

14. FAULTS

14.1 UNCRITICAL FAULTS

Fill, wash and drain program can be started.

During the fill program, uncritical faults are only indicated by the indicator lights and error codes (none green/red flashing ON/OFF button).

INDICATOR			THE ON/OFF BUTTON IS FLASHING GREEN/RED ALTERNATELY.				
Rinse	Wash	Lamp	FAULT			PARAM.	
AL		1 =	Drain fault		1] still exceeded at the end of the drain cycle. program until value is below [F11].	F11	
			Possible cause 1. Kinked drain hose. 2. Drain pump does not defective). 3. Pressure transmitted (wiring, PCB). 4. Trap possibly clogg	er B4 defective	Remedy 1. Place drain hose correctly. 2. Check drain pump, dismantle if necessary. 3. Check voltage level (service menu). 4. Check trap.		
HEI		1 =	Thermostop	The thermostop time [C25] is exceeded (max. heating period for wash and fill cycle). Reset via machine "OFF-ON".		C25 S02 S58	
			Possible cause 1. Booster heating det 2. Missing phases. 3. Machine single-pha 4. Tank heating defect tank) parameter S5	use connected (230 V). tive (with termostop	Remedy 1. Replace booster heating. 2. Check phases (also at site). 3. Connect to three-phase current if possible. 4. Replace tank heating.		
CH1 CH2		DOS	Chemical deficiency	Detergent deficiency X12.3 "on" / rinse aid deficiency X12.4 "on". If both containers are empty, CH1/CH2 is displayed alternately. CH1 Detergent / CH2 Rinseaid			
			Possible cause 1. Chemical container hoses not filled. 2. Adjustment of chem sensors not correct 3. Missing electrical states.	nical deficiency	 Remedy Refill container / carry out hose priming. Check settings (see chap. 7.3.2, page 19). Check voltage (X12.1 +5V, X12.2 0V) / check crimp connection. 		
SAL			Salt deficiency	Softener salt deficience (only if softener [\$05]	ey indication – X13.5 "on" = "1").	S05	
			Possible cause 1. Salt container empt 2. Float switch inside jammed [S3]. 3. Loose contact on P	salt container	1. Refill container with regeneration salt. 2. Loose the container a little and shake slightly. 3. Check crimp connection and contacts.		
d 0			External water treatment (option) Only if activated in service mode [S18]. The preset water quantity [C79] + [C80] is reached (down-counted For reset see customer menu.		C79 C80 S18		
			Possible cause 1. Counter reading of (liter) is "0". 2. Switching function without specified was	[S18] is set to "1"	Remedy 1. Reset counter (see customer menu). 2. Enter the desired water quantity (liter).		
	ON/OFF BUTTON: RUNNING INDICATION						
CLOSE Hood			Cause Fill cycle interrupted a	s hood is open.	Remedy Close hood, filling will continue.		

^{*} Intermediate draining is also monitored by the parameter C38, i.e. if the parameter is exceeded, AL fault appears.

SM-21904-001-GB Page 53

[.] Point run light to left to right Display Regeneration also takes place during the filling operation



14.2 CRITICAL FAULTS

Only the drain program can be started. Fill program and all wash programs are locked.

