

Programming
T3290, T3530, T3650
TD30, TD50, TD75
Basic-3 Control

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GB

Contents

General	5
Switching to programming mode	6
Changing parameters.	7
Parameter list	8
Residual moisture level	11
Error codes	12
Running hours counter	13



Programming is only to be carried out by qualified personnel.



The manufacturer reserves the right to modify design and material specifications without notice.

General

At the factory, the dryer has been set to specific values for:
Time, temperature, cooling, reversing, etc.

To change the preset parameters switch the electronic control
to the programming mode.

The display will then read **SP** and the 3 keys can now be
used to change the parameters.

Adjustable parameters

- 00. Machine type
- 01. - 03. Temperature
- 04. Temperature hysteresis
- 05. Time interval
- 06. Max. running time or "coin 2"
- 07. Running time between reversals
- 08. Cooling time
- 09. - 11. Residual moisture levels
- 12. - 14. Extra drying time



Caution



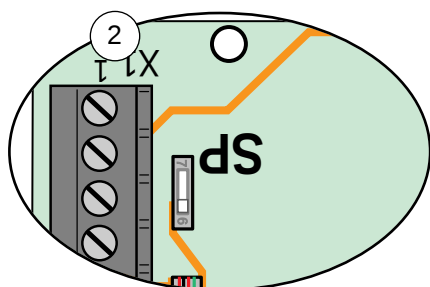
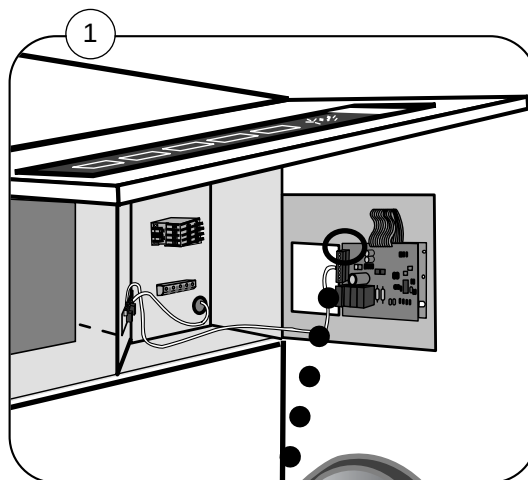
The control circuit board
in this dryer contains
hazardous voltages. Refer
servicing to qualified
personnel.

Note !!

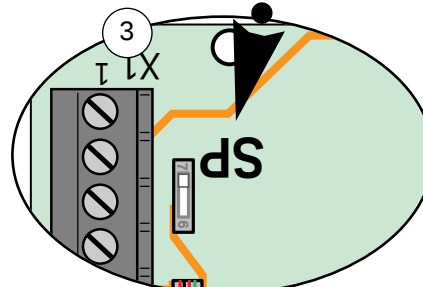
If Programming is activated
when the machine power is
subsequently switched on, a
test and diagnosis program
will start.

Switching to Programming mode

1. Open the loading door (the door must be kept open), fig. 1.
2. Open the door of the control panel.
3. Move the switch on the circuit-board to position **SP**, fig. 3.
4. Program the dryer as described on following pages.
5. End of programming. Move the switch back to normal mode, fig. 2.

