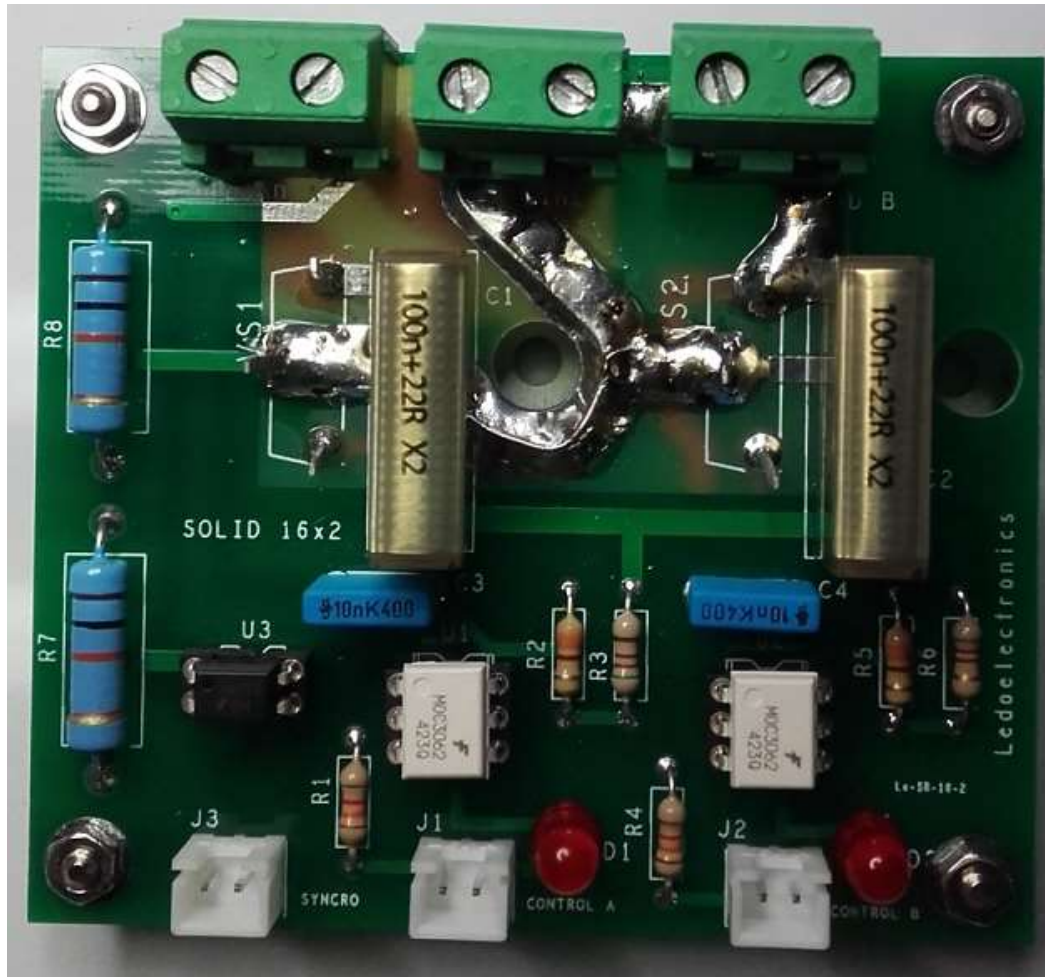
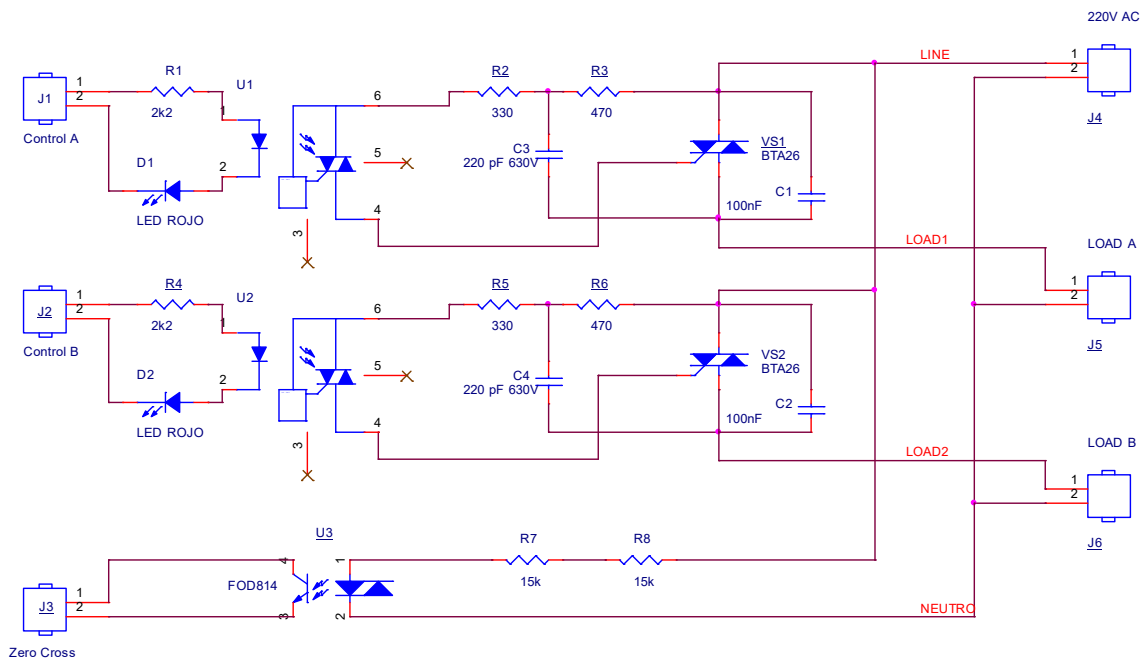
