

ALARMS TABLE

ALARM CODE	ALARM DESCRIPTION	ENABLED		FAULT CONDITION	POSSIBLE FAULT	MACHINE ACTION/STATUS	RESET KEY
			EWX14				
E11	Difficulties in water fill for washing		YES	Water load timeout expired (load timeout for water loads at level)	Tap closed or water flow too low Wrong drain pipe position Water inlet valve defective Air trap system leaking Pressure switch defective Wiring or main board defective	Cycle Paused with door locked	START RESET
E12	Water load problems during drying cycle		YES	Water load timeout expired during fabric detach phase (5 minutes - closed tap test)	Water tap closed or water flow too low Wrong drain pipe position Water inlet valve defective Air trap system leaking Pressure switch defective Wiring or main board defective	Cycle Paused with door locked	START RESET
E13	Water leakage		YES	Global water load timeout expired (maximum water quantity reached)	Wrong drain pipe position Water flow too low Water inlet valve defective Air trap system leaking Air trap systems clogged Pressure switch defective	Cycle Paused with door locked	START RESET
E21	Difficulties in draining for washing		YES	Water drain timeout expired (measured for each drain phase of a washing cycle)	Drain pipe blocked up Blocked/dirty filter Drain pump defective Pressure switch defective Wiring or main Board defective Drain pump rotor locked	Cycle Paused (after 2 attempts)	START ON/OFF RESET
E22	Water drain problems during drying cycle		YES	Virtual anti-boiler pressure switch ON during a drying cycle	Drain pipe blocked up Blocked/dirty filter Drain pump defective Pressure switch defective Wiring or main Board defective	Cycle Paused	START RESET
E23	Drain pump triac failure		YES	Incongruence between drain pump triac sensing and triac status	Drain pump defective Wiring or main board defective	Safety Drain cycle Cycle stops with door unlocked	RESET
E24	Drain pump triac sensing failure		YES	Wrong input signal to microprocessor	Main board defective	Safety Drain cycle Cycle stops with door unlocked	RESET
E31	Electronic pressure switch faulty		YES	Frequency of electronic pressure switch out of limits	Pressure sensor defective Wiring or main Board defective	Cycle blocked with door locked	RESET
E32	Electronic pressure switch calibration problems		YES	Frequency of electronic pressure switch not stable during draining phase	Water inlet valve defective Air trap system leaking Pressure switch/sensor defective Drain pipe blocked up Blocked/dirty filter Drain pump defective Wiring or main board defective	Cycle Paused	START RESET
E35	Water Overload		YES	Overload pressure switch on full state for a time longer than 15 seconds	Water inlet valve defective Air trap systems leaking Pressure switch defective Wiring or main board defective	Cycle blocked Safety drain cycle Drain pump always in operation (5 minutes ON, 5 minutes off, etc)	RESET
E38	Air trap system clogged		YES	Water level doesn't change for at least 30 sec. during drum rotations	Air trap system clogged Pressure sensor pipe clogged Motor belt broken	Heating Phase skipped	RESET
E41	Door opened		YES	Door lock timeout expired (20 seconds)	Door lock device defective Wiring or main board defective	Cycle Paused	START RESET
E42	Door lock device failure		YES	Door still locked when opening (timeout of 4 minutes)	Door lock device defective Wiring or main board defective Current leakage between heater element and earth	Cycle Paused	START RESET
E43	Door lock device triac failure		YES	Incongruence between door lock device triac sensing and triac status	Door lock device defective Wiring or main board defective	Safety Drain cycle activation Cycle blocked	RESET
E44	Door closed sensing failure		YES	Wrong input signal to microprocessor	Main board defective	Safety Drain cycle activation Cycle blocked	RESET
E45	Door triac sensing failure		YES	Wrong input signal to microprocessor	Main board defective	Safety Drain cycle activation Cycle blocked	RESET
E52	Tachometer faulty		YES	Bad or no signal from tachometer	Motor defective Motor Wiring or Motor Control board defective	Cycle blocked after 5 attempts with door locked	ON/OFF RESET
E57	FCV Current trip		YES	High current on inverter (>15A)	Motor defective Motor Wiring or Motor Control board defective	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E58	FCV Over current		YES	High current on motor phase (>4.5A)	Motor Control board defective, abnormal working condition	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E59	FCV Not Following		YES	No tacho signal from tachometer for 3 seconds	Motor defective Motor Wiring or Motor Control board defective	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E5A	FCV Heating		YES	High temperature on Heat Sink (>88°C) or NTC of FCV board open	Over load condition, Motor Control board defective	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E5C	FCV Over Voltage		YES	Dc bus voltage above the allowed value (430V)	Motor Control board defective Power line voltage too high	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E5D	FCV Unknown Message		YES	Message received by FCV is not correct	Transmission line noisy / FCV defective MB defective Communication wiring problems	---	ON/OFF RESET

