

Error code (on display)	Vertical error signals	Short description	Description
F1	<ul style="list-style-type: none"> ○ ○ ● ● 	The connection with door lock is opened or door is opened	<p>The door should be closed before programme is started. Once start button is pressed the controller will count down time until "door closed" signal is detected. When the counter reaches 30 seconds and machine could not detect the door lock signal it will be indicated as a failure.</p>
			<p>The "door closed" signal is checked during the whole washing cycle. If it was read as door open but it was not, the controller will detect door lock failure and will go to the safe state (indicating the error)</p>
F2	<ul style="list-style-type: none"> ○ ● ○ ● 	<p>The water level is not reached.</p> <ul style="list-style-type: none"> - water tap is closed - leakage in the machine - defective water valve 	<p>The failure is displayed if in any filling or heating step the water level stays below NWL for more than 5 minutes. When the failure occurs the programme will paused. To resume the programme START button must be pressed.</p>
F3	<ul style="list-style-type: none"> ○ ● ● ○ 	<p>Connection to temperature sensor open or short-circuited</p>	<p>Once temperature lower than 0°C or greater than 100°C is read the heating step is interrupted (heater element will be switched off) and heating sensor error will be displayed.</p> <p>If there are other heating steps included in programme chart the controller will skip them, but the washing cycle will be continued without heating.</p>
		<p>Temperature not reached the set point</p> <ul style="list-style-type: none"> - defective heater 	<p>The temperature value is read every 1 minute. After 10 minutes temperature is checked. If temperature hasn't risen by at least 2°C a heater error is displayed and the relay is switched off.</p> <p>If there are other heating steps included in the wash programme chart the controller will skip them. Cold wash actions will be executed instead (if specified for current programme).</p>
F4	<ul style="list-style-type: none"> ● ○ ○ ● 	<p>The water level does not fall below normal water level (NWL)</p> <ul style="list-style-type: none"> - pump is clogged - defective pump 	<p>The failure is displayed if at pumping step the water level did not fall below NWL. If the failure occurs the washing programme is interrupted cannot be to restart. The wash programme will be annulle</p>

Error code (on display)	Vertical error signals	Short description	Description
F5	<ul style="list-style-type: none"> ● ○ ● ○ 	The connection to the tacho generator is open, short-circuited or motor thermal protector is opened	If a washing programme is in execution and the motor control unit gets no signal from the tacho generator, a pause of 20 minutes is executed. After the pause, the programme is automatically restarted. Where the fault persist the machine makes 3 trials each with 20 minutes pause. If these trials fail a fatal error is displayed and the controller will go to the safe state. The trial counter will be reset if the machine works of a minute after a successful restarting of the machine in the retrial phase.
		The triac is short-circuited	The fault is displayed if the washing programme is in execution and the motor is working without control of triac. The washing programme is interrupted immediately. After 3 minutes try and the failure is no longer present, the trial counter will be reset after one minute. If the same fault occurs again, within first minute after resumption of the last trail, the programme will be stopped completely and the controller will go to the safe state.
F6	<ul style="list-style-type: none"> ● ○ ● ● 	Variant failure	In case of empty variant block or wrong CRC value for the variant block a fault is displayed.
F7	<ul style="list-style-type: none"> ● ● ○ ○ 	The washin machine does not reach max. spin speed (the tapped field relay does not switch)	The fault is displayed if at the end of the spinning cycle of the testing programme the spin is 200rpm less than the set spin speed. The failure is displayed at the end of the testing program.