

35072-MP

12V QUAD SPDT MULTIFUNCTION RELAY MODULE

Microprocessor controlled Quad Relay Module with isolated SPDT contacts

Opto-Isolated signal Inputs

Dual Trigger methods: On-board P/B switches

or Terminal Strip Inputs

Power: 12VDC (See Below)

Trigger Levels: Low: <2.5V High > 3.5V

Jumper select Internal/external trigger supply

Jumper select HI/LOW Trigger

(On board P/B Switches only operate in the "LO" setting)

3 Jumper programmable modes:

1: Latching: Stays on until next signal

2: Trigger: Stays on as long as a signal present

3: Interlocked: relays cannot be on at the same time
(Next triggered relay releases previous energized relay)

RELAY:

Coil: 12VDC

Contacts: SPDT

Rated: 10A @ 250VAC/30VDC

Terminal Strips for Relay contacts, Power & control

0.1" Pitch headers for selections

L: 3" W: 2-1/4" HT: 3/4" WT: .2

TRIGGER LEVEL: 3 pin Header

"LO" Gnd. on CH inputs activates P/B Switches Active

"HI" Vcc (5V) on CH inputs Activates P/B Switches Inactive

MODE: 6 pin Header (2x3)

SL (Latching): Alternate action of Trigger input causes alternate action of relay

TR (Jog) Relay active as long as Trigger input is present

IL (Interlock) Relays are not active at same time

(Next triggered relay releases previous energized relay)

If Relay 1 is on, Triggering Relay 2 will Deactivate Relay 1

If Relay 3 is on, Triggering Relay 1 will then Deactivate Relay 3 etc.

TRV PINS: 4 pin Header (2x2)

CAREFUL HERE

These jumpers control the Voltage Source for the Optocouplers inputs

Jumpers ON (TRV--GND & TRV+--Vcc) Trigger Levels operate from the 5VDC/Gnd from Terminal Strip.

You can use an External Trigger Supply by Removing the TRV+ jumper AND connecting an External source between Gnd. & the TRV+ header pin.

For 12V you need an external 1-6K resistor For 24VDC you need an 15-22K resistor

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