E31	Electronic pressure switch faulty	YES	Frequency of electronic pressure switch out of limits	Pressure sensor defective Wiring or main Board defective	Cycle blocked with door locked	RESET
E32	Electronic pressure switch calibration problems	YES	Frequency of electronic pressure switch not stable during draining phase	Water inlet valve defective Air trap system leaking Pressure switch/sensor defective Drain pipe blocked up Blocked/dirty filter Drain pump defective Wiring or main board defective	Cycle Paused	START RESET
E35	Water Overload	YES	Overload pressure switch on full state for a time longer than 15 seconds	Water inlet valve defective Air trap systems leaking Pressure switch defective Wiring or main board defective	Cycle blocked Safety drain cycle Drain pump always in operation (5 minutes ON, 5 minutes off, etc)	RESET
E38	Air trap system clogged	YES	Water level doesn't change for at least 30 sec. during drum rotations	Air trap system clogged Pressure sensor pipe clogged Motor belt broken	Heating Phase skipped	RESET
E41	Door opened	YES	Door lock timeout expired (20 seconds)	Door lock device defective Wiring or main board defective	Cycle Paused	START RESET
E42	Door lock device failure	YES	Door still locked when opening (timeout of 4 minutes)	Door lock device defective Wiring or main board defective Current leakage between heater element and earth	Cycle Paused	START RESET
E43	Door lock device triac failure	YES	Incongruence between door lock device triac sensing and triac status	Door lock device defective Wiring or main board defective	Safety Drain cycle activation Cycle blocked	RESET
E44	Door closed sensing failure	YES	Wrong input signal to microprocessor	Main board defective	Safety Drain cycle activation Cycle blocked	RESET
E45	Door triac sensing failure	YES	Wrong input signal to microprocessor	Main board defective	Safety Drain cycle activation Cycle blocked	RESET
E52	Tachometer faulty	YES	Bad or no signal from tachometer	Motor defective Motor Wiring or Motor Control board defective	Cycle blocked after 5 attempts with door locked	ON/OFF RESET
E57	FCV Current trip	YES	High current on inverter (>15A)	Motor defective Motor Wiring or Motor Control board defective	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E58	FCV Over current	YES	High current on motor phase (>4.5A)	Motor Control board defective, abnormal working condition	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E59	FCV Not Following	YES	No tacho signal from tachometer for 3 seconds	Motor defective Motor Wiring or Motor Control board defective	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E5A	FCV Heating	YES	High temperature on Heat Sink (>88°C) or NTC of FCV board open	Over load condition, Motor Control board defective	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E5C	FCV Over Voltage	YES	Dc bus voltage above the allowed value (430V)	Motor Control board defective Power line voltage too high	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E5D	FCV Unknown Message	YES	Message received by FCV is not correct	Transmission line noisy / FCV defective MB defective Communication wiring problems	---	ON/OFF RESET
