

D24W/D30W Water Heater

Fault Codes

For Heater Models





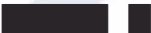





D24W

25 1869 01 00 00
25 1870 01 00 00 (NP)
25 1869 05 00 00 (C)
25 1870 05 00 00 (C) (NP)

D30W

25 1871 01 00 00
25 1872 01 00 00 (NP)
25 1871 05 00 00 (C)
25 1872 05 00 00 (C) (NP)

(C) - Compact
(NP)-Nozzle Preheat

Fault Code	Fault description	Indication	Remedy
		Fault signal/flashing code	
000	No fault		_____
001	Pre-heating, overvoltage		Check control unit. Charge battery
002	Pre-heating, under voltage		Charge battery.
010	Overvoltage switch-off		Check control unit. Check battery charge. Connect heater directly to the battery.
011	Under voltage switch-off		Charge battery, Check control unit. Check cross sections of power leads.
012	Overheating		Check electric lines, connections and function of safety thermal cutout fuse and relay burner display; check water flow; check water pump and if necessary replace; check leads and connections to fuel solenoid.
025	Short circuit at diagnostic output	No flashing code	Check diagnosis lead Check connection to control unit.
032 033	Burner motor		Check combustion air fan. Replace if necessary. Check motor and connections to motor-power consumption approx.140W, speed 3000-3250 rpm. Check connections to control unit.
047	Short circuit at fuel solenoid valve or relay coil at burner		Check electrical lines and connections to control unit. Check solenoid valve and burner relay.
051	Photoresistor defect		Check flame monitor-bright <30kΩ, dark >100kΩ Clean photoresistor or replace.
052	Failure to start/safety time expired		No flame was detected during the start up phase . Check the fuel supply & wiring to solenoid Check exhaust & combustion air piping. Check and if necessary replace ignition spark generator and relay for ignition generator; check and if necessary replace ignition electrodes; clean photoresistor. continued....



Fault Code	Fault description	Indication	Remedy
		Fault signal/flashing code	
053	Flame goes out during operation/ Too many repeated starts	■ ■	Heater has started (flame detected) and indicates flame loss in power setting. Check fuel flow rate, blower speed (3000-3650rpm), fuel supply, exhaust pipe and combustion air piping. If combustion is O.K, check photoresistor, replace if necessary.
059	Water temperature rises too quickly	■ ■ ■ ■ ■ ■	Check water circulation and temperature control sensor. Check water pump
060	Interruption in temperature sensor	■ ■ ■■■■	Measured temperature lies outside measuring range. Check sensor. Check connections to temperature probe, connections to control unit, check plug type connections at relay. Test values-20°C=2000Ω, 65°C=2700Ω
061	Short circuit in temperature sensor		
064	Interruption in flame sensor	No flashing code	Measured temperature lies outside measuring range. Check sensor. Check connections to control unit
065	Short circuit in temperature sensor		
090 092 093 094 095 096	Control unit faulty	■■■■ ■■■■	Replace control unit
097	Control unit defect or cable harness fault	■■■■ ■■■■	Check and if necessary replace control unit. Check cable harness.
091	External interference voltage	■ ■■■■ ■ ■	Check voltage supply. Check connection to control unit

