



Magic Gadgets

FLICKERTORCH & FLICKERLANTERN INSTRUCTIONS

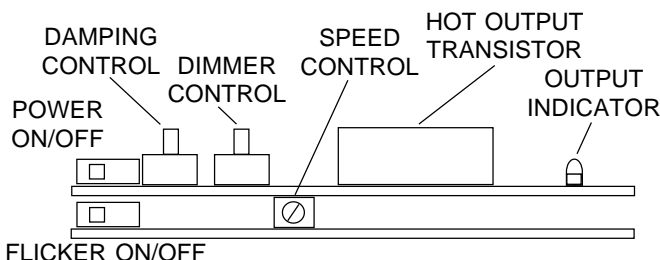
The flicker generator is actually a state of the art "microcomputer" running our unique flickerfire program. The dimmer controls the lamp smoothly from full off to full on. The speed control adjusts the flicker speed. A damping control adjusts flicker smoothness. These controls should be adjusted slowly and the effect observed for a period before further adjustment. Flickertorch has a power switch and a flicker switch. The Flickerlantern Pro has no switches unless specified by special order. An ideal battery power source in minimum space is three 9 volt snap connect batteries in series (a 3x9 volt battery harness is supplied with Flickertorch kit). For excellent cost effectiveness and maximum operating time a good supply of fresh 9 volt alkaline batteries is recommended. Operating time with any battery will depend on battery type and condition. Polarity of the power input is important but reverse polarity will not damage the unit; it will just not operate. Power is being consumed even when the dimmer control knob is turned all the way down and the lamp appears extinguished. See illustrations below for operating controls. Flickerlantern Pro power jack: 2.1X5.5mm, tip +. General specifications: Maximum input 28 volts DC ONLY! Max load 4 watts. An AC adapter is included with Flickerlantern Pro.

FLICKERTORCH KIT IS INTENDED FOR PROFESSIONAL USE ONLY. PLEASE READ THE FOLLOWING BEFORE OPERATING. AT FULL BRIGHTNESS THE LAMP CAN OUTPUT OVER 6,000 POINT SOURCE FOOTCANDLES. Flickertorch is designed to boost the light level of practical torches, candles, fires, and other flickering light sources requiring as little space and weight as possible. To aid in camouflage the unit can safely be painted if the connectors, controls, and switches are covered with tape. The Flickertorch electronics assembly consists of two stacked sections: The top section is the dimmer, the bottom section is the flicker generator. The solid-state output semiconductor (large oval shaped object) can get quite hot during normal use. Use care when adjusting the output level control as your fingers might find this HOT! object. Some plastics will melt if left in contact with this component. A length of 3/4 (.75) inch wide sticky back hook & loop fastener has been applied to the back of the unit. This insulates the circuits and allows attachment to many surfaces such as props, sets, carpet and other materials. A matching strip of hook material is supplied. The unit can also be taped or glued to any surface as long as adhesive is not touching the hot area of the unit. The lamp board can be plugged directly into the end of the electronics assembly. A lamp/battery extender cable is provided to increase the distance between batteries and electronics or between the electronics and lamp socket. The connectors can be passed through a hole as small as 1/4 inch. Longer cables are available. An AC adapter is available for extended use.

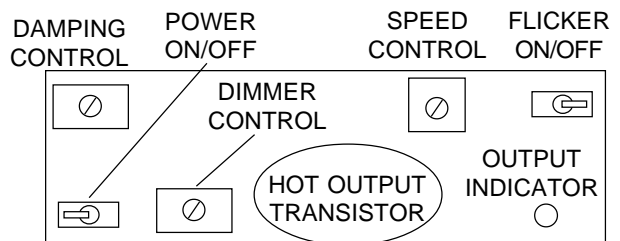
IMPORTANT: Always test the unit in the location where it will be used to determine the optimum placement, heat dissipation, battery time, and general suitability of the device for your specific application.

CUSTOM CONFIGURATIONS OF THESE DEVICES AS WELL AS LANTERN INSTALLATION ARE AVAILABLE.

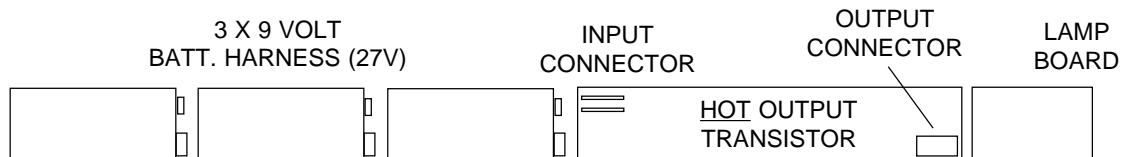
FLICKERTORCH CONTROLS



FLICKERLANTERN CONTROLS



NARROW TORCH RIGGING





USING ALTERNATE POWER SOURCES WITH FLICKERTORCH & FLICKERLANTERN PRO

FLICKERTORCH KIT IS INTENDED FOR PROFESSIONAL USE ONLY. PLEASE READ THE FOLLOWING BEFORE OPERATING.

These devices will operate from most DC power sources from 9 volts to 28 volts **DC ONLY!** The ideal battery power source in minimum space is three 9 volt snap connect batteries in series (a 3x9 volt battery harness is supplied with FlickerTorch kit).

For excellent cost effectiveness and maximum operating time a good supply of fresh 9 volt (alkaline) batteries is recommended. Operating time with any battery will depend on battery type and condition. Larger (or more) batteries allow longer operating time. Smaller (or less) batteries allow rigging in a smaller space.

