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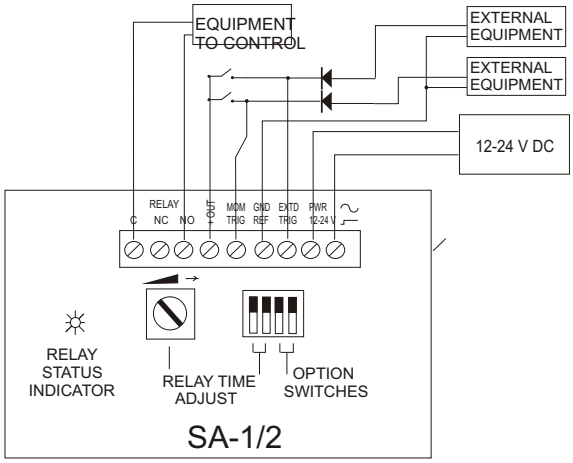
SA-1/2 Latching or Timed Relay Module

The SA-1/2 Relay Module is a highly versatile device designed to allow easy interface solutions for a wide variety of applications. Based on our very successful SA-1, the SA-1/2 is intended for those situations that only require one relay.



Features:

- *Optional 1/2 second delay before relay timer starts*
- *Multiple operating modes - sequence and release*
- *sequence and hold while voltage still applied*
- *sequence and hold till next trigger*
- *Seperate triggers for sequencing and hold open applications*
- *Dry contact and/or hot trigger input on either trigger*
- *Stuck momentary trigger leaves the extended trigger functioning*
- *Noise filtering on the triggers to protect against false triggering*
- *A wide range of power supply options*
- *No surprises on power-up. The SA-1/2 always behaves the same.*
- *Visible indicator for status of timer and relay*

A quick look at what it can do for you:

Compatibility

Form 'C' lock relay contacts allows for applications that require normally closed as well as normally open contacts.

+ OUT terminal

The +OUT terminal provides a convenient way to trigger the **SA-1/2** through a dry contact and to power a LED to indicate power ON.

Hot triggers

Some applications require interfacing to equipment that does not provide a dry contact output, only a hot (voltage) output. The **SA-1/2** will use both AC and DC voltages as a trigger... **no interface relays required.** We also provide instructions on interfacing different types of equipment into the same trigger.

Momentary trigger

The momentary trigger is used for the timed or latched applications. Since this trigger is what we call "edge sensitive", the stuck button won't keep the relay active. Also, a voltage on this trigger during power-up, won't cause the relay to reactivate. This means that you can use a normally open or normally closed button for this trigger.

Extended trigger

The extended trigger is level sensitive. This means that the relay will always be active while there is a voltage on this trigger input. After a power-up or brown-out, the sequence will restart and hold the relay active until the voltage is removed from the input.

Latching Mode

A flick of a switch changes the **SA-1/2** into a latching relay. The 1st push of a button starts the delay timer (if you have that option selected) or turns on the relay. The relay will stay active until you press the button again.

Power requirements

The **SA-1/2** does not need any special power supply. In fact, it will use any voltage between 12 and 24 volts - AC or DC. There are not even any + or - labels on the power terminals. -- just wire it in. No accidental blowouts. No extra DC power supplies. Just borrow a little power from the existing power supply. All the power supply components are built in.

SA-1/2 OPERATING SPECIFICATIONS

Operating voltage: 12 to 24 volts, AC or DC
Stand by current: 12V - 5mA, 24V - 14mA
Operating current: 12V - 34mA, 24V - 46mA (with relay active)
Trigger input: less than .5 mA, 5 - 48VDC, 12 - 48 VAC
Power protection: high capacity surge suppression on board
Relay protection: MOV included
Timer: 1/4 to 30 seconds
Relay contacts: 2 A @ 24V, form 'C'
Operating Temperature: -10 to 45 C
Size: 62mm (2.45") wide, 85 mm (3.4") high, 15 mm (0.7") deep

The SA-1/2 also carries a **16** month warranty.