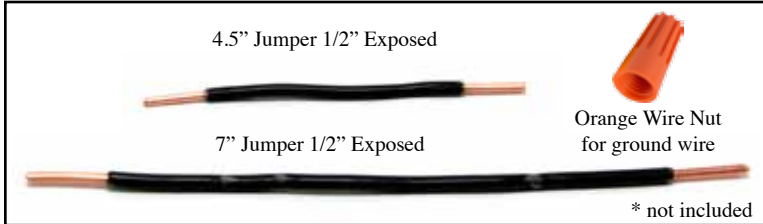




Quick Start Guide

Precut your jumper wires to these sizes.



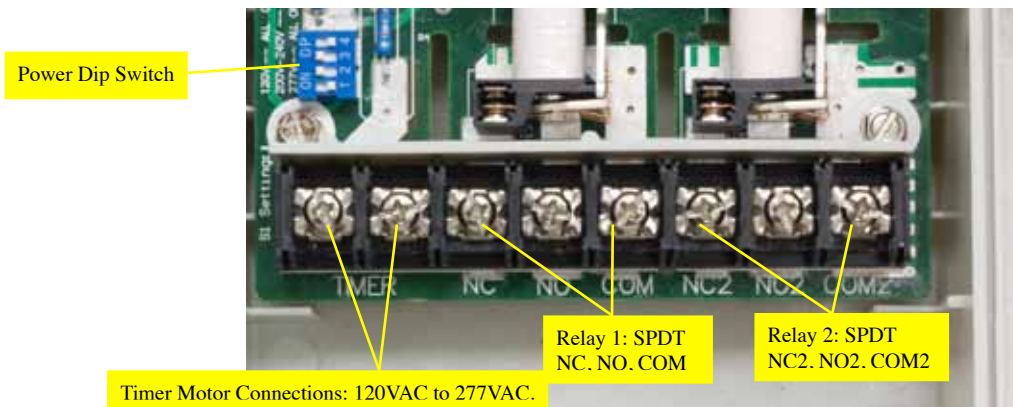
MINIMUM COPPER WIRE SIZE (AWG)	MAX. LOAD (AMP)	MIN. INSULATION TEMP(°C)
14	15	60
12	20	60
10	30	60
8	40	105

Figure 1 – Use chart to decide which size jumper is best for your application.

Commonly Used Tools

- Flat Head Screwdriver
- Hammer
- Wire Cutter/Stripper

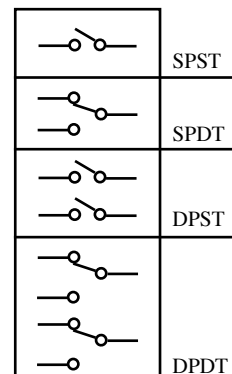
What are the connections?



Let's look at an example hookup where the clock and load connection are 120VAC.

Definitions of Terms:

- COM contact is switched between the NO and the NC contacts. This is not “AC Common” or neutral.
- Normally-open (NO) contacts connect the circuit when the relay is activated; the circuit is disconnected when the relay is inactive.
- Normally-closed (NC) contacts disconnect the circuit when the relay is activated; the circuit is connected when the relay is inactive.
- SPST - Single Pole Single Throw. These have two terminals which can be connected or disconnected.
- SPDT - Single Pole Double Throw. A common terminal connects to either of two others.
- DPST - Double Pole Single Throw. These have two pairs of terminals. Equivalent to two SPST switches or relay.
- DPDT - Double Pole Double Throw. Equivalent to two SPDT switches or relay.





For 1/2" knock out place small blade screw driver as pictured. Tap lightly to punch "knockout" loose.



For 3/4" "knockout" first use screwdriver to punchout 1/2" "knockout" then use pliers to remove outer ring.

The following steps show the two most common connections seen in a residence.

120VAC Setup

Make sure you turn off power at the circuit breaker before touching any wires.

***If you are not comfortable installing this product please contact a certified electrician.**

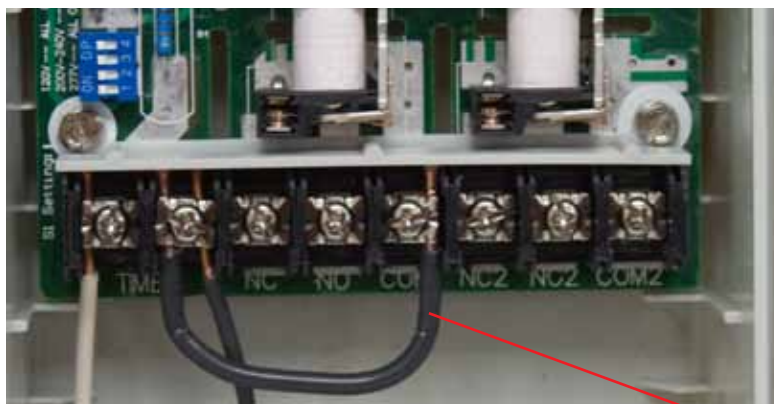
Step 1: Connect the Clock Motor Voltage

Dip switch set for 120 Volts.