E5E	FCV-MB Communication	YES	Protocol communication between FCV and MB not aligned	Wiring defective FCV defective, WD defective UI defective MB defective, Weight defective	Cycle blocked after 5 trials	ON/OFF RESET
E5F	FCV Fault	YES	FCV control board is continuously in reset	FCV control board defective or communication wiring problems or main board defective	Cycle blocked after 5 trials with door unlocked	ON/OFF RESET
E5H	FCV Under Voltage	YES	Dc bus voltage below the allowed value (175V)	FCV mains wiring Motor Control board defective	Cycle blocked after 5 trials with door locked	ON/OFF RESET
E62	Overheating during washing cycle	YES	Water temperature higher than 88°C for a time longer than 5 minutes	Washing NTC defective Wash heater element defective Wiring or main board defective	Safety Drain cycle Cycle stopped with door unlocked	RESET
E66	EWX14: Heater or drying relay failure	YES	Incongruence between heater relay sensing and relay status	EWX14: Main board defective Current leakage between Wash/drying heater element and earth	Safety load cycle. Stop of the cycle with door locked	ON/OFF RESET
E68	Ground current leakage	YES	Voltage value on heater sensing different from Vmains value	EWX14: Current leakage between wash or dry heater element and earth	Cycle blocked with door opened	START RESET
E69	Washing heating element opened	YES	Voltage value different from Vmains value when heating element is not powered during the cycle execution	Wash heating element faulty (thermo fuses opened) Wiring defective Main board defective	No actions	START ON/OFF RESET
E6A	Heating relay sensing failure	YES	Wrong input signal to microprocessor	Main board defective Ultra aqua stop device or wiring faulty	Cycle blocked with door locked	RESET
E71	Washing NTC failure	YES	Wrong input signal to microprocessor (open circuit or short circuit)	Washing NTC defective Wiring or main board defective	Heating phases skipped	START RESET
E72	Output drying NTC failure	YES	Voltage value out of limit (open circuit or short circuit)	Output drying NTC defective Wiring or WD board defective	Drying heating phases skipped	START RESET
E73	Input drying NTC failure	YES	Voltage value out of limit (open circuit or short circuit)	Input drying NTC defective Wiring or WD board defective	Drying heating phases skipped	START RESET
E74	Washing NTC badly positioned	YES	The washing temperature does not increase	Washing NTC sensor badly positioned NTC sensor faulty Wiring or main board defective	Heating phases skipped	RESET
E83	Wrong selector reading	YES	Selector position code value not supported by the configuration data	Wrong configuration data on microprocessor Main board defective	Reset cycle	START RESET

