
























# Fault Codes and Service Programmes

Display CS Program		Display Customer		Description	Appliance behaviour	Results of internal check	Measures
Display	LED Act.   Clean   Sani mm   End   	Display	LED End   	 LED off  LED on  flashes slow  flashes quick			
<b>E:00</b>	  			No error	---		---
<b>h:00 – h:24</b>				No error	Appliance does not start	Delay timer is activated!	No appliance fault!
<b>All LED's are on</b>				Interface error	Appliance without function	Appliance must be disconnected from the power supply after flash process (main switch on/off is not adequate!)	
  <b>LED's flashing</b>					Stops in current position, Appliance without function	Communication error between the electronics	<ul style="list-style-type: none"> <li>- Check D-bus plug-and-socket connections (3-pole wire) for electrical connection faults</li> <li>- Disconnect appliance from the power supply (unplug and plug in again)</li> <li>- Run Flash process again</li> <li>- Replace module</li> </ul>
<b>E:01</b>	 	<b>E:01</b>		Internal fault power module	→ End of programme	Pump control or pump switchover defective	Replace the power module
<b>E:02</b>		<b>E:02</b>			Operates without heater	Working relay for heater defective	
<b>E:03</b>		<b>E:03</b>			Operates without auxiliary drying system	Working relay for auxiliary heater defective	
<b>E:04</b>		<b>E:04</b>			Operates without heater	- Ground fault at zeolite heater - Safety relay heater defective	- Replace zeolite heater - Replace the power module
					Due to manufacture, new appliances until FD9108 may have stored error code E:04 once during the first 8 wash cycles.		No appliance fault!
<b>E:05</b>		<b>E:05</b>			Water switch is running continuously → programme termination with draining	Triac for water switch motor defective	Replace the power module
<b>E:06</b>		<b>E:06</b>		Door Hall sensor fault	Stops in current position, appliance without function	Wire to the Hall sensor interrupted or power module defective	Check wire / plugs Measure supply voltage on the Hall sensor
					Hall sensor defective		→ If voltage on the Hall sensor is o.k., replace Hall sensor








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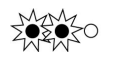

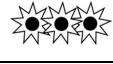
Display CS Program		Display Customer		Description	Appliance behaviour	Results of internal check	Measures
Display	<b>LED</b>	Display	<b>LED</b>	 LED off  LED on  flashes slow  flashes quick			
	Act.   Clean   Sani mm   End   		End   				
<b>E:07</b>				Heating fault	Operates without auxiliary drying system	Fan defective or blocked, module on the fan defective	Check components and connection wires, measure winding. (Only on appliances with Zeolite drying system)
<b>E:08</b>					Operates without heater	Heat pump detects too low water level in pump sump.	Heat exchanger valve leaky
						Low voltage	Bowls / pans overturned in the appliance? no appliance fault!
<b>E:09</b>			<b>E:09</b>			Heating circuit interrupted (resistance, supply wires, contacts of the safety relay on power module)	Measure heater resistance Check wires
<b>E:10</b>					Operates without Zeolite - drying system (Applies only to appliances with Zeolite drying system)	Zeolite heater heating circuit interrupted (resistance / supply wires)	Measure heater resistance Check wires
						Fan module defective	Check component
						Wires interrupted	Check wires
<b>E:11</b>			<b>E:11</b>			Operates without heater	NTC resistance values outside permitted range
				Wire or plug interrupted	Check wires / plugs		
<b>E:12</b>				Operates without auxiliary drying system	NTC resistance values outside permitted range	Measure NTCs	
<b>E:13</b>				Operates without heater	Water temperature too high (>75 °C)	Protective measure – no appliance fault! Check temperature of water supply	

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Display CS Program		Display Customer		Description	Appliance behaviour	Results of internal check	Measures
Display	LED Act. Clean Sani mm End	Display	LED End	 LED off  LED on  flashes slow  flashes quick			
<b>E:14</b>		<b>E:14</b>	● ●	Filling fault	Programme stops with draining	No impulses from flow sensor, although water is detected by heat pump	Check wires, test flow sensor (reed switch)
<b>E:15</b>		<b>E:15</b>	● 		Programme stops with intermittent pumping	Base carrier safety switch active. Appliance cannot be switched off	Search for cause of water in the base carrier
<b>E:16</b>		<b>E:16</b>	●		Programme stops with draining	Water supply (impulses from flow sensor) without activation of the filling valve	Check filling valve Check actuation of filling valve
<b>E:17</b>		<b>E:17</b>	●		Wait for supply; programme stops with draining	Water supply rate too high according to flow sensor	Check flow controller in the filling valve
<b>E:18</b>		<b>E:18</b>	●			Water supply rate too low according to flow sensor or no water supply	Check water supply
<b>E:19</b>				Circulation pump fault		Reserved	---
<b>E:20</b>		<b>E:20</b>	●		→ End of programme	Resistance values of heat pump wrong	Check wires / plugs Measure resistance values of windings
<b>E:21</b>		<b>E:21</b>	●		→ End of programme	Heat pump blocked	Check heat pump for foreign objects, if required replace

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<b>E:22</b>		<b>E:22</b>	● ●	Drain pump fault	→ End of programme	Residual water in the pump sump, as filters dirty	Clean filters	
<b>E:23</b>		<b>E:23</b>	●		→ End of programme	Resistance values of drain pump wrong	Check wires / plugs Measure resistance values of windings	
<b>E:24</b>		<b>E:24</b>	● ●		→ End of programme	Non-return valve leaky	Check non-return valve for leaks	
					→ End of programme	Draining not possible. Drain pump cover missing from pump sump	Check water drainage (hose kinked, blocked, delivery height, pump cover) → Attach drain pump cover	
					→ End of programme	Drain pump blocked (from FD 9101 till FD 9108)	Check drain pump for foreign objects	
<b>E:25</b>		<b>E:25</b>	● ●		→ End of programme	Drain pump blocked	Check drain pump for foreign objects	
						Drain pump cover missing from pump sump	Attach drain pump cover	
<b>E:26</b>				Water switch fault	Permanet activation of water switch	No impulses from water switch despite actuation	Check wires Measure mains voltage on the motor Test switch at water switch	
<b>E:27</b>		<b>E:27</b>	●	Undervoltage fault	→ End of programme	Continuous undervoltage (<170 V)	No appliance fault!	
<b>E:28</b>				AquaSensor fault	Operates without AquaSensor	Appliance without AquaSensor	Appliance equipped with AquaSensor?	
						Calibration of AquaSensor not successful	Check wires AquaSensor dirty?	

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Display	LED	Display	LED	 LED off  LED on flashes slow flashes quick			
	Act. Clean Sani mm End 		End 				
E:29				Internal error codes	Stops in current position, appliance without function, Malfunctions, unsatisfactory rinsing / drying result	Undervoltage (<170 V / 190 V)	No appliance fault!
E:30					Appliance switches off	Overvoltage (>290 V)	No appliance fault!
E:31						Reserved	Not relevant to customer service
E:32						Reserved	Not relevant to customer service

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