Failures

Failures or lock-outs turn the unit off.
These are indicated by the red LED on the board and by means of the thermostat. A relay on the board is also activated. If no failure is present, this LED remains off permanently.
When a failure occurs, this LED flashes in two sequences. The first indicates the affected compressor: One flash for stage 1, two flashes for stage 2, 4 flashes for stage 3 and four flashes for accessories, followed by a short pause. Then the type of incident is indicated, followed by another short pause. Then the incident detected is indicated, followed by a long pause, and the sequence is repeated.
In the case of more than one incident, only the one with the highest priority and not reset will be indicated.
The last 9 failures should be saved in the non-volatile memory. Before saving the failure in the memory, a check will be run to make sure the previously saved failure is different. If both are the same, nothing will be saved.
The following table shows possible failures:

Resetting

Incidents, with certain exceptions, do not require resetting. They reset once the cause disappears.
The following incidents require resetting, and are reset in the same way at the alarms:
- Inhibited accessory.
- Repeated defrosts (also resets if a defrost is terminated in a normal way).
- Electric heating heat switch.

Alarms can be reset as follows:
- By setting the thermostat to the OFF mode, if communication with the thermostat has been implemented.
- By pressing the test button on the electronic board.
- By disconnecting and reconnecting power supply to the electronic board.
- By means of the communication bus.

We must point out that resetting the board by setting the thermostat to OFF cannot be done more than 3 times (AVR-NOREAR-MES) a day.

Table of failures

Flashes		Meaning
1, 2 or 3	1	Discharge temperature exceeded
	2	High pressure switch, outdoor fan heat switch or compressor module heat switch
	3	Low pressure switch
	4	Indoor fan heat switch
	5	Repeated start ups in cool or suction temperature at -25° C
4	1	Failure of gas control 1 or heater 1
	2	Failure of gas control 2 or heater 2
	3	Stage failure of heater 3
	4	Stage failure of heater 4
	5	Failure of economiser or HW coil (impulse, outdoor, return, water probe)
	6	Detection of smoke or high temperature, accessories. Impulse temperature over 80° C.