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			EWX14				
E84	EWX14: Recirculation pump triac sensing failure		YES	Wrong input signal to microprocessor	Main board defective	Safety Drain cycle Cycle stops with door unlocked	RESET
E85	EWX14: Recirculation pump triac alarm		YES	Incongruence between triac sensing and triac status	EWX14: Recirculation pump defective Wiring or main board defective	Safety Drain cycle Cycle stops with door unlocked	RESET
E86	Selector table configuration error		YES	Incorrect configuration of the User Interface	Wrong or missing selector configuration data on UI microprocessor - User interface defective	---	START ON/OFF RESET
E87	User Interface microcontroller fault		YES	User interface microcontroller damaged	User interface defective	No actions to be performed. If still present replace the User Interface Board	START ON/OFF RESET
E91	UI-MB communication error		YES	Communication problem between UI and MB	Wiring defective, or UI, MB, Motor, WD, Weight board defective,	---	RESET
E92	UI-MB protocol incongruence error		YES	Protocol communication between UI and MB not compatible	Main board incompatible with user interface board	Cycle blocked	OFF/ON
E93	Machine configuration error		YES	Incorrect configuration of appliance	Incorrect configuration data Main board defective	Cycle blocked	OFF/ON
E94	Cycle Configuration error		YES	Incorrect configuration of washing cycles	Incorrect configuration data Main board defective	Cycle blocked	OFF/ON
E97	Incongruence between selector and cycles configuration		YES	Incongruence between program selector and cycle configuration	Incorrect configuration data Main board defective	Cycle blocked	RESET
E98	FCV_MB protocol incong. Error		YES	Protocol communication between FCV and MB not aligned	Main board incompatible with FCV control board	Cycle blocked	OFF/ON
E9C	User Interface Configuration fault		YES	Configuration wrongly or not received	Display Board	No actions	ON/OFF START RESET
E9E	UI touch fault		YES	Touch display not working	Display Board	No actions	OFF/ON
EA1	DSP system failure		YES	Not drum position sensing during motor activation	Wiring or main board defective DSP sensor failure Main motor belt broken	Skip of the drum positioning phase	START RESET
EA6	DSP door open failure		YES	Not impulses coming from DSP sensor during motor activation	Wiring or main board defective DSP sensor failure Main motor belt broken Lid open	Cycle paused	START RESET
EH1 (EB1)	Power supply frequency out of limits		YES	Power supply period lower/higher than configured values	Wrong or disturbed Power Supply line. Main board defective	Wait for nominal power supply conditions	OFF/ON
EH2 (EB2)	Power supply voltage too high		YES	MAIN_V sensing input voltage value greater than configured value	Wrong or disturbed Power Supply line. Main board defective	Wait for nominal power supply conditions	OFF/ON
EH3 (EB3)	Power supply voltage too low		YES	MAIN_V sensing input voltage value lower than configured value	Wrong or disturbed Power Supply line. Main board defective	Wait for nominal power supply conditions	OFF/ON
EHE (EBE)	FCV Relay failure		YES	Incongruence between safeties relay sensing and FCV relay status	FCV Relay defective FCV sensing circuit defective Wiring or main board defective	Safety Drain cycle activation, stop of the cycle with door opened	RESET
EC1	Electro valves blocked		YES	Flow meter running with electro valves switched OFF	Electro valves defective/blocked Main board defective	Cycle blocked Water drain up to anti-boil level or max. 5 minutes with door locked. When O.L. blocked drain pump ON/OFF for 5/5 minutes continuously	RESET
EC2	Weight sensor communication error		YES	Communication problem between Weight sensor and MB	Wiring defective Weight sensor defective MB defective	No actions	START RESET
EC3	Weight sensor fault		YES	Signal coming from sensor out of limits	Weight sensor defective Main board defective Wiring	No actions	START RESET
EC8	TY5 triac failure		YES	Incongruence between TY5 triac sensing and triac status	TY5 triac load device defective (motor fan/hot valve/water softener board) Wiring or main board defective	Safety Drain cycle activation Cycle blocked	RESET
EC9	TY5 triac sensing failure		YES	Wrong input signal to microprocessor	Main board defective	Safety Drain cycle activation Cycle blocked	RESET
EF1	Filter clogged warning		YES	Difficulties to drain. Virtual AB level remains in full state after an established time	Filter clogged or dirty Drain pipe clogged/kinked/too high	Warning displayed at the end of the cycle	START RESET
EF2	Foam warning		YES	Virtual AB level in full state during spin phase at the end of the washing phase	Excessive detergent dosing Drain filter dirty or clogged Drain pipe kinked or clogged	Alarm displayed after 5 attempts (if specific LED configured)	RESET
EF3	Aqua Control warning		YES	EWX14: Aqua control sensing signal high (in appliance equipped with safety device)	EWX14: Water on the basement Aqua Control defective	Drain pump activated	ON/OFF RESET
EF4	Water load low pressure		YES	Flow meter stooped with electro valves switched on	Tap closed/low pressure of incoming water	No actions	RESET
EF5	Load too unbalanced		YES	Final spin phase skipped due to a high load			

