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Multipurpose Relay MPR001

Use to switch a 24V 1A load from a low current 12V control panel or detector output

2 off volt free NO/NC changeover contacts
Switch load up to 1A @ 24Vdc or 0.5A at 125Vac.
Separate +12v low current (1mA) trigger input
Reverse Connection protection
Low current consumption 13mA on +12v supply
Compact low profile design

Maximum switched Load	1A @ 24V d.c. 0.5A @ 125Va.c. (each contact)
Power Supply	12V d.c. @ 13mA maximum
Low current trigger input	12V d.c. @ 1mA maximum
Dimensions	72 x 26 x 20mm (L x W x H)

Connections

+12V	+12Vdc supply, reverse connection protected
TRIG+	+12v dc low current trigger, reverse connection protected
0V	0V supply

2 Terminals

NO	Switched Contact, Normally open - contact closed when relay is triggered
COM	Switch Contact, Common
NC	Switched Contact, Normally closed - contact open when relay is triggered

Trigger Selection

JP1	Link = Normal Trigger Mode - Relay switches when +12V supply is present No link = Low Current Trigger Mode - Relay switches when +12v applied to TRIG+ input (Note +12V supply is required)

Factory Default = Normal Trigger Mode

Setup

1) Connect dc supply lines (+12V and 0V)
2) Set JP1 for desired trigger operation
3) Mount Multipurpose Relay using self-adhesive mounting stands supplied.

Typical Applications

- Enable 12v powered detectors e.g. PIRs to switch 12/24 V loads e.g. strobes, sounders
- Open or close magnetic door contacts from a low current circuit e.g. control panel
- Fail safe mechanism to automatically release fire door magnetic door retainers when a power
- supply is lost.
- Switch multiple 12/24v SABs from a single panel bell output
- Switch 12/24v CCTV circuits from a 12V trigger e.g. PIR detector, contact switch
- Trigger a surveillance monitoring system e.g. Redcare from an Intruder/Fire control panel output

Warning: This unit is NOT suitable for switching 240V a.c. Mains loads