

Pace-alert

When pacemaker or implantable defibrillator wearers carrying this Pace-alert encounter strong AC electrical, AC magnetic, or high frequency (RF/microwave) fields, the alarm will go off to warn them to walk away immediately from the sources which could interfere with the implanted devices.

The alarm thresholds are pre-set, based on pacemaker manufacturer's safety recommendations.



Osun Technologies LLC
Home Care Equipment
Company.
www.osuntech.com
(703) 996-3028
Email: admin@osuntech.com

Made in China for Osun.

Patent US 7755477
China ZL 2010 2 0609155.2

About EMF

When pacemakers are installed, most doctors warn patients to stay away from electric, magnetic field (EMF), and high frequency (RF) sources. However, EMF and RF are invisible and today's life is full of electrical appliances. How to know when to avoid electrical interference is a bothersome matter for the pacemaker patients. Osun's Pace-alert addresses this issue.

About Osun's Pace-alert

Osun's Pace-alert is the first that detects AC electrical, high frequency, and AC magnetic fields and alarms when the field strength is beyond the recommended threshold. The pre-set threshold was set up based on pacemaker manufacturer's specifications and includes enough margins to give early warning before the sources actually start interfering the pacemakers.

The Pace-alert has four light-emitting diodes (LEDs) to indicate the status of the unit. The lit green LED shows the unit is turned on and the battery is working. The three red LEDs represent alarms for

electrical (E), high frequency (RF), and magnetic (M) fields respectively, and will be on individually or jointly when one or more sources are stronger than the thresholds.

The unit is very easy to use, and does not require a technical background.

Specifications

For AC Electrical fields, alarm threshold is 4 KV/m., calibrated at 60 Hz. Frequency range is from 30 Hz to 5 KHz.

For RF, 500 KHz to 5.5 GHz, alarm threshold is 100 V/m (2.65 mW/cm²), calibrated at 2.45 GHz.

For Magnetic fields, alarm threshold is 1.5 Gauss, calibrated at 60 Hz. Frequency range is from 30 Hz to 5 KHz.

Unit is powered by a 9V battery. Current drain is about 30mA without alarm.

User Instructions

1. Install fresh 9V Alkaline battery. Please pay attention to the polarity of the battery when installing it.
2. Slide the button at the right side up to turn the device on. The green LED should be on. If no light is on, check the battery.

3. Use the unit to test all the electrical devices in your home or office environment to identify areas with potentially dangerous high field strength. Leave the unit on when you go to new places.
4. Turn the switch off after use. This will prolong the battery life.

Power consumption and battery

Alkaline 9V battery will last more than 20 hours of continuous use, but a rechargeable battery will only last about 9 hours. It is strongly suggest that you have extra batteries available when you are on a trip or expect extended use.

Strong EMF Sources

Strong EMF sources in our environment highly depend on what you do, where you go, and how you live. For example, if you live in downtown of a big city you may encounter many sources; if you are an electrician or welder then you definitely get close to electrical equipment more than other people. There are some common sources you could use to test the

unit from time to time, probably once a month:

1. On the door seal of microwave ovens.
2. Less than 1 inch from the AC/DC adaptor used for the answering machine, CD player, or other small appliances.

When you run the test and the alarm goes off, you know the unit is working. We do not recommend you stay near the source for a long period of time.

Warranty and annual calibration

We provide one year warranty for our products. After first year, we provide annual calibration service. You could purchase life time calibration service, or ask for the calibration done year by year. Please contact us by email or by phone for all service requests.

Note:

The Pace-alert should be carried near the body: either in the hand, on a necklace or belt, or in a convenient pocket which does not block (shield) the Pace-alerts sensors and which allows the user to hear the alarm.

Note: This is not a medical device. It has not been evaluated by FDA for safety or effectiveness. Use with caution and common sense. Do not rely solely on this device as there are some types of electromagnetic fields (a magnet for example) which it will not detect and some circumstances in which a potentially harmful field might be temporarily undetectable.