

IDENTIFYING THE FLASHES ON THE ERROR LIGHT



WAECO USA has detailed the Danfoss compressor quick guide below. **The number of flashes depends on what type of operational error was recorded.**

After the actual number of flashes, there will be a delay with no flashes.

Once you have counted the **red flashes**, use the guide below to diagnosis the problem.

ONE FLASH may be caused by:

- Insufficient cable size
- Too many connections
- Poor connections
- Unit is not receiving direct circuit from battery
- Battery protection cut-out: If the light on your CF Series unit flashes once every 5 seconds, it is indicating that you have a voltage drop problem. One reason is that the wiring in your car may be inadequate to carry the needed amount of volts to the unit. To test, plug the unit into a suitable AC adapter. If the fridge operates properly, you can eliminate the problem with the CF Series unit. Next check the car wiring configuration or plug connections.

WAECO USA recommends car, rv, truck wiring to be a minimum of 6–8mm cross section wire for up to 4 meters. Above this length, the wiring would need an extra millimeter for every meter.

If the unit does not work on the proper WAECO USA AC adapter, additional trouble-shooting is required. Contact WAECO USA if this occurs.

TWO FLASHES may be caused by:

Fan over the current cutout: If the fan circuit in the control module has a load in excess of 0.5 amps, the system will fail. Fan may be jammed or burnt-out, will need to be replaced.



THREE FLASHES may be caused by:

Motor start error: If the error light is flashing 3 times every 5 seconds, the motor may be blocked or the differential pressure in the refrigeration system is too high. Turn the unit off at the supply, let rest for 15 minutes to reset the electronic module. After 15 minutes, turn the unit back on. If the unit is still flashing with the same error, it is possible that the electronic module is at fault and will need to be replaced.

FOUR FLASHES may be caused by:

Minimum Motor Speed: This failure occurs if the compressor is running slower than 1850 rpm. Please contact WAECO USA's Technical Assistance department, for a location of an Authorized Repair Center. The unit will need to be repaired at one of these locations.

FIVE FLASHES may be caused by:

Thermal cutout of electronic unit: If the error light is flashing every 5 seconds, the refrigeration system has been too heavily loaded, or if the surrounding temperature is high—it is forcing the electronics to run too hot. This overheating is typically caused by not allowing enough ventilation around the side vents of the unit.

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