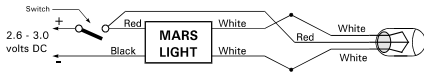


The CIRCUITRON Mars Light requires a 2.6 - 3.0 volt DC power source for proper operation. This can be supplied by two 1.5 volt *ALKALINE* batteries in series or by using a CIRCUITRON **TP-2** or **TP-3** Track Power Adapter. Due to the high intensity of the special dual filament lamp, the current drawn by the **ML-1** is high and battery life of 2 AA cells will be only a few hours of continuous operation. Battery operation is best accomplished by installation in a 'dummy' locomotive due to the battery size.

Mount the lamp by drilling a hole through the center of the model's headlight lens large enough so that the lamp fits easily in the hole. *Do not cement the lamp in place yet.*

Connect the electronics module to the lamp and a power source as shown below. A switch such as the CIRCUITRON **RS-1** or **RS-2** or a sub-miniature toggle or slide switch may be connected as shown to turn the Mars Light on and off. After the connections are complete, apply power and rotate the lamp to achieve the most realistic action. A darkened room will be helpful. Finally, fix the lamp's position with a tiny spot of RTV and allow to set. *Since the lamp may eventually have to be replaced, do not use ACC or epoxy.*



**NOTE:** *This drawing shows the hookup for a battery installation. If you are using the **TP-2** Track Power Adapter, follow the directions included with it. If you are using the **TP-3** Track Power Adapter, the connections are the same as for battery operation.*