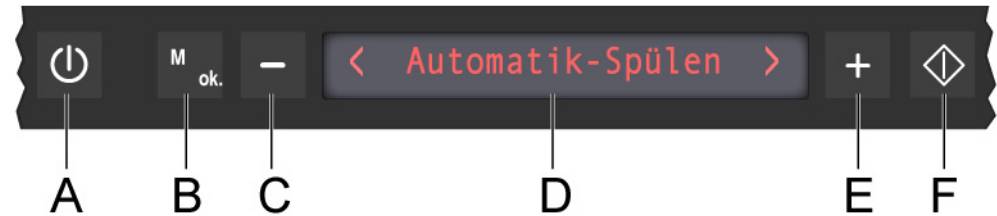


# Customer service test programme

## 1. Selecting the model coding:

Open the door; switch off the appliance; simultaneously press and hold down the two right sensor buttons “E and F”; also press sensor button “A” for at least 3 sec.



## 2. Select special programme:

Select the Customer – Service (S3) special programme by pressing the sensor buttons “C und E” and acknowledge with button “F”.

## 3. Display the fault memory:

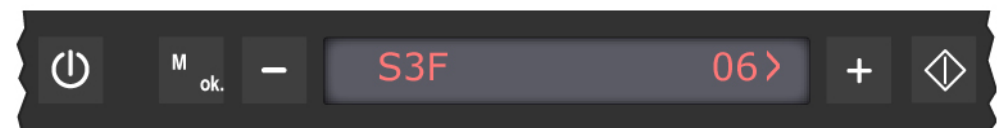
If the Customer Service programme is started via sensor button “F”, the fault memory of the last wash cycle is indicated via the display. The fault memory of the last 8 wash cycles can be read out via the +/- buttons. S3 for Customer Service programme, the fault code and the wash cycle are displayed.



## 4. Start the customer service programme:

When the fault memory has been displayed, the customer service programme is started by closing the door.

Programme steps can be skipped with the + button. Exception are the filling steps. S3 for Customer Service programme, the fault code and the programme step are displayed.



While the customer service programme is selected, each status change of the analogue signal inputs is acknowledged by the electronics module with an acoustic signal.

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## 5. Fault code:

Fault code	Fault type
A	Aqua sensor calibration fault infrared measuring distance
B	Aqua sensor calibration fault green measuring distance
C	No tachimpulses
D	Triac short-circuit, circulation pump
E	Water points, no switching impulses
F	Filling fault
G	Triac short-circuit, water points
H	Heating fault
I	- - -
J	- - -
K	NTC fault, interruption / short-circuit
L	Optical sensor, fault or no communication
M	Mains isolating relay stuck
N	Mains synchronisation not possible
O	Safety level detected
P	Safety level (O) detected 8 times

## 6. Abbreviations for programme sequence:

AWT= Heat exchanger outlet valve

P= Pump

WS = Alternate washing

ZR= Dispense detergent

FRW = Fill raw water

Pa = Pause

WWP = Position water points

ZK= Dispense rinse aid

FWW= Fill soft water

R= Regeneration valve

WK = Switch between UK / OK

OK = Top basket

H= Heat

U= Circulate

VF = Prefill heat exchanger F1

UK = Bottom basket

Opto\_Mess = Optical sensor measurement

AS\_KAL\_IR= Calibrate IR Aqua sensor

AS\_KAL\_GN= Calibrate GN Aqua sensor

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## 7. Sequence of the customer service test programme:

	Function	Time (s)	Temperature	Quantity	Washing technology	Sensor	r.p.m. UK	r.p.m. OK	r.p.m. WK	Time [s] OK/UK
0	P	30								
1	Optical sensor PTC on	2								
2	FWW + AS_KAL_IR + Opto_Mess_1			1.0 l						
3	Pa + AS_KAL_IR	2								
4	FRW + AS_KAL_IR			1.0 l						
5	Pa + AS_KAL_IR	2								
6	VF + AS_KAL_IR					F1				
7	Pa	2								
8	AS_KAL_GN	60								
9	AWT	60								
10	R	10								
11	ZR	90								
12-17	WWP				OK / UK					
18	Reversal relay auxiliary winding (SICASYM) + U	10 + 20			UK		Maximum			
19	WWP				OK					
20	U	20			OK			2200		
21	U + H	250	Max. 67°		WS		2500	1500	2000	15
22	P	5								
23	U	5								
24	P	5								
25	U	5								
26	P	5								
27	U	5								
28	ZK	90								
29	FWW + AWT			1.0 l						
30	AWT	10								
31	P	5								
32	U	5								
33	P	5								
34	U	5								
35	P	5								
36	U	5								
37	Opto_Mess_2	2								
38	Optical sensor PTC on	2								
39	P	30								
00	End of programme									

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Note: In Pos. 21 the circulation pump is activated for top basket washing at 1500 r.p.m. only. At this speed the upper spray arm cannot rotate or can rotate only very slowly. When the water points are positioned, the position switch is actuated 4 times whenever there is a change from OK to UK (or UK to OK). Whenever the position switch is actuated, an acoustic signal sounds.

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