

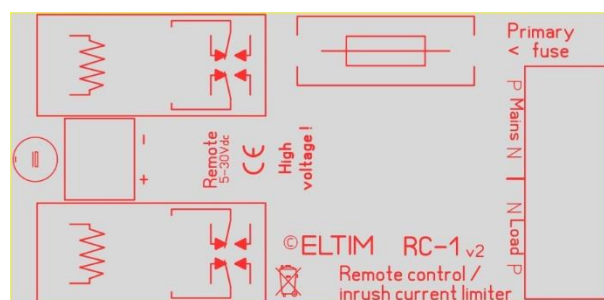
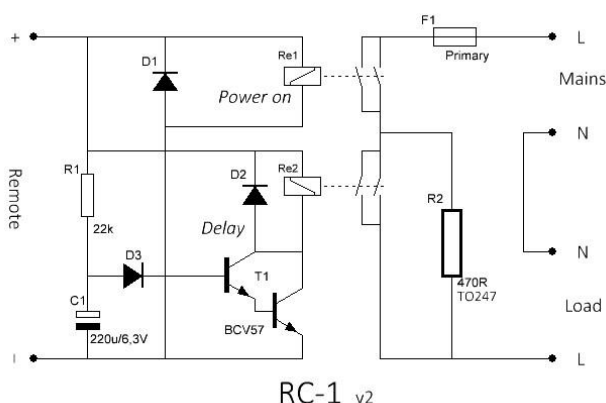
With the [ELTIM RC-1 Remote Control unit](#) we make it possible to activate significant Power Supplies by an external DC signal. It can be activated with a Vdc. While doing so, you can f.e. use the supply of your preamplifier (as we do ourself) to activate your (Monoblocks?) power amplifier.

Especially large transformers (>250VA) show significant “[inrush currents](#)” way over 10A in the first second after power-up. With large ones sometimes even the 16A main fuse blows due to this effect. At the same time there is also a huge charge current flowing into the supply capacitors at start-up. Both together are very demanding for the main power switch, electronics and mains supply and in lots of cases they are overloaded for a short period of time. Sometimes the on/of switch fails over time due to this repeated overload.

Besides the remote control function, this RC-1 module prevents this large current at first seconds after start up. This ELTIM RC-1 can handle up to 2000VA / 10A loads.

- At activation a first (Re1) relay comes in immediately and feeding the connected power supply via a 470ohm/100W TO247 resistor. This is cooled sufficiently by the heat conducting FR4+ (2x 35um) PCB.
- Due to this series resistance the start current will be <2A at very first moment and decreasing fast after that as the supply capacitors get charged.
- Due to this series resistance the sometimes high transformer inrush current (toroidals!) is also limited.
- After about one second relay Re2 comes in, shortcutting this power resistor and connecting the power supply directly to the mains power.
- An integrated primary fuse (10A max) protects your connected device if something really goes wrong in it.

On purpose we use double (2x8A) contact relays. One contact will always close a bit earlier than the other. This contact will become a bit polluted by sparking over time. The other one shortly after will parallel it without any sparks and stays clean at all time. This results in the least and most constant resistance, the more because we only use [high quality and new](#) EU/UK/USA-made parts and PCB as in all our designs.



The size is only 78 x 38 x 20mm.

So, it even fits landscape mounted at a flank or back panel of a 40mm high MODU cabinet.

In portrait it fits in 80mm MODU cabinets.

Both M3 holes are 35mm separated, fitting the slides in the flanks of 80mm Galaxy/Slimline.

While doing so, you don't need to drill holes.



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