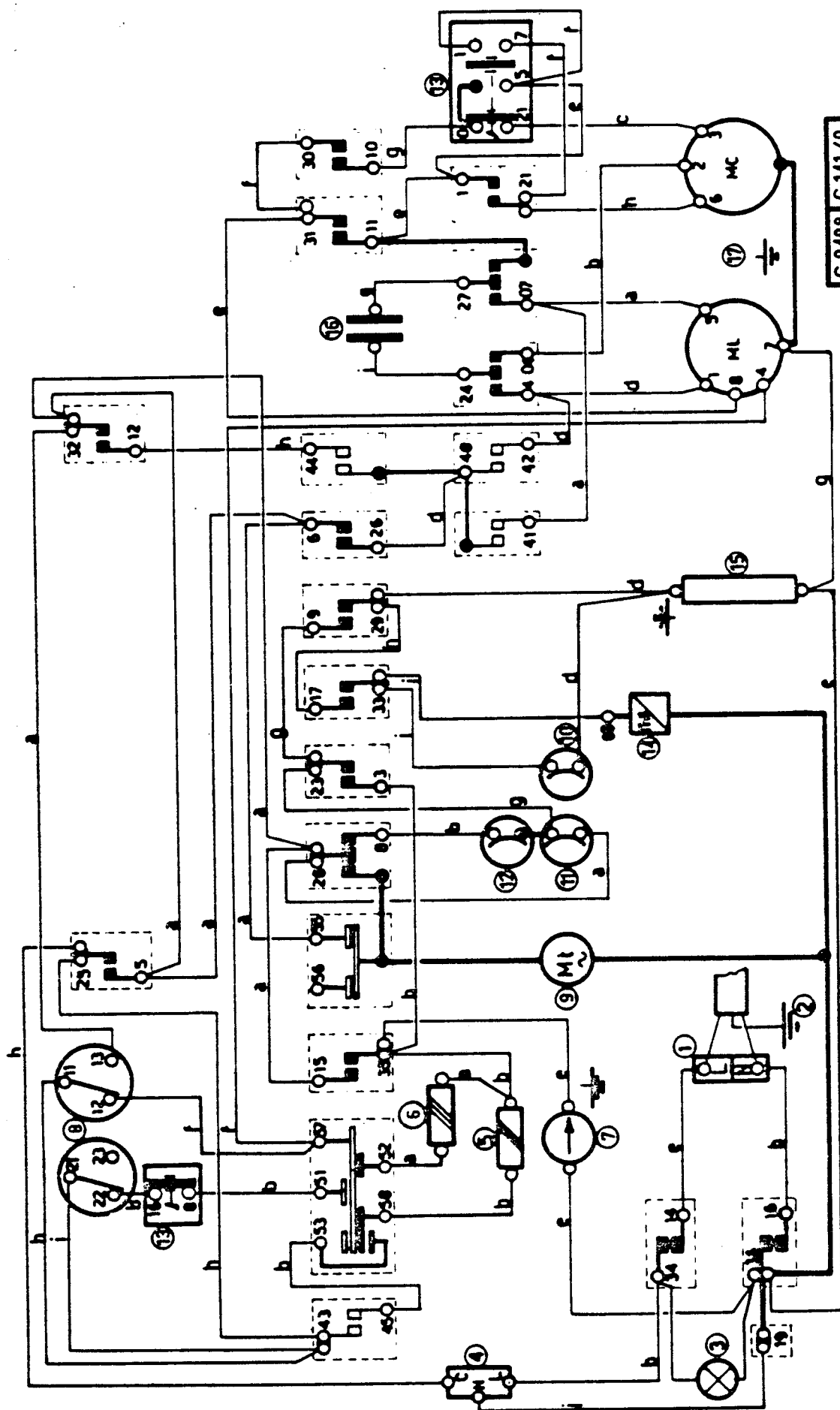
* = Variable time interval depending on the pressure existing in the water supply network.

SL128T ELEMENTARY DIAGRAM





SL128T WIRING DIAGRAM



C 0498			C 141/0		
1	JUNCTION BOX	10	LOW TEMPERATURE THERMOSTAT	a	PINK
2	EARTH	11	MEDIUM TEMPERATURE THERMOSTAT	b	BLUE
3	PILOT LAMP	12	HIGH TEMPERATURE THERMOSTAT	c	VIOLET
4	DOOR SAFETY INTERLOCK	13	PUSH - BUTTON BOARD	d	LIGHT - BLUE
5	COLD WATER ELECTRIC VALVE	14	THERMOSTOP DEVICE	e	BROWN
6	HOT WATER ELECTRIC VALVE	15	HEATING ELEMENT	f	GREY
7	DRAIN PUMP	16	CAPACITOR	g	WHITE
8	PRESSOSTAT	17	MOTOR	h	BLACK
9	TIMER MOTOR			i	ORANGE

APPLIANCE HANDLING AND TRANSIT
BARS

The washing machine has a transit bracket screwed into the top of the side panels and bolted to the counterweight to secure the tub; it also has another bracket fastening the motor to the back of the machine.

- It is absolutely necessary to remove these parts before putting the machine into operation.

To remove proceed as follows: Release 6 retaining screws on top panel and remove, release the top transit bracket by removing the necessary screws and nuts.

necessary screws and nuts.
Release fixing screws securing back panel and remove. Release the lower fixing bracket by removing the necessary screws and nut. Replace top and back panels.

Replace top and back panels.
It is advisable to replace the transit bars should it be necessary
to move the appliance from one premises to another.

to move the appliance from one premises to another. When carrying out repairs that require the machine to be tilted or laid down, it is recommended to tilt or lay the machine on its back, never to the side positions.

Component removal chart.

[illegible]