





















































































































| Display CS Program | | Display Customer | | Description | Appliance behaviour | Results of internal check | Measures |
|---|---|---|---|---|---|--|---|
| Display | LED | Display | |  LED off  LED on  flashes fast  flashes slow | *) only for appliances with Zeolite drying system | | |
| |  Act.  Clean End  Sani |  |  | | | | |
| E:00 |   | | | No error | --- | | --- |
| h:00 – h:24 | | | | No error | Appliance does not start | Delay timer is activated! | No appliance fault! |
| All LED's are on | | | | Interface error | Appliance without function | Appliance must be disconnected from the power supply after flash process (main switch on/off is not adequate!) | |
|   LED's flashing | | | | | Stops in current position, Appliance without function | Communication error between the electronics | <ul style="list-style-type: none"> - Disconnect appliance from the power supply (unplug and plug in again) - Check D-bus plug-and-socket connections (3-pole wire) for electrical connection faults - Run Flash process again - Replace module |

| Display CS Program | | Display Customer | | Description | Appliance behaviour | Results of internal check | Measures | | |
|--------------------|---|--------------------|---|---|---|---|---|---|--|
| Display | LED | | Display | LED |  LED off  LED on  flashes fast  flashes slow | | | | |
| | Act. mm | Clean End SS | Sani P |  | | | |  | |
| E:01 |    | E:01 |  |  | Internal fault power module | *) only for appliances with Zeolite drying system | | | |
| E:02 | | E:02 |  |  | | → End of program | EI. Connection to pumps interrupted | Check wire / connectors (At pumps and power module) | |
| | | E:03 | E:03 |  | |  | Operates without heating | Voltage drops because of bad main connecting | Check connection of the main connecting at appliance back side and socket-outlet |
| | | | E:04 | E:04 | |  |  | Operates without zeolite drying system *) | Power module defect (internal pump control) |
| E:05 | | E:05 |  |  | | Operates without zeolite heater | Ground fault at water heater | Replace heatpump/heater | |
| E:06 | | E:06 |  |  | | Water switch is running continuously → program termination with draining | Heater relay defective | Replace the power module | |
| E:06 |    | E:06 |  |  | Door Hall sensor fault | Reserved | --- | | |
| | | | | | | Ground fault at zeolite heater | Replace zeolite heater | | |
| E:06 |    | E:06 |  |  | Door Hall sensor fault | Ground fault at water heater | Replace heatpump/heater | | |
| | | | | | | Safety relay heater defective | Replace the power module | | |
| E:06 |    | E:06 |  |  | Door Hall sensor fault | Triac for water switch motor defective | Replace the power module | | |
| | | | | | | Wire to the Hall sensor interrupted or power module defective | Check wire / plugs Measure voltage on the Hall sensor | | |
| E:06 |    | E:06 |  |  | Door Hall sensor fault | Hall sensor defective | → If voltage on the Hall sensor is o.k., replace Hall sensor | | |

| Display CS Program | | Display Customer | | Description | Appliance behaviour | Results of internal check | Measures | |
|--------------------|---|---|---|---|--|--|---|--|
| Display | LED | Display | LED |  LED off  LED on  flashes fast  flashes slow | *) only for appliances with Zeolite drying system | | | |
| |  Act.  Clean End  Sani |  |  | | | | | |
| E:07 |  | E:07 |  | Heating fault | Operates without zeolite drying system *) | Fan defective or blocked | Check components and connection wires, measure winding. | |
| E:08 | | | | | Operates without heater | Heat pump detects too low water level in the sump. | Heat exchanger valve leaking Bowls / pans overturned in the appliance? | |
| E:09 | | E:09 |  | | Heating circuit interrupted (resistance, supply wires, contacts of the safety relay on power module) | Measure heater resistance Check wires | | |
| E:10 | | E:10 |  | | Operates without zeolite drying system *) | Zeolite heater heating circuit interrupted (resistance / supply wires) Wires interrupted/broken | Measure heater resistance Check wires Check wires | |
| E:11 | | E:11 |  | | Operates without heater | NTC resistance values outside permitted range Wire or plug interrupted | Measure NTCs Check wires / plugs | |
| E:12 | | E:12 |  | | | Reserved | --- | |
| E:13 | | | | | | Operates without heater | Water temperature too high (>83 °C) | Protective measure – no appliance fault! Check temperature of water supply |

