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## Abstract

Due to the fast recycling time of the BX-Ri & BRX units, users might overload the doubler capacitors of the unit by flashing intensively at high repetitive rates.

To prevent the overheating of the doubler capacitors, we have been adding the monitoring of the temperature on one doubler (Power Control board version 03, 50.0041.03).

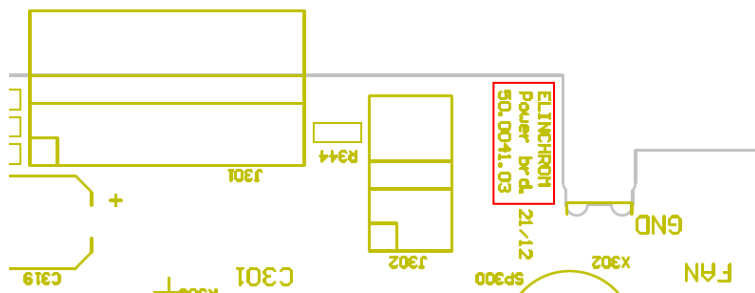
We now we are able extend the life time of the doublers by introducing **a new type of polarized capacitor** that are better suited for frequently charging / discharging. These new capacitors will be introduced in the series as soon as possible.

## Improved Power board version 03 (with temperature monitoring)

Starting from the serial No. below, the version 03 of the board 50.0041 has been introduced:

- BRX 250 No 1202044000983
- BRX 500 No 1202044104996
- Master RX No 1202045800001

To recognize see the board marking



This version 03 of the board is provided as spare part (fully compatible with previous version).

Note: This board is not delivered right now with the new special doubler capacitors as below. It will be introduced as soon as possible.

## Special doubler capacitors for intensive flashing

If you have to repair a board with one of the damaged doubler capacitor (bumped or electrolyte leakage), you can order now the new code No. 104.209 (220 $\mu$ F – 400VDC, 105°C, size 25.4 x 35 mm).

We recommend to replace all the 4 capacitors at locations C301, C302, C303, C304. Mostly C301 or C302 are failing (C303 & C304 are used only for 115V – 60Hz mains).

Refer to the instruction how to replace carefully the snap in capacitors without damaging the tracks of the printed board.

## How to proceed for repairing and in case of warranty

According our warranty conditions we replace the capacitors free of charge or the whole board.

If the overload of one doubler is obvious (bumped or electrolyte leakage), we replace the 4 doubler capacitors free of charge.