

Large Current Relay Driver

This is a large current Relay module with single pole double throw switch which provides normally closed and normally open operations. The Relay is the most common used module in application such as home automation, industrial automation, and machine on/off. Sometimes you need to control large current such as the fans, lights, water heaters, room heaters, Air-conditioning, vacuum pumps That is what this Large Current Relay Module can be helpful to drive such high current load with just TTL signal. Easy interface with embedded systems and micro-controllers.

Features

- Supply 12V DC
- Current 190mA
- Trigger Supply 3 to 8V DC
- Optically isolated input for safety and noise immunity
- 7 Pin Header for Inputs and 5V DC output
- 3 Pin screw Terminals for Relay output
- Relay with 3 Pin Lugs for 3.2MM X 4 Mountings holes
- High Quality Double side PTH PCB
- On Board LED for power
- Onboard LED for Relay operations
- Onboard 5V DC regulator for external circuits

1	1	CN1	RELAY OUT
2	1	CN2	7 PIN HEADER
3	1	CP	10uF/16V 1210B
4	2	C1,CP	0.1uF 1206
5	1	D1	M4007 SMD
6	2	D2,D3	RED LED 1206
7	1	JMP	CLOSER
8	1	Q1	BC817
9	1	RE1	12V RELAY
10	2	R1,R3	1K 1206
11	2	R2,R5	4K7 1206
12	1	R4	330E 1206
13	1	U1	LM7805 DPACK
14	1	U2	PC817

