

Bat Eyes

EVILUSIONS

Bat Eyes



(Battery not included)

Here is a nice little board that uses a PIC microcontroller to control a pair of LED “eyes”. There are 2 modes of operation – a dim-on and dim-off mode with controllable rate and a realistic random blink. The eyes go off when a sensor on the main board is illuminated.

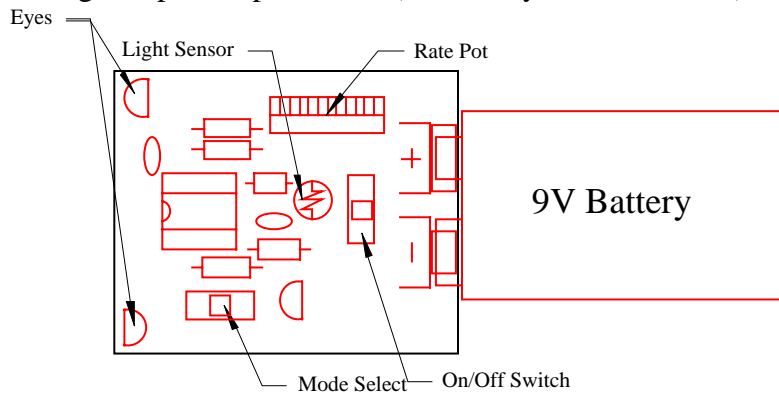
Details:

As mentioned above, this board controls a pair of blinking “eyes”. The eyes are red LEDs. There are 2 selectable modes of operation. The first one is a dim-on, dim-off mode where the LEDs increase and decrease in brightness. There is an on-board thumbwheel pot that allows you to adjust the rate at which this occurs. The second mode of operation is more life-like. The eyes come on and then at random intervals, they blink – they shut off quickly and then dim back on – simulating an animals eyelid movements. Very realistic! There is a small slide switch that selects which mode you want. There is also a small light sensor on the board that shuts the eyes off when the ambient light reaches a certain level. This is useful if you have these outdoors – They will come on at dusk and go off at dawn. The board snaps directly on to a 9V battery. For longer service, you can use any power source 7.5 V or greater. Just attach a battery clip and attach it to the board. Watch your polarity! The LED eyes are mounted directly to the board, but they are easily removed so that you can add a wire to them for greater distances between the eyes.

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Board Layout:

Below is a diagram showing component placement (9V battery is not included).



Specifications:

- Input Power: 7.5 – 24 VDC
- Current Draw: < 10 mA
- Board Dimensions: 1.9 x 1.5 inches

Disclaimer:

In no circumstances should these circuit boards be used in critical situations where failure could mean injury, death or property damage.

Please check out our other circuit board designs at www.evilsions.com

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