The hot and neutral must be connected to "timer" contacts. The dip switch is set to match the input voltage. In this case it is set for 120VAC (all switches ON or to the Left).

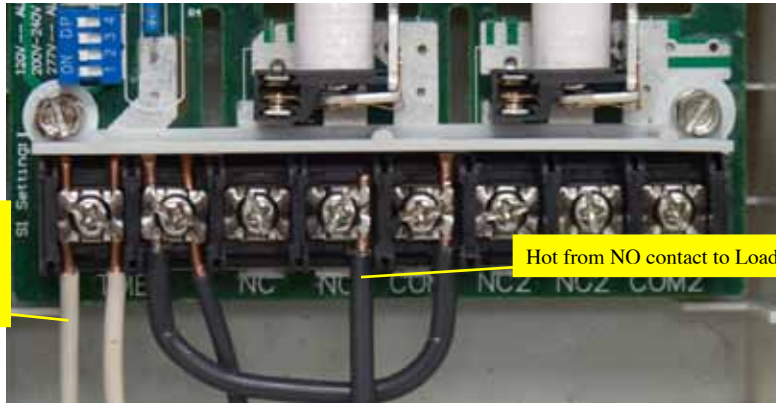
Step 2: Connect Power to the Relay



Power to the relay common must be made on the connector block. It is not connected internally. Here, the 120V Hot is tied to the Relay 1 Com input. This common input will be switched between the NC and NO contacts of the relay. (This is not to be confused with the neutral or "AC Common" line.)

Step 3: Complete the circuit to the load.

Return side of load to neutral. This connection may or may not be made inside timer box, but must be made.



Here, the load is connected to the NO side of relay. This means the load is not normally on. It will come on when the Timer “On” time is reached as set by the dial.

*The Green or “Ground” wires from the input and load should be connected together with the wire nut tucked inside the box.

Activate Timer

* After wiring and setting of the timer, be sure to set the red rocker switch to the “timer” position to activate the timer.

* Please review “Operating Instructions” in the user manual.”

240VAC Setup

Make sure you turn off power at the circuit breaker before touching any wires.

***If you are not comfortable installing this product please contact a certified electrician.**

Step 1: Connect the Clock Motor Voltage



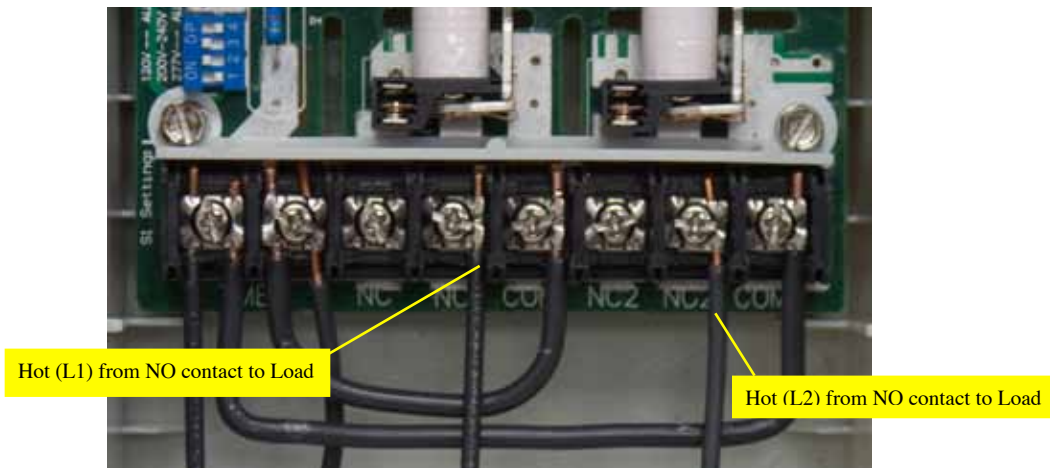
The two hot lines (L1 & L2) must be connected to the “timer” contacts. The dip switch is set to match the input voltage. In this case it is set for 240VAC (Positions 2 & 3 On and 1 & 4 off).

Step 2: Connect Power to the Relay



Power to the relays commons must be made on the connector block. It is not connected internally. Here, L1 is tied to the Relay 1 Com input. L2 is tied to Relay 2 Com input. The lines will be switched between the NC and NO contacts of the relay. (Relay Common is not to be confused with “AC Common” or with Neutral.)

Step 3: Complete the circuit to the load.



Here, the load is connected to the NO side of relays. This means the load is not normally on. It will come on when the Timer “On” time is reached as set by the dial.

*The Green or “Ground” wires from the input and load should be connected together with the wire nut tucked inside the box

Activate Timer

- * After wiring and setting of the timer, be sure to set the red rocker switch to the “timer” position to activate the timer.
- * Please review “Operating Instructions” in the user manual.

For technical assistance please visit our website:
www.jascopeproducts.com/timer
or call our technical support at
800-654-8483 press option 4 for any questions.

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