



TECHNICAL BULLETIN

Provided by: After