

Quasar Electronics Limited

RELAY HELP

You will find relay outputs in many of the kits that we sell. A relay is simply an electrically operated on/off switch. It is important that you observe the relay voltage and current limitations specified in the kit documentation.

Relay Terminals

The three terminals on our relay outputs are:

C = Common

NO = Normally Open (i.e. switch is open when relay is not energised)

NC = Normally Closed

Look at the kit circuit schematic for help.

Connecting the Device you want to Control

You must provide an external power source to the device you want to control. No voltage is present at the relay terminals (remember it is just a switch).

You connect the relay in *series* with the positive (+) power wire of the device you want to control.

So the positive wire from the power source should be connected to Common. Then either the NO or NC terminal (as appropriate for your purpose) is connected to the positive (+) wire going to the device you want to control. The negative (-) wire does not connect to the relay at all. It goes directly from the power source to the device negative (-) terminal.

Warning!

Mains power can KILL and must therefore be treated with extreme CAUTION! The construction, testing and use of kits with mains voltages should only be attempted by competent persons or under supervision of someone fully experienced in this field. Kits must be fitted into a suitable fully enclosed box before operating. We strongly recommend that, where available, you also order the box designed for the kit so that you can finish your project to both a safe and professional-looking standard. We accept no responsibility for injury, loss, or damage of any kind as a result of the purchase, assembly or use of any of our products.