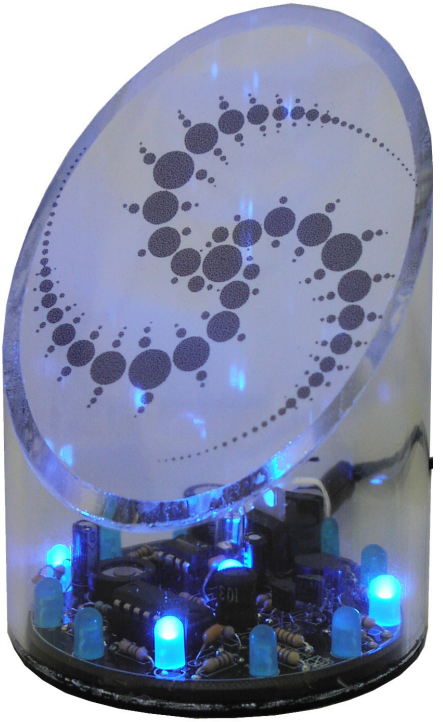
Images SI, Inc.
109 Woods of Arden Road
Staten Island NY 10312
718.966.3694 Tel
718.966.3695 Fax
http://www.imagesco.com

UFO Detector



User Manual

UFO Detector

More than 1/3 of Americans believe in UFO's and one in 10 Americans believe that they have seen a UFO according to a study by National Geographic Channel.

UFO sightings are reported all over the planet by thousands of people. Most UFO sightings can be classified as misidentified aircraft, planets or other aerial phenomena, but not all. A small percentage of UFO sightings exist that can't be explained.

Granted these unexplained sightings attract fringe personalities and hucksters that ought not be taken seriously. But one should not discount the entire subject of UFO's based upon the psycho-ramblings of a few individuals or groups. UFO enthusiasts know the odds are stacked against them regarding credibility.

UFO's can be debated intelligently on both sides of the fence. This article will not enter the debate. But if UFO's has ever aroused your curiosity you may be interested in building a UFO Detector, see figure 1.

So how do we detect UFO's if we're not even sure UFO's exists? Well, we rely on information reported from past UFO sightings.

Countless UFO sightings report electromagnetic disturbances. Our UFO Detector contains a sensitive miniature magnetometer interfaced to a micro-controller that is designed to sense

these electromagnetic disturbances.

While the UFO detector is monitoring, the LED's light in a circular rotating pattern around the edge of the circuit board. If a magnetic anomaly is detected it signals the detection by flashing all 16 LED's simultaneously and beeping.

http://www.ufoevidence.org/topics/EMEffects.htm
Some magnetic anomalies that have been reported in-

FIGURE 1

clude, a running car engine will stumble, cough, and stall. Magnetic compasses swing wildly around and around during UFO sightings.

Using the magnetic anomaly side effect is not a new idea. There are a number of simple plans around the Internet that use a magnet suspended on a conductive wire through a ring terminal, see figure 2. When something causes the magnet to move, the conductive wire touches the ring terminal completing an electric signaling circuit that sounds an alarm or causes a light to turn on.

UFO sightings are rare events. That's where our UFO Detector comes in. The UFO Detector will operate 24 hours a day,