| Display CS Program | | Display Customer | | Description | Appliance behaviour | Results of internal check | Measures | | |
|--------------------|---|---|---|---|---|---|---|---|--|
| Display | LED | Display | LED |  LED off  LED on  flashes fast  flashes slow | *) only for appliances with Zeolite drying system | | | | |
| | Act.  Clean  End  Sani  |  |  | | | | | | |
| E:14 |    | E:14 | ● | ● | Filling fault | Program stops with draining | No impulses from flow sensor, although water is detected by heat pump | Check wires, test flow sensor (reed switch) | |
| E:15 | | E:15 |  |  | | Program stops with intermittent pumping | Safety switch in base activated. Appliance cannot be switched off | - Identify reasons for water in the base and rectify - if there is no water in base, check wires / plugs (eg. bent plug contact) | |
| E:16 | | E:16 | |  | | Program stops with draining | Water supply (impulses from flow sensor) without activation of the fill valve | Check filli valve Check actuation of fill valve | |
| E:17 | | E:17 | |  | | Wait for supply; program stops with draining | Water supply rate too high | Check flow controller in the fill valve | |
| E:18 | | | ● | ● | | Dispenser fault | → End of program | Dispenser defective Wires interrupted/broken | Check component Check wires |
| E:19 | | | E:19 | | |  | → End of program | Resistance values of Circulating pump wrong | Check wires / plugs Measure resistance values of windings |
| E:20 |   | E:20 | |  | Circulation pump fault | → End of program | Circulating pump blocked | Check Circulating pump for foreign objects, if required replace | |
| E:21 | | E:21 | |  | | → End of program | | | |

| Display CS Program | | Display Customer | | Description | Appliance behaviour | Results of internal check | Measures | |
|--------------------|---|---|---|---|---|---|--|--|
| Display | LED | Display | LED |  LED off  LED on  flashes fast  flashes slow | *) only for appliances with Zeolite drying system | | | |
| | Act.  Clean  End  Sani  |  |  | | | | | |
| E:22 |  | E:22 | ● | ● | Drain pump fault | → End of program | Residual water in the sump, because of dirty filters | Clean filters |
| E:23 | | E:23 | |  | | → End of program | Resistance values of drain pump wrong | Check wires / plugs Measure resistance values of windings |
| E:24 | | E:24 | ● | ● | | → End of program | Non-return valve letting by | Check non-return valve, ensure correct closing |
| | | | | | | → End of program | Draining not possible | Check water drainage (hose kinked, blocked, delivery height, pump cover) |
| | | | | | | → End of program | Drain pump cover in sump is missing / loose | Attach drain pump cover |
| E:25 | E:25 | ● | ● | → End of program | Drain pump blocked | Check drain pump for foreign objects | | |
| | | | | | → End of program | Drain pump cover in sump is missing / loose | Attach drain pump cover | |
| E:26 |  | | | | 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 |
| E:27 |  | E:27 | | ● | Undervoltage fault | → End of program | Continuous low mains voltage (<170 V) | No appliance fault! |
| E:28 | | | | | AquaSensor fault | Operates without AquaSensor | Appliance without AquaSensor | Is appliance equipped with AquaSensor? |
| | | | | | | | Calibration of AquaSensor not successful | Check wires AquaSensor dirty? |

| Display CS Program | | Display Customer | | Description | Appliance behaviour | Results of internal check | Measures |
|--------------------|---|---|---|---|--|--------------------------------|---|
| Display | LED | Display | LED |  LED off  LED on  flashes fast  flashes slow | *) only for appliances with Zeolite drying system | | |
| | Act.  Clean  End  Sani  |  |  | | | | |
| E:29 | | | | Under / over voltage error | Stops in current position, appliance without function, Malfunctions, unsatisfactory rinsing / drying result Cycle duration increase | Low mains voltage (<170V) | No appliance fault! |
| E:30 | | | | | Appliance switches off | Overvoltage (>290 V) | No appliance fault! |
| E:31 | | E:31 |  | Water sensor in zeolite heater shows fault | Operates without heater *) | Water in the zeolite container | Exchange the zeolite heater and zeolite container - too much foam in the appliance? - appliance overfilled? (Inlet valve / Aqua stop letting by, appliance tilted backwards, ..) |
| | | | | | | Water sensor dirty | Exchange the zeolite heater |
| E:32 | | | | Internal error code | | Reserved | Not relevant to customer service |
| | | | | | | | |