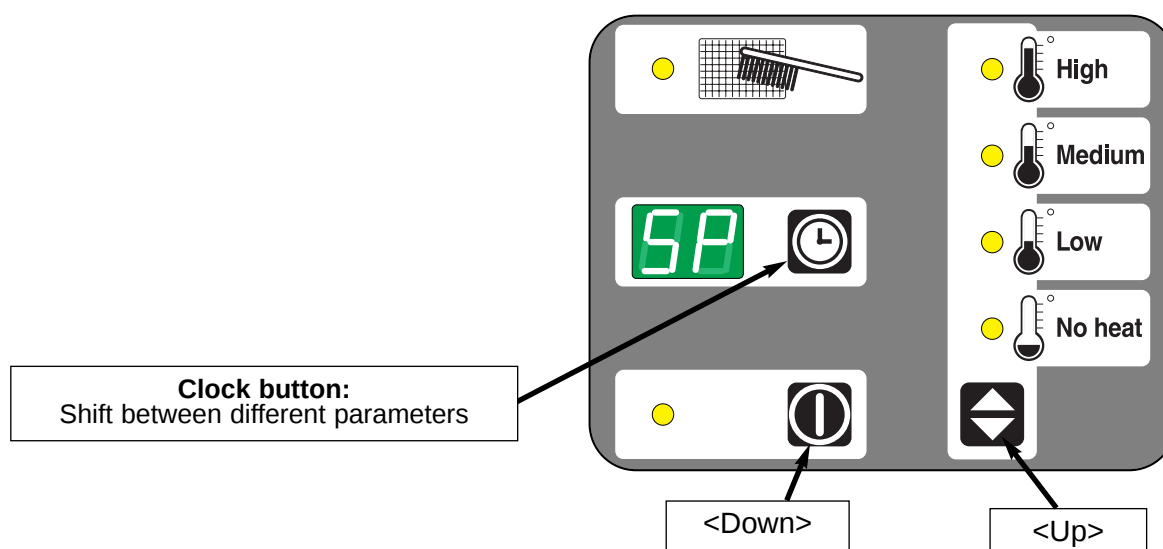


Normal mode



Programming mode

Control panel in Programming mode



Changing parameters

Changing of machine type

Press the clock button; the display will read **00.**

The first parameter **00.** = machine type.

The parameter numbers are shown for two seconds with a dot after the last digit.

After two seconds the machine type selected will be displayed.

Example:

10 corresponds to manual time control without reversing.

The machine type can be changed by using the buttons to count up or down.



Changing parameters

When the machine type has been selected, push the clock button; parameter **01.** will be displayed.

After two seconds a value is shown which can be changed by means of the count up/down buttons.

Now press the clock button again; the next parameter will be displayed.

After two seconds a value is shown which can be changed by means of the count up/down buttons, etc....

It is possible to scroll the parameters by pushing the clock button repeatedly.



Parameter 00. Machine types

Parameter	Designation	Factory setting	Comments
00.	Dryer without reversing		
	Manual time control	10	
	Manual with RMC	50	
	Coin	11	
	Coin	51	Japan
	Central control panel	12	
	Dryer with reversing		
	Manual time control	30	
	Manual with RMC	70	
	Coin	31	
	Coin	71	Japan
	Central control panel	32	

Parameter 01.- 03. Temperature setting

Parameter	Designation	Range	Step	Factory setting °C	Comments
01.	Temperature High	32 - 80°C	1°C	80	Air outlet temperature High.
	Temperature High US only	32 - 80°C	1°C	70	Air outlet temperature High (185°F)
02.	Temperature Medium	32 - 80°C	1°C	70	Air outlet temperature Medium.
	Temperature Medium US only	32 - 80°C	1°C	60	Air outlet temperature Medium (140°F)
03.	Temperature Low	32 - 80°C	1°C	50	Air outlet temperature Low (122°F)

Parameter 04. Temperature hysteresis

Parameter	Designation	Range	Step	Factory setting °C	Comments
04.	Temperaturhysteresen	01 - 10°C	1°C	02	Difference between heat on or off (3.6°F)

Parameter 05. - 06. Time setting

Parameter	Designation	Range	Step min	Factory setting	Comments
05.	Time interval	0.1 - 9.9 min	1/10	- -	Running time per coin insert / push if time-controlled.
		10 - 90 min	1	15	
	Time interval US only	10 - 90 min	1	10	
06.	Max. running time or Time interval coin 2 (double coin inlet)	0.1 - 9.9 min	1/10	60	**
		10 - 90 min	1		

**** Note!** If maximum running time on a manual machine is changed eg to 30 minutes, the machine cannot choose to run more than the maximum time, ie 30 minutes.

Parameter 07. Reversing

Parameter	Designation	Range	Step min	Factory setting	Comments
07.	Running time between reversals	01 - 9,9 min	1/10	5.0	Change the setting by 1/10 minute per push.

