

# 35071-MP

## 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: 5VDC (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: 5VDC

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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