

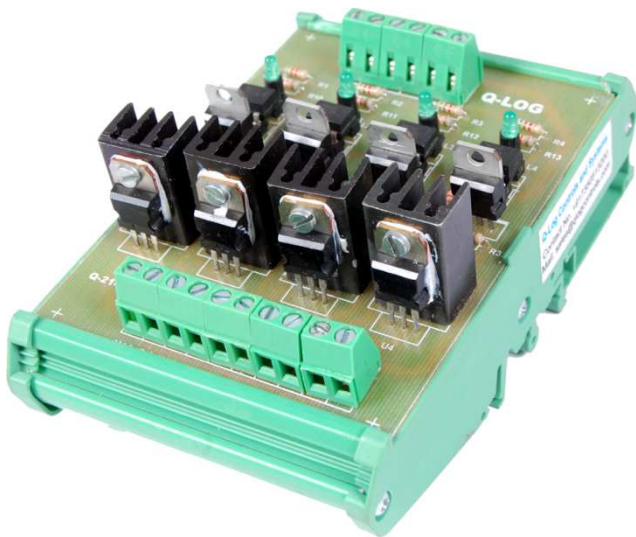
DC Solid State Relay Board Technical Information

DC Solid State Relay Board: This is a opto-Transistor with optical isolation between input signal and output signal. This is to be used for switching 24V-35VDC supply by 5V-230 VDC input signal.

Features

- DIN rail mountable
- Eight/Four phototransistors on a single board
- LED indication for input signal
- LED indication for output point
- Short circuit and overcurrent protection for every point
- Built in free wheeling diode across driving load for every individual output point

Product Picture:



Technical specifications:

Input signal voltage: 20 VDC-28VDC, Typical voltage is 24VDC

Max. input current: 20 mA @ 24VDC

Max. output voltage: 35 VDC

Min. output voltage: 24 VDC

Max. load per output point: 1.5 Amp

Peak non repetitive surge current: 8 Amps

Input to output electrical isolation: 3.55 KV

Max. Voltage drop in output voltage: 2.5 V @ 1.5 Amp load

Switching delay Off to ON and ON to OFF: 30 microseconds

Load type: Resistive and Inductive

Size: 80x126 (4 points), 180x126 (8 points)

Applications:

- a) For switching contactors from PLC outputs.
- b) For switching DC loads like solenoid valves, DC actuators, DC Lamps, DC electromagnets in industrial use directly from controller outputs.
- c) In all applications where we need very fast switching and require isolation between driver and driven circuits. The load can be inductive or resistive.

Solid State Relay Board Vs Relay Board Comparison:

Sr.No	Solid State Relay Board	Relay Board
1	Switching time 30micro Sec	Switch ON time 18mS and Switch OFF time 18 ms
2	No limitation on number of operations at 3 Amp load	300,000 operations is limit at 2A/230 V load
3	Max. load 1.5 A per point	Max. load 2A per point
4	To be used for DC switching	Can be used for AC/DC switching
5	Short circuit & overload protection for every point	No protection

Available in 8 points and 4 points variants.

Solid State Relay boards with input signal other than 24VDC can be supplied on demand.

Caution :DO NOT USE SSR BOARD FOR SWITCHING AC SUPPLY !

Standards/Approvals:

- PCB:IEC 61373
- Optoisolator/transistor:UL/VDE
- Connectors:CE
- Profile and end plates:UL

Manufactured by:

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