Parameter 08. Cooling down time

Parameter	Designation	Range	Step min	Factory setting	Comments
08.	Cooling down time	00 - 10 min	1	03	Running time without heat at end of cycle.
	Cooling down time US only	00 - 10 min	1	01	Coin only

Parameter 09. - 11. Residual moisture level

The measurement of residual moisture level consists of a combined parameter set for residual moisture + a parameter for extra drying time.

The values for residual moisture are given in hexadecimal (05-F0).

See explanation on following page.

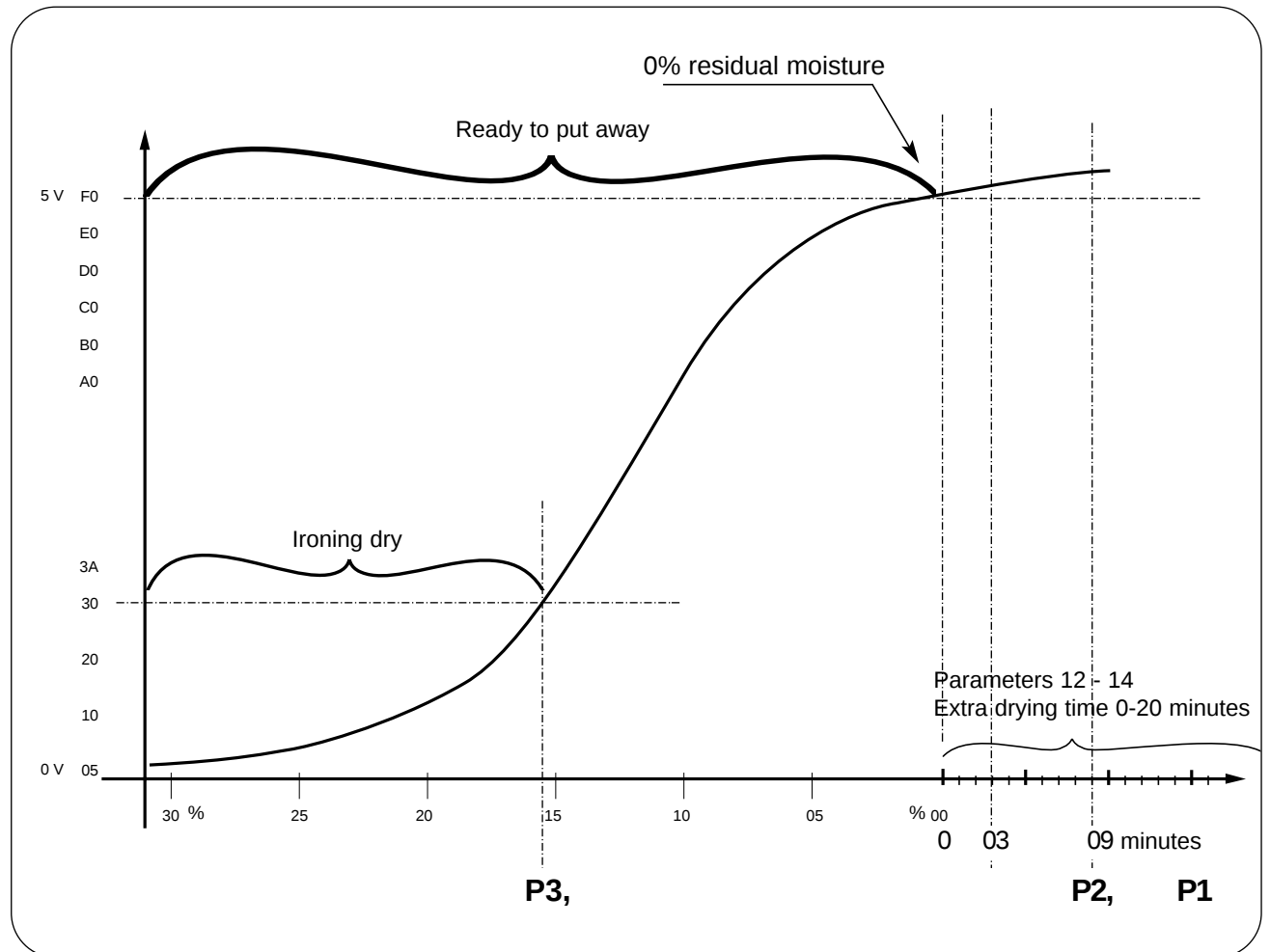
Parameter	Designation	Range	Step	Factory setting	Comments
09.	P1 extra dry	05 - F0	-	F0	Parameter 09. + parameter 12.
10.	P2 ready-to-put-away	05 - F0	-	F0	Parameter 10. + parameter 13.
11.	P3 ironing dry	05 - F0	-	30	Parameter 11. + parameter 14.