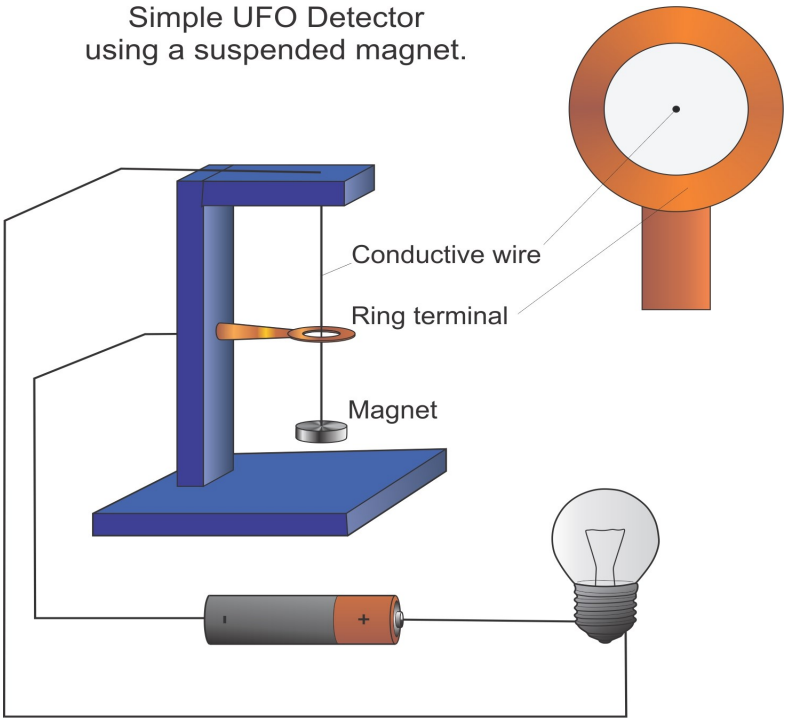


Figure 2

seven days a week while plugged in.

The UFO detector is housed in a sculptured transparent plastic case that is suitable for display on a desk, shelf, or dresser. It is approximately 3 inches in diameter, and stands 4 inches tall. It uses a 6V wall transformer (included).

Circuit Function

Our microcontroller monitors the amplified signal from a coil inductor which is a magnetometer for any anomalies. When it detects a magnetic anomaly, the microcontroller signals by flashing the 16 LED lights simultaneously and beeping. When the unit is in monitoring mode, the LEDs light in a moving circular pattern around the edge of the circuit board.

UFO Detector Function

When power is applied to the circuit (or reset), the microcontroller waits a second before beginning active scanning of the inductor coil sensor. After the initial second has elapsed the microcontroller signals the LEDs to light in a moving circular pattern and beeps once signaling it's in detector mode.

The microcontroller continually scans the inductor coil sensor for any changes in the magnetic field. If it detectors an anomaly the detector beeps an alarm and all LEDs blink simultaneously. The alarm will continue until the circuit is reset.

Keep ferrous material away from the sensor. Moving ferrous materials by the sensor may trigger the detector.

Testing

Choose a location that you feel is relatively clear of external magnetic fields. These may cause false triggering or reduced sensitivity respectively. Turn the UFO detector right side up to apply power to the circuit. After one second the UFO Detector circuit will beep and the LED lights will begin flashing in a moving circular pattern to let you know it is in its detector mode. Once in its detector state, the UFO Detector will signal any magnetic or electromagnetic anomalies and any change it senses in our Earth's magnetic field.

There are many ways to test the UFO detector. Once triggered the UFO Detector will continue to signal by flashing its LED and beeping until it is reset. If you used the mercury-reset switch, reset the circuit by turning the circuit upside down for a few seconds, then placing it right side up.

Test the UFO Detector by waving a magnet a few inches away from the detector. In addition to passing a magnet by the detector, one can obtain similar results by waving a ferrous material (like iron) close to the detector sensor as described for the magnet.

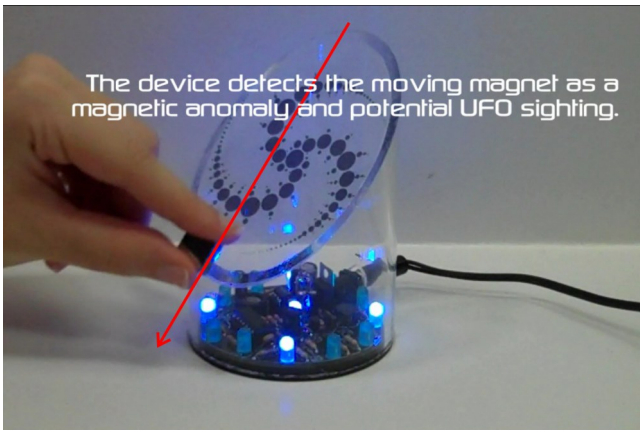
Apply power to the UFO Detector with the included 9V wall transformer. After 1 second the detector will beep once and the

LED light will begin lighting in a rotating fashion.

See YouTube Video:

https://www.youtube.com/watch?v=jkGIbOXr4ag

Test the UFO Detector by waving a magnet over the detector as shown in the top two images below. This will cause an alarm to sound and all the LED lights to flash simultaneously.



Other possible terrestrial triggers include external electromagnetic fields as discussed previously.

Resetting The UFO Detector

To reset the alarm, turn the UFO Detector upside down. This turns off and resets the circuit. Sometime the mercury will stick to the bottom electrodes in the switch even when the UFO detector is turned upside down and keep the circuit powered. Just tap or jiggle the detector a little to make the mercury fall.