

HiPro Controller Selfdiagnosis & RedDot Remote Reset

1. Selfdiagnosis Results

When Mains is connectet to the minibar (hardware-reset), the software in the controller runs a selfdiagnosis routine which tests the temperature senors (NTCs) connected to the controller. The result of the selfdiagnosis is shown through the interior light and the RedDot-Led, if attached. Regarding to the result, the interior light is blinking 1 to 5 times representing code 1 to 5.

Please refer to the following table for meaning of the codes 1 to 5:

Descriptoin	Code
General error, no mains voltage	N = 0
Diagnosis O.K.	N = 1
Diagnosis O.K./ Poti detected	N = 2
Error NTC- Sensor Air	N = 3
Error NTC- Sensor Evaporator	N = 4
Error NTC- Sensor Air & Evaporator	N = 5
internal Software error EEPROM-Checksum	N = 6 .. 10

If an error is detected (N>2), the heating element will not be switched on and the interior light and the RedDot-Led – if attached – will start to blink permanantly with a frequency of 4 Hz (means 4 times per second).

2. CUC – Cooling Unit Check

After every defrost period, a performance test is made to detect the correct function of the cooling unit. If a malfunction is detected (e.g. leakage or unleveld minibar > 1,5°), the controller goes into leakage error mode and switches off the heating element for security reasons. This mode will be signalized also indicated through a permanent blinking of the interior light with a frequenz of 8Hz (8 times per second). This mode will remain even after a hardwere reset and is independant from the selfdiagnosis results.

3. User Operation

For recognizing the status of the door and for receiving User Commands from the remote unit, the minibar has an IR trx device, which is located inside the minibar above the door. The following table shows the possible user operations and the corresponding confirmations, which are shown through the interior light:

User Operation	Confirmation
Red-Dot reset	Red-Dot Led switched off
Temp. preset 3°C / 37,5°F	int. light blinks 3 times
Temp. preset 5°C / 41°F	int. light blinks 5 times
Leakage error reset	8Hz blinking of int. light ends