Parameter 12. - 14. Extra drying time

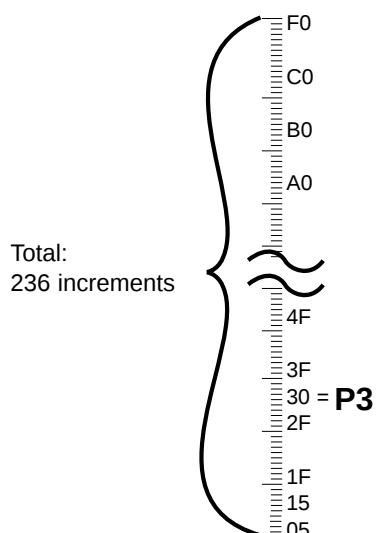
Parameter	Designation	Range	Step min	Factory setting	Comments
12.	P1 extra dry	00 - 20 min	1	09	Parameter 09. + parameter 12.
13.	P2 ready-to-put-away	00 - 20 min	1	03	Parameter 10. + parameter 13.
14.	P3 ironing dry	00 - 20 min	1	00	Parameter 11. + parameter 14.

Residual moisture level

Measurement principle



Explanation of Y-axis (hexadecimals)



The values for residual moisture are displayed in so-called hexadecimals - a series of numbers covering a total of 16 values for each digit (0,1,2,3,——9,A,B,C,D,E,F). A total of 236 values can be shown.

Example:

P3, ironing dry, parameter no. 11 = 30.

If the clothes are not dry enough, add increments by using the “count up” button: **31,32,33,34,.....3A,3b,3C,3d...** etc. up to **F0**

Error codes

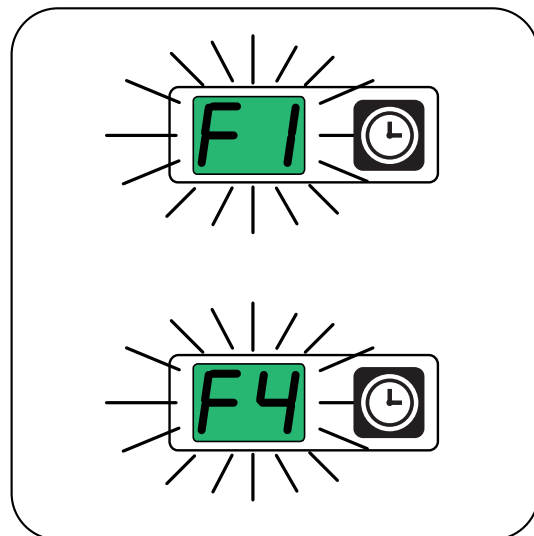
The machine has an automatic error report function displayed by means of error codes.

F1 = Setting of machine type is missing

- “F1” is shown while the print board is being changed
- “F1” is shown if the power is connected to the machine while the service program is active.

F4 = The thermal sensor is disconnected

Loose or broken connection.



Running hours counter

The machine is equipped with a running hour counter to track all the complete hours that the machine has been in operation.

The running hours read-out (a 6-digit number) is given in the display.

Running hours are shown each time the power is connected to the machine.

Example of machine having run for 12796 hours:

Switch the machine off and on again.

