

---

## Function description

---

## Thermo 90 S / Thermo 90 ST

---

### Diagnosis after fault lock-out Thermo 90 S and Thermo 90 ST

Check the fuses and plug connectors.

#### Version with digital timer

If the system is equipped with a standard clock, a fault message appears on the display of the digital timer after a fault occurs:

F 01	No start (after 2 attempts to start)
F 02	Flame failure
F 03	Undervoltage or overvoltage
F 04	Premature flame recognition
F 05	Flame monitor interrupt or flame monitor short circuit
F 06	Temperature sensor interrupt or temperature sensor short circuit
F 07	Metering pump interrupt or metering pump short circuit
F 08	Fan motor interrupt or fan motor short circuit or fan motor incorrect speed
F 09	Glow plug interrupt or glow plug short circuit
F 10	Overheating
F 11	Circulating pump interrupt or circulating pump short circuit

#### Version with switch

If the system is operated with a switch, the nature of the fault is indicated by a flashing code on an operating indicator light during the run-on time of the heater.

After five short signals, count the long flashes:

1x	No start (after 2 attempts to start)
2x	Flame failure
3x	Undervoltage or overvoltage
4x	Premature flame recognition
5x	Flame monitor interrupt or flame monitor short circuit
6x	Temperature sensor interrupt or temperature sensor short circuit
7x	Metering pump interrupt or metering pump short circuit
8x	Fan motor interrupt or fan motor short circuit or fan motor incorrect speed
9x	Glow plug interrupt or glow plug short circuit
10x	Overheating
11x	Circulating pump interrupt or circulating pump short circuit