

Universal Relay

Connection diagram for universal 12 or 24 V DC entry relay

The relay may be powered by 12 to 24 volts DC and triggered by 5 to 30 volts either AC or DC . The trigger circuit is optically isolated enabling different voltages to power and trigger if required (for example: 12 volt power with 24 volt trigger)

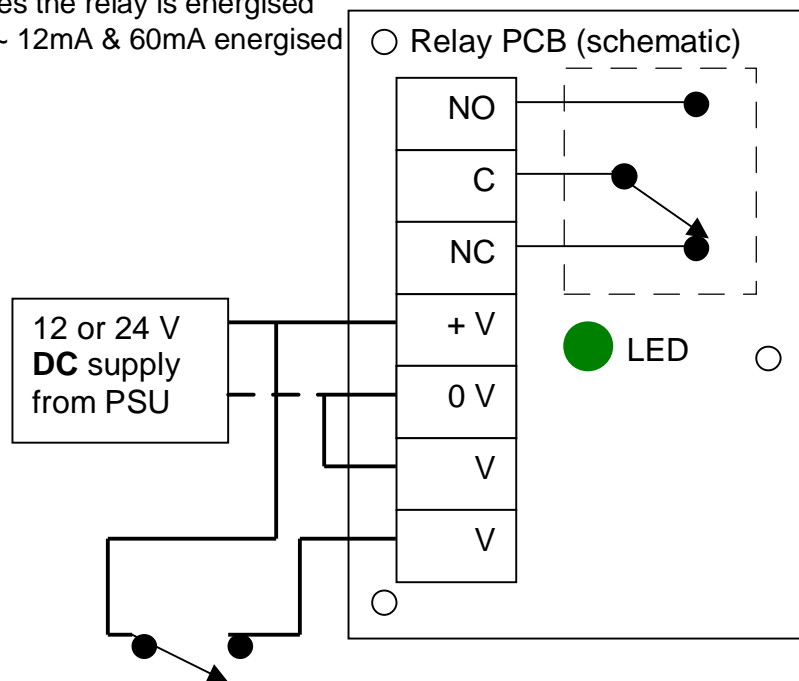
Features

- Relay power **12 – 24 volts DC**
- Trigger voltage **5 – 30 volts AC or DC**
- Trigger & supply optically isolated enable different switching voltage
- 10 amp load on contacts (made)
- Green LED indicates the relay is energised
- Low current drain ~ 12mA & 60mA energised

Two example connections

The first (right) shows the relay being powered & triggered by the same voltage source

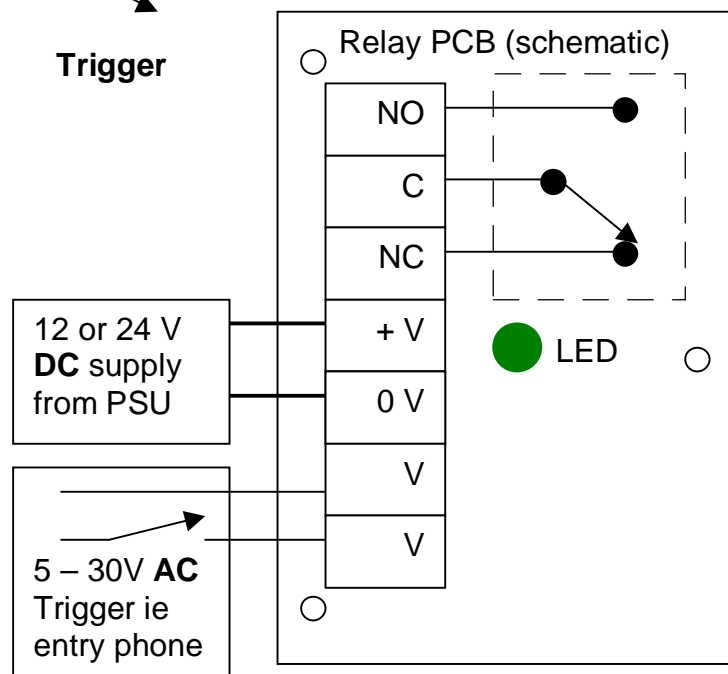
The second (lower right) shows the relay being powered by one source and triggered by a different source. For example DC to power the relay & an AC trigger connected to V & V such as used by an entry phone



Trigger

Connections

- NO** Normally open
- C** Common
- NC** Normally closed
- + V** relay supply + VE
- 0V** relay supply 0V
- V** trigger (AC or DC)
- V** trigger (AC or DC)



WARNING THIS IS A LOW VOLTAGE DEVICE

Maximum voltage across relay contacts (C NO & NC) 40 V DC - IAW LVD regulations.