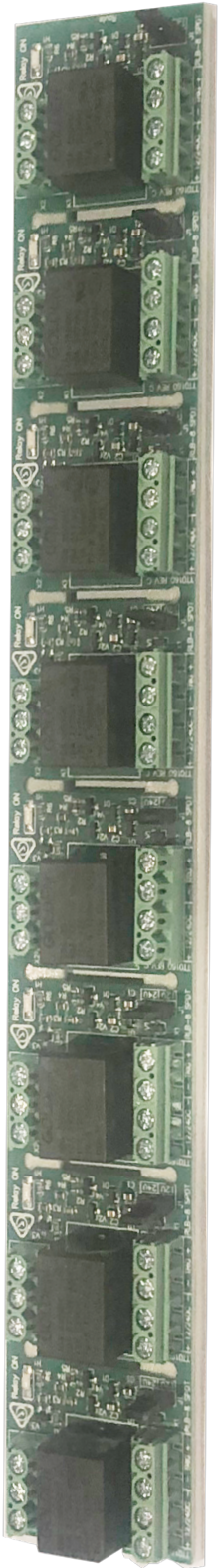


# RLB8-SPDT- V2 Data Sheet

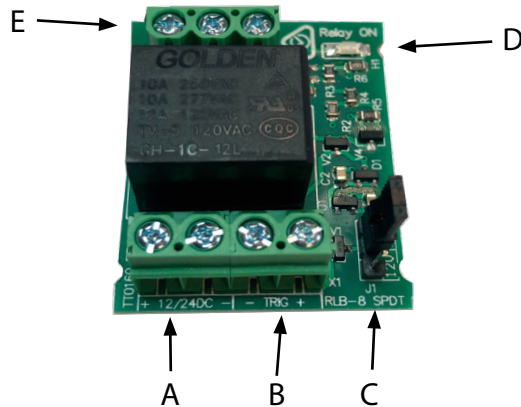


The RLB8-SPDT-V2 relay board from Tactical Power Products features a strip of eight (8) individual dual buffered, Single Pole / Double Throw (SPDT) Relays which share a common power rail. Equipped with a dual selectable dc input 12V or 24V via jumper header J1 (Relays may be separated from the strip for individual or group use.)

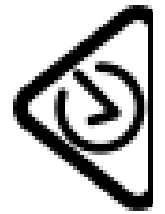
Each relay features a transistor buffered input which may be triggered by any positive DC voltage between 5vdc-24vdc or by 0vdc. (Inputs are provided for + or - trigger). Applying power to either trigger input will activate the relay. Once trigger power is removed then the relay will deactivate.

## SPECIFICATIONS:

- Input voltage 12 - 24Vdc programable
- SPDT relay contacts rated at 6A @ 30Vdc
- Trigger threshold : +5V to 24Vdc or 0V
- Current draw 47 mA when relay is active
- Dimensions: 275L x 42W x 20H mm



Description	
A	12V/24dc Input - /+- (must be constantly powered)
B	- Trig + Inputs : -Trig (0V) + Trig (5-24Vdc)
C	Voltage selection 12Vdc/24Vdc
D	Red LED, iluminated when triggered
E	Relay contacts ( NC C NO )



## Programming the Relay

Each relay is fitted with one jumper header to select operating voltage marked J1.

NB The factory default setting for all relays is 12Vdc. If using 24Vdc program relays before power up.

J1 is a three position SIL header located adjacent to the four way terminal block marked 12v + 24v it is used to program the supply voltage which can be either 12Vdc or 24Vdc.

For 12vdc place header shunt over 12V and centre pin.

For 24vdc place header shunt over 24V and centre pin.

NB when used in a strip of 8 power needs only to be connected to one voltage input due to the voltage bus located on the bottom layer of the PCB.

In the event you need to operate relays from both 12 vdc and 24vdc then follow the recommend method below.

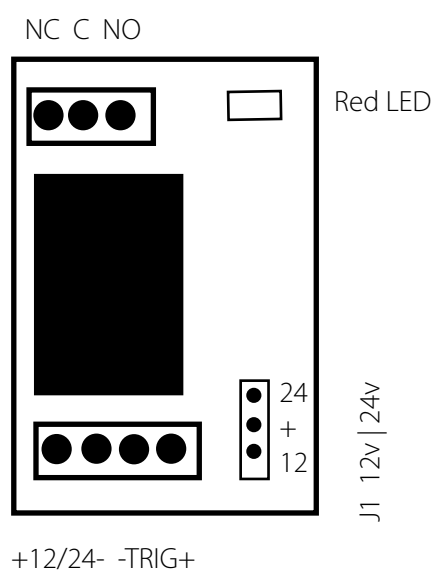
First ensure the power is disconnected.

Turn over the PCB and ascertain the number of relays required to be configured to the alternative voltage. Cut a small 3mm slice out of the 3m tape top and bottom rows, then cut the power bus tracks located on each outer edge of the board adjacent to the routing slot, make sure there is at least 2mm clearance between the cuts. Clean any copper swarf or debris away before power up.

The voltage bus is now available to operate on the two selected voltages 12Vdc and 24Vdc.

Program the new group of relays to the alternate voltage (24Vdc). Now connect the power 12Vdc and 24Vdc to both sections of the PCB.

If unsure call tech support on 1300822769



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[www.tacpower.com.au](http://www.tacpower.com.au) or ask your Tactical distributor for details  
[sales@tacpower.com.au](mailto:sales@tacpower.com.au) Ph: 1300-822-769