INDICATOR		R	THE ON/OFF BUTTON ILLUMINATES RED.			
Rinse	Wash	Lamp	FAULT			PARAM.
F01	1 2	1 =	Temperature probe BOOSTER B1	Booster heating RL10 will be switched off immediately. Fill and wash programs are locked, drain program can be s		
			Possible cause 11 = short circuit (te or wires to prob 22 = open circuit. 3. Inlet temperature to lo	pe).	Remedy 1. Check wires, replace temperature probe. 2. Replace wiring, replace temperature probe if necessary. 3. Check inlet temperature.	
F02	1 2	1 =	Temperature probe TANK B2		Il be switched off immediately. ms are locked, drain program can be started.	
	_		Possible cause 11 = short circuit (te or wires to pro 22 = open circuit		Remedy 1. Check wires, replace temperature probe. 2. Replace wiring, replace temperature probe if necessary.	
F03	1	€	Pressure transmitter BOOSTER B3	If the input voltage is stopped.	ge X14.7 — min. 0.3V up to max. 4.0V. out of range, the running program will be ms are locked, drain program can be started.	
			Possible cause 1 1 = short circuit (trate to transmitter) 2 2 = open circuit / <	/ > 4.0V.	Remedy 1. Check wires, replace transmitter B3. 2. Replace wiring, replace B3 if necessary.	
F04	1		Pressure transmitter TANK B4	If the input voltage is stopped.	ge X14.10 – min. 0.3V up to max. 4.0V. out of range, the running program will be ms are locked, drain program can be started.	
			Possible cause 1 1 = short circuit (trate to transmitter) 2 2 = open circuit / <	/ > 4.0V.	 Remedy Check wires, replace transmitter B4. Replace wiring, replace B4 if necessary. 	
	3	3 1=	Pressure transmitter TANK B4 / SOFTENER	The max. water quar reached. Only "drain	ntity [C82] is exceeded and value [F16] is not ing" possible.	C82 F16
			Possible cause 1. Air trap blocked or leaky. 2. Hose to pressure transmitter leaky. 3. Valve Y4.2 locked (drain direction) or coil defective. 4. Extension board not correctly plugged to Main PCB. To quit the fault: start drain program or reloa		Remedy 1. Check air trap, clean or replace if necessary. 2. Replace hose. 3. Run Softener Test. Replace switching valve if necessary. 4. Plug in correctly. d machine program no. (U01 see page 23).	
SIE			STRAINER CONTROL	Reed-switch [S4] (X1	13.7) more than 5 seconds "off". programs is locked automatically.	S38
			Possible cause 1. Tank strainer is missin positioned. 2. Magnet at the straine 3. Reed switch in wrong 4. Cable break.	ng or not correctly	Remedy 1. Put strainer correctly in place. 2. Fit magnet. 3. Put reed switch in correct position. 4. Replace reed switch and cable.	

Page 54 SM-21904-001-GB



INDICATOR		R	THE ON/OFF BUTTON ILLUMINATES RED.				
Rinse	Wash	Lamp	FAULT				
FIL			FILL 1	not count (no impulses Reset via input pulses	is triggered and the impeller switch S2 does s on X14.3 -machine with impulse counter). on X14.3 or machine "OFF". S52 = 1. If S52 ut impeller counter) the level in the booster 1V in the time C90		
			Possible cause with 1. Bad contact at import (airgap) or PCB. 2. Impeller switch PCI 3. Reed switch in wro Possible cause without 1. Shut-off valve is close.	eller switch plug B not correctly locked. ng position. out incoming water	Remedy 1. Check contacts, solder plug (airgap) if necessary. 2. Check PCB and lock in place. 3. Put reed switch in correct position. Remedy 1. Open shut-off valve at site.		
			Fill valve Y1 defect No output signal from	ive (wiring and pin).	 Check fill valve via service mode and replace if necessary. Replace PCB. 		
FIL		5 =	FILL 2	Exceeded fill time [C4 The fill valve Y1 (RL7) immediately. Reset via	and all other outputs will be switched off	C43	
			Possible cause 1. See above. 2. Line flow pressure 3. Line strainer clogge		Remedy 1. See above. 2. Check line flow pressure. 3. Clean line strainer.		
FIL			FILL 3	External fill valve is triggered, tank level does not rise.		C34 F27	
			Possible cause 1. Shut-off valve is closed. 2. Fill valve Y1 defective (wiring and pin). 3. Line strainer clogged.		1. Open shut-off valve at site. 2. Check fill valve via service mode and replace if necessary. 3. Clean line strainer.	\$37	
UL			OVERFLOW PROTECTION	When [F18] is exceeded, a running program will be stopped: - after 5 seconds [S37] = "1" - immediately [S37] = "0". The drain pump RL8 will be switched on until [F17] is below prese value.		F17 F18 S37	
			Possible cause 1. Fill valve is jammed permanently. 2. Hose from air trap tank (B4) is leaky. 3. Not enough water i - Drain pump clogg	to pressure transmitter s pumped out. ged.	Remedy 1. Replace fill valve Y1 2. Drain tank manually and replace hose. 3. Drain tank manually Dismantle and clean drain pump or replace if necessary Place drain hose correctly.		
ERR		1 =	INTERFACE Possible cause	Communication proble	em. Remedy		
			Broken connection: Defective Circuit Bo		 Check plugs/cable and connect correctly. Replace PCB. 		

14.3 OTHER INDICATIONS

INDICATOR			THE ON/OFF BUTTON IS FLASHING BLUE/RED ALTERNATELY.			
Rinse	Wash	Lamp	FAULT			PARAM.
			Low level tank			
			Possible cause 1. Wash tank filters bl 2. Ware wash loaded top		Remedy 1. Remove and flush strainers. 2. Correct loading of the wash ware	

SM-21904-001-GB Page 55