At a minimum of 9 volts the lamp will NOT reach full brightness but will give a dim "fire-like" colored glow with dimmer control at maximum brightness. At higher voltages, i.e. 20 to 28 volts, and bright dimmer settings a fire colored gel around the lamp should be used to prevent a fake look. Note: fire has a reddish-orange tint, not white like a bright light bulb.

IMPORTANT: When using lower voltage power supplies the usable operating time before a loss of brightness occurs will be shorter. *An input voltage of 9 volts or less may prevent the flicker generator from operating within a short time as the microprocessor that generates the flicker signal requires a minimum of 7 volts to function.*

A 24 volt DC universal power supply (100 to 250 volts 50/60hz AC input) is provided with the FlickerLantern Pro. It is available optionally for the FlickerTorch kit.

NOTE: lamps are landscape lighting type and are available from many hardware and home improvement stores
Specifications:

Input, 28 volts MAXIMUM, DC ONLY!

Output, 4 watts MAXIMUM LOAD!

Lamp socket type: wedge base.

Connector polarity,

FlickerTorch = red pin positive

Flickerlantern = center pin positive

NOTE: polarity protected input, applying reverse polarity will not damage the unit but it will not function.

IMPORTANT: *Always test the unit in the location where it will be used to determine the optimum placement, heat dissipation, battery time, and general suitability of the device for your specific application.*

CUSTOM CONFIGURATIONS OF THESE DEVICES AS WELL AS LANTERN INSTALLATION ARE AVAILABLE.

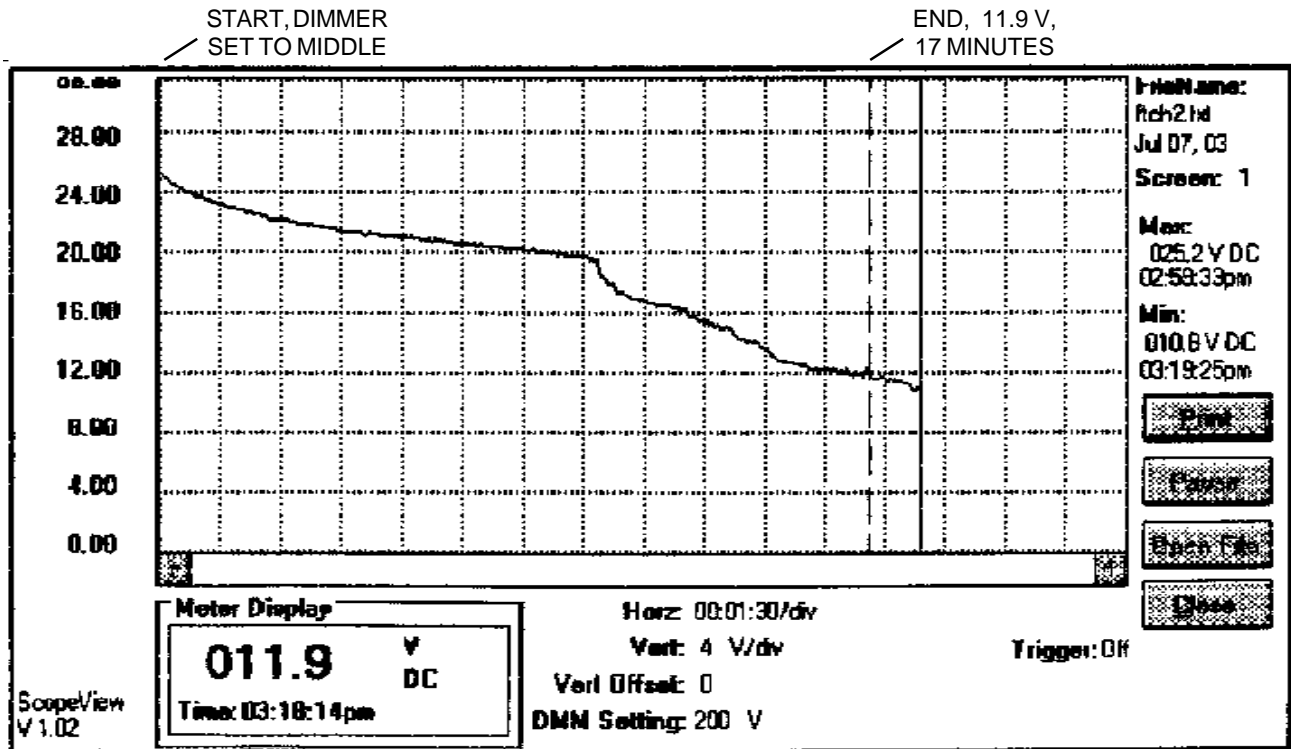
MORE INFORMATION MAY BE AVAILABLE AT WWW.MAGICGADGETS.COM. YOU CAN ALSO EMAIL US WITH ANY QUESTIONS AT TECHSUPPORT@MAGICGADGETS.COM.



Magic Gadgets

FLICKERTORCH/FLICKERLANTERN PERFORMANCE WITH 3X9 VOLT ALKALINE BATTERIES

PERFORMANCE SHOWN IS TYPICAL BUT VARIES WITH BRIGHTNESS AND FLICKER SPEED SETTINGS.



NOTE: AFTER A RESTING PERIOD OF A MINUTE OR SO MOST ALKALINE BATTERIES WILL EXHIBIT A PARTIAL RECOVERY. ALSO, REPLACING THE WARMEST BATTERY OF THE 3 IN USE WILL EXTEND THE USEFUL LIFE OF THE OTHER 2 BATTERIES. THIS IS ONLY RECOMMENDED FOR SHORT PERIODS OF OPERATION AND ONLY WHEN ECONOMY IS MOST IMPORTANT. NEVER LEAVE DEPLETED CELLS INSTALLED AS CORROSION CAN RESULT.