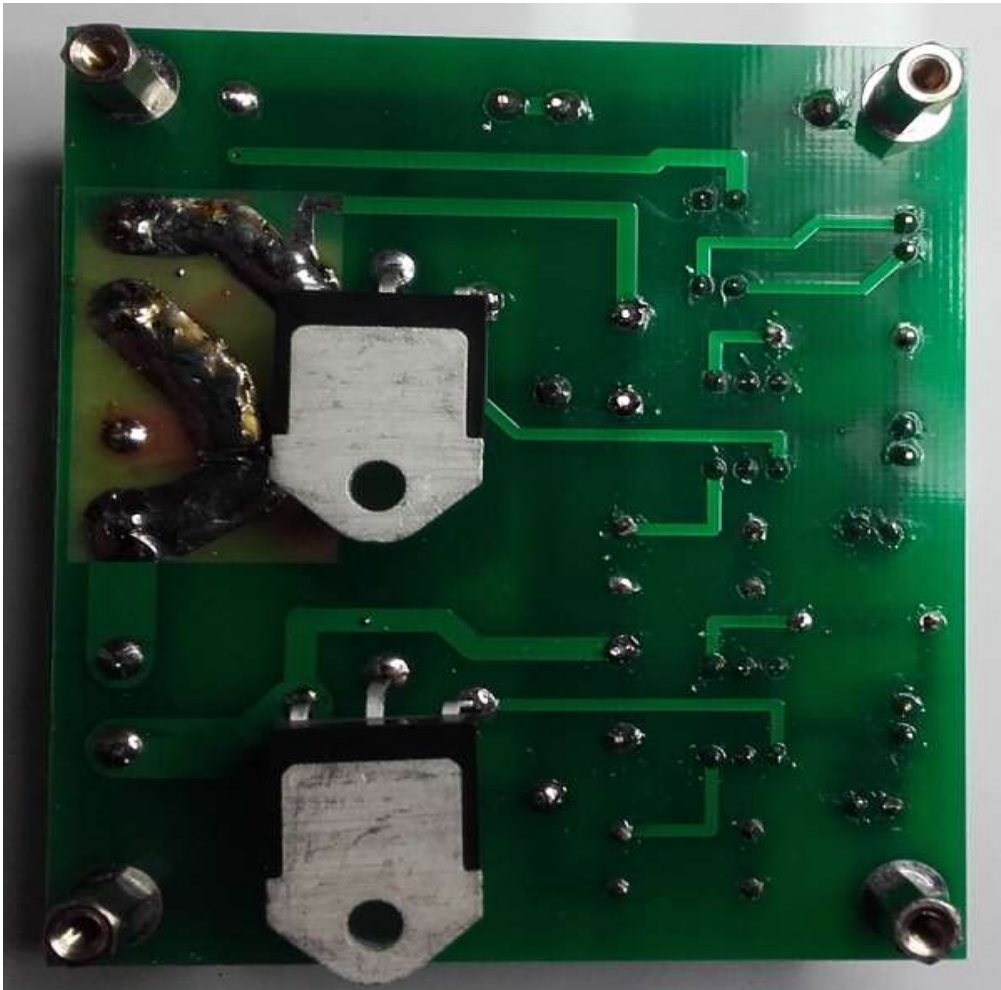