			Y	Motor sensing motor activation	Main motor belt broken Lid open	Cycle paused	RESET
EH1 (EB1)	Power supply frequency out of limits		YES	Power supply period lower/higher than configured values	Wrong or disturbed Power Supply line. Main board defective	Wait for nominal power supply conditions	OFF/ON
EH2 (EB2)	Power supply voltage too high		YES	MAIN_V sensing input voltage value greater than configured value	Wrong or disturbed Power Supply line. Main board defective	Wait for nominal power supply conditions	OFF/ON
EH3 (EB3)	Power supply voltage too low		YES	MAIN_V sensing input voltage value lower than configured value	Wrong or disturbed Power Supply line. Main board defective	Wait for nominal power supply conditions	OFF/ON
EHE (EBE)	FCV Relay failure		YES	Incongruence between safeties relay sensing and FCV relay status	FCV Relay defective FCV sensing circuit defective Wiring or main board defective	Safety Drain cycle activation, stop of the cycle with door opened	RESET
EC1	Electro valves blocked		YES	Flow meter running with electro valves switched OFF	Electro valves defective/blocked Main board defective	Cycle blocked Water drain up to anti-boil level or max. 5 minutes with door locked. When O.L. blocked drain pump ON/OFF for 5/5 minutes continuously	RESET
EC2	Weight sensor communication error		YES	Communication problem between Weight sensor and MB	Wiring defective Weight sensor defective MB defective	No actions	START RESET
EC3	Weight sensor fault		YES	Signal coming from sensor out of limits	Weight sensor defective Main board defective Wiring	No actions	START RESET
EC8	TY5 triac failure		YES	Incongruence between TY5 triac sensing and triac status	TY5 triac load device defective (motor fan/hot valve/water softener board) Wiring or main board defective	Safety Drain cycle activation Cycle blocked	RESET
EC9	TY5 triac sensing failure		YES	Wrong input signal to microprocessor	Main board defective	Safety Drain cycle activation Cycle blocked	RESET
EF1	Filter clogged warning		YES	Difficulties to drain. Virtual AB level remains in full state after an established time	Filter clogged or dirty Drain pipe clogged/kinked/too high	Warning displayed at the end of the cycle	START RESET
EF2	Foam warning		YES	Virtual AB level in full state during spin phase at the end of the washing phase	Excessive detergent dosing Drain filter dirty or clogged Drain pipe kinked or clogged	Alarm displayed after 5 attempts (if specific LED configured)	RESET
EF3	Aqua Control warning		YES	EWX14: Aqua control sensing signal high (in appliance equipped with safety device)	EWX14: Water on the basement Aqua Control defective	Drain pump activated	ON/OFF RESET
EF4	Water load low pressure		YES	Flow meter stooped with electro valves switched on	Tap closed/low pressure of incoming water	No actions	RESET
EF5	Load too unbalanced		YES	Final spin phase skipped due to a high unbalance load	Load unbalanced	No actions	START RESET
EF6	Safety reset		YES	MB microcontroller damaged	Main Board defective	No actions to be performed. If still present replace the Main Board	-

8 DIAGNOSTIC MODE

This mode is used in several conditions:

- In factory assembly line to perform a manual test of the machine functionality (final assembly test).
- By service people to check for faults and repair the machine.
- In the labs to check the right machine functionality.

ENTERING DIAGNOSTIC MODE

As described before, to enter in this mode the procedure is the following:

- Switch on the machine via On/Off button
- Turn the selector in the 1st position CW;
in case of Hi-Fi type selector, the 1st upper light of right side program LEDs switches on;
- Press and hold for about 3 seconds the defined key combination (START/PAUSE and the closest upper one simultaneously);
 - ♣ Within about 3 seconds the UI shall enter the diagnostic mode; the acknowledgement of the operation is given by all LEDs and groups of display icons switching on sequentially; otherwise, switch machine off and repeat sequence from the beginning.

Information
"DIAGNOSTIC mode"

- If the key combination is recognised within 10 seconds since the machine was switched on (via On/Off button), a DIAGNOSTIC mode is entered
- To exit from DIAGNOSTIC mode it's sufficient to switch off the machine.
- According to the machine configuration, at the next machine switching on the electric test cycle may be activated. To stop it, switch off again the machine.

