

Truckfridge Self Diagnostics Procedure for TF49, TF65, TF130

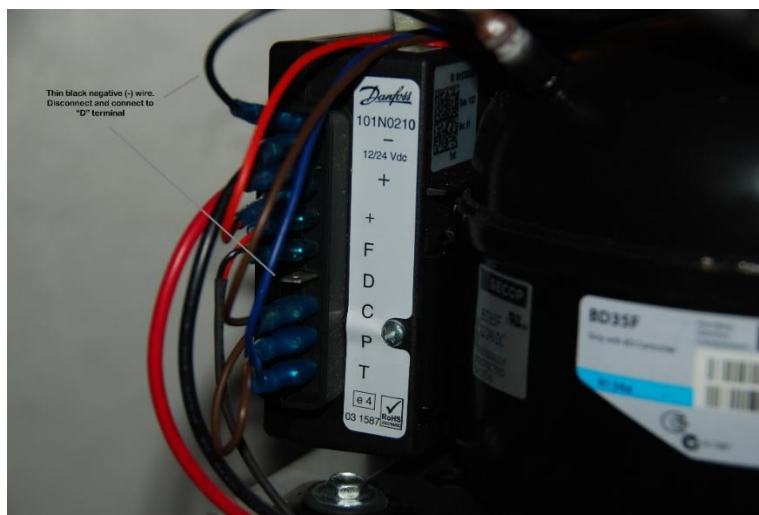
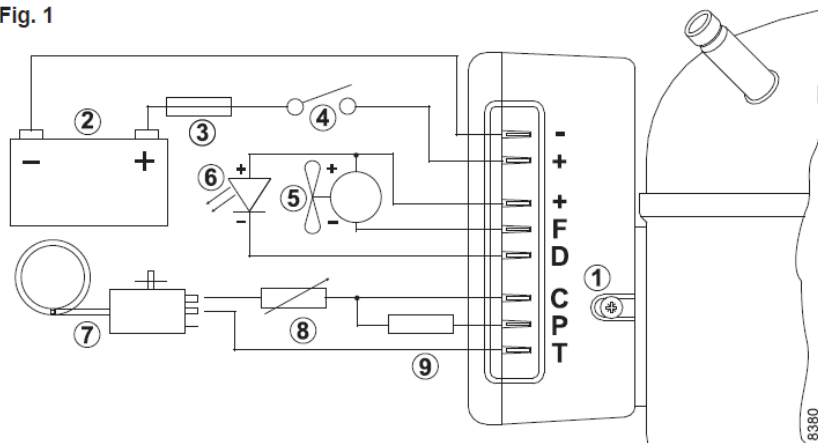
LED (optional, Fig. 1)

A 10mA light emitting diode (LED) (6) can be connected between the terminals + and D. In case the electronic unit records an operational error, the diode will flash a number of times. The number of flashes depends on what kind of operational error was recorded. Each flash will last ¼ second. After the actual number of flashes there will be a delay with no flashes, so that the sequence for each error recording is repeated every 4 seconds.

Diagnostic Procedure

1. Disconnect thin black wire from terminal marked (-).
2. Reconnect to terminal marked (D).
3. Observe the number of flashes of the interior LED light bulb.
4. Refer to **Error Code Summary Table** for error code description.
5. Reconnect thin black wire to terminal marked (-).

Fig. 1



Error Code Summary Table

No. of flashes	Error Type
5	Thermal cut-out of electronic unit (If the refrigeration system has been too heavily loaded, or if the ambient temperature is high, the electronic unit will run too hot).
4	Minimum motor speed error (If the refrigeration system is too heavily loaded, the motor cannot maintain minimum speed 1,850 rpm).
3	Motor start error (The rotor is blocked or the differential pressure in the refrigeration system is too high (>5 bar)).
2	Fan over-current cut-out (The fan loads the electronic unit with more than 1A peak).
1	Battery protection cut-out (The voltage is outside the cut-out setting).