

CEM 1017 FLIP-FLOP RELAY PCB ISS-1

This PCB changes the state of the relay by the ACTION of a SINGLE PUSH button (voltage free contacts).

The power supply input to the unit is via 12V A/C transformer at about 300mA rating. It can also be operated from a 12V - 15V DC supply at about 200mA.

P1 is the 12V A/C input and P2 is the 12V - 15V DC input. Observe polarity here on P2

P3 is the trigger input and must be operated from voltage free contacts, a push button or the relay. The push button is normally open contact. (not supplied)
This input point has to be a voltage free source. (relay contact or push button)

P4 is the remote LED indicator output. The LED Anode is connected to the + input (long leg) and the cathode (K) is connected to the - input (short leg).

This is for remote observation of the relay. (RED LED OPTIONAL)

P5 is the relay output, and the normal contacts are provided.

The pcb has 4 mounting holes on a 60mm x 41mm centers.
The pcb size is 80mm x 50mm

F1 is provided with a 5x20mm fuse holder and rated at 3 Amps

Toggling the TRIG input will change the state of the relay.

D8 is the on board LED relay indicator. (LED on = relay on)

Although the relay contacts are rated at 10 Amps, a fuse holder is provided with a 3 amp rated fuse.

Should the input to the TRIG require long wires, a 2 core plus screened cable is needed, and the screen is connected to DC negative terminal.

PLEASE NOTE R4 AND C4A ARE NOT FITTED.

RELAY CONTACTS:

COM = COMMON
NO = NORMALLY OPEN
NC = NORMALLY CLOSED

