AKO DIEHL Controls

21.03.00; md

Description of the failures for the Gorenje Prologic fullelectronic washing machine:

display	LED	short description	description
F1	prewash	connection to temperature sensor open or short-circuited	The failure is set, if the connection to the temperature sensor is open or if there is a short circuit between the two terminals of the sensor. The washing program will be ended without heating. The failure will be displayed at the end of the washing program.
F2	wash	the water level was not reached. - water tap closed - leak in the machine - valve defect	The failure is set, if within an filling or heating step the water level is below level 1 for 4 minutes. If the filling step is shorter than 4', the failure will not be set. If the failure occured the first time within a washing program, the current step will be started again. If the the failure occured the second time, the washing program is stopped, and the failure will be displayed. To continue the washing program, the user has to press the „Start"-button. If the failure occured the third time, the washing program is stopped, the failure will be displayed, and it is not possible to start the washing program again.
F31	rinse	the connection to the tacho generator is open or short-circuited	The failure is set, if the washing program is active and the motor control unit gets no signal from the tacho generator. The washing program is stopped immediately and the failure is displayed.
F32	rinse	the triac or the IGBT is short-circuited	The failure is set, if the washing program is active and the motor is working without control of triac or IGBT. The washing program is stopped immediately and the failure is displayed.
F4	pumpstop	temperature not reached - heater defect	The failure is set, if after a heating step the temperature is more than 15°C lower than the rated temperature. The washing program will be ended normally. The failure will be displayed at the end of the washing program.

F41	pumpstop	the temperature is 7°C higher than the rated temperature - temperature sensor defect - heater relay stuck	The failure is set, if the washing program is active, and the temperature is 7°C higher than the maximum rated temperature of the related washing program. The washing program will be stopped immediately and the failure will be displayed.
F43	pumpstop	the temperature gradient is higher than about 9°C/minute - heating without water	The failure is set, if the temperature gradient within a heating step is higher than about 9°C/minute. In a time distance of one minute, the temperature is measured and the corresponding gradient related to the last measurement is calculated. If the failure happens, the washing program is stopped immediately and the failure will displayed.
F5	spin	the water level does not fall below level 1 - pump clogged - pump defect	The failure is set, if after a pumping step the water level did not fall below level 1. If the failure occurred the first time within a washing program, the current step will started again. If the failure occurred the second time, the washing program is stopped and the failure is displayed. To continue the washing program, the user has to press the „Start"-button. If the failure occurred the third time, the washing program is stopped and the failure is displayed. It is not possible to start the washing program again.
F61	pump	the tapped field relay does not switch	The failure is set, if at the end of the spinning cycle of the testing program 2 the spin is more than 100rpm lower than the rated speed. The failure is displayed after the end of the testing program.
F63	pump	no communication to the chopper unit	The failure is set, if there is no communication with the chopper unit for 10 transmissions. The washing program is stopped immediately and the failure is displayed.

On the display the user only can see the most critical failure. On the LEDs all failures are displayed !