400V AC 16A SOLID STATE RELE

Le-SR16-2R/Z



- Allows to drive two loads of alternating current (Motor, Fan, Lamp, Heater, etc.) from any system based on PLC or microcontroller
- Control signal isolated by optocoupler
- Switching on zero crossing (Le-SR-16-2Z) or Random (Le-SR-16-2R)
- Isolated signal of zero crossing of the network, to facilitate control by phase
- Works with loads of 110V / 220V / 400V AC.
- Current of up to 16 A in continuous mode. Up to 25A in intermittent regime
- Triacs of 25A 800V with insulated body to screw in panel or heatsink
- LED indicating the status of the load
- 80 mm x 70 mm.



The value of R1 and R4 must match the control voltage.

Each of the two channels of the module can be configured to work with zero-pass switching of the network, which decreases the generated noise, or with Random switching, which allows the regulation by delay of the Triacs ignition in each half-period (dimming) . To do this you just have to place the appropriate chip in the socket of U1.

To synchronize with the network, the signal present in connector J3 is used. Pin 1 of J3 must be brought to the supply voltage of the microcontroller by means of a pullup resistor that must be less than 10 kOhm. Pin 2 of J3 is connected to the negative (GND) of the power supply of the microcontroller.

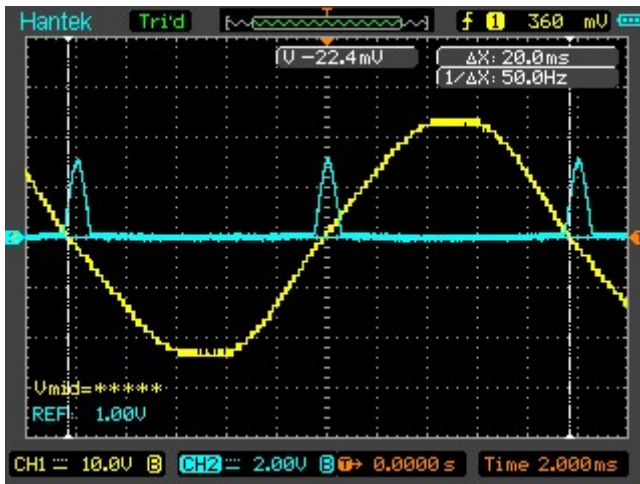


Fig.1. Zero cross signal for synchronism in the regulation by phase.

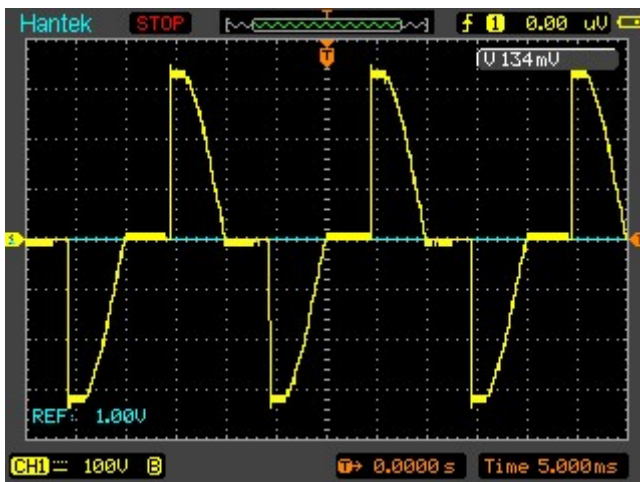


Fig.2. Power in the load for a delay angle close to 90°.

