

6 Volt Lantern Battery

Spring terminals
(also available in screw terminals)

Alligator Clips

Best method to attach wires to the spring terminals on a lantern battery.

Wire

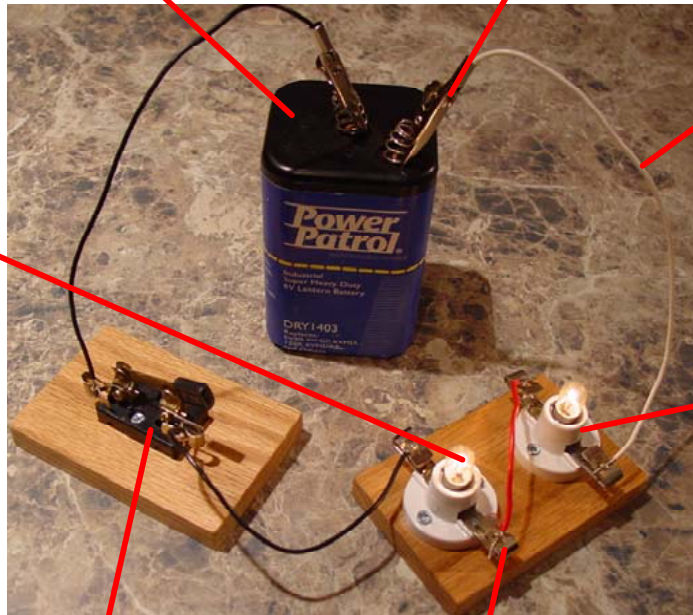
18 gauge, single conductor. Black, Red, White colors.

6 Volt Miniature Light Bulb

Threaded type to screw into lamp holder

Lamp Holder

Miniature lamp socket

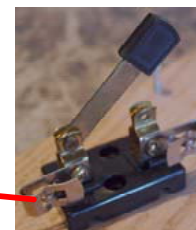


**Knife Switch
Single Pole, Single Throw**

Modified with Fahnestock clips for easier wire hook-up

Fahnestock clips

Allows the wire ends to be connected to switches, lamps, etc. with less tools. Spring loaded clips.



Knife Switch
(close-up)

DC CIRCUITS LAB I

BILL OF MATERIALS

<u>Designation</u>	<u>Qty</u>	<u>Part Number</u>	<u>Description</u>
Battery	1	7690K131	McMaster-Carr 6 Volt Lantern Battery
Alligator Clips	2	SB23790M	5 black, 5 red per pkg
Wire	3 ft*	8073K671	McMaster-Carr 18AWG solid hook-up, black
	3 ft*	8073K674	McMaster-Carr 18AWG solid hook-up, white
	3 ft*	8073K677	McMaster-Carr 18AWG solid hook-up, red
Lamp Holder	2	SB18052M	Single Pole Single Throw
Light Bulb	2	SB08687M	miniature lamp, plastic, sold in pkg. of 10
Knife Switch	1	SB09736M	miniature screw base, 5-6 volt
(optional)	1	SB24049M	Single Pole Single Throw
(optional)	2	SB09737M	Double Pole Double Throw
Fahnestock clips	6	SB19192M	Single Pole Double Throw
Base Board	2		sold in pkg. Of 100
			½X3X3 oak, LOWES

* wire sold in 100' spools

Part Number in the format 'SBnnnnnM' are fNASCO SCIENCE parts (www.eNasco.com)

McMaster-Carr www.McMaster.com