Control Accessories · TIMER RELAY

This simple timer relay is perfect for applications that require repetitive movements between two set positions. Extension and retraction times are easily set and any of the Actuonix 12V –S type actuators can be connected. This type of relay will cycle at the programmed rate until power is removed.

Timer Relay Specifications	
Input Voltage	12VDC
Switched Current	6 Amps Max.
Operating Temperature	-10°C to +50°C
Electrical Life:	100,000 Cycles
Mechanical Life:	10,000,000 Cycles
Operation	Continuous Cycle
Type	DPDT Timed Relay
Time Range	0.1S – 99H
Compatible Actuators	Any 12 Volt, –S Actuator (ending in -12-S) PQ12 –S 12 Volt requires cable adapter

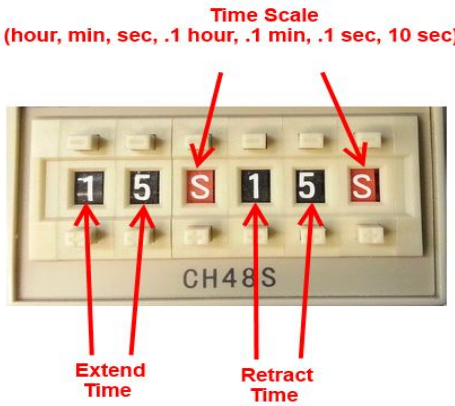
Applications

- → **Home Automation**
- → **Hobby Applications**
- → **Automotive**
- → **Industrial Test**

Operation

Connect the timer relay as per the diagram on page 2. Select the extend and retract times with the buttons above and below the digits on the display. Add additional time if you want the actuator to remain at the respective positions before switching direction. For example: if you set the extend time to 15 seconds, and the actuator only takes 10 seconds to fully extend, there will be a 5 second delay before the retract starts.

Plug your timer relay into 12vdc and it will begin your programmed sequence.



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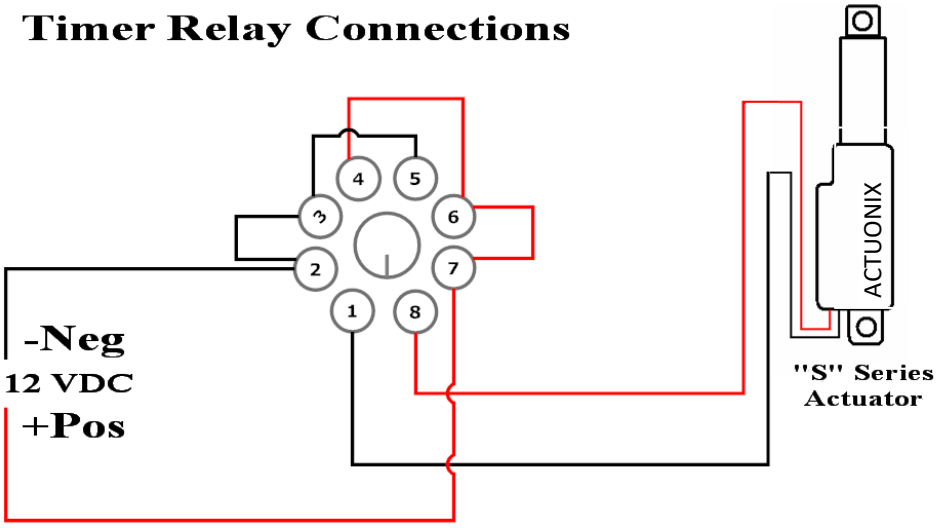
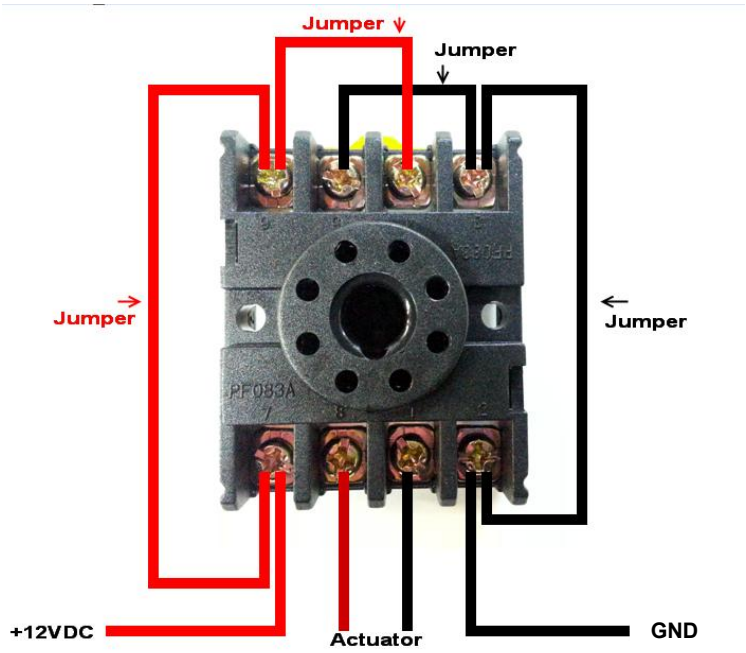
Wiring Diagram:





Important Notes:

The '-S' series linear actuators from Actuonix have limit switches at both ends of stroke to turn off the actuator once it has reached the limit. The timer relay will not turn off the power if it hits an obstruction mid stroke, so if the actuator is not allowed to reach its full stroke, i.e. it stalls, it will continue to draw power, possibly draining your battery and burning out the actuator. You should test your application to ensure that the actuator is reaching its limit switches at each end of the stroke.

Multiple actuators may be wired in parallel to one timer control device, however the total current draw for all the actuators must not exceed the timer units current rating and should not exceed your power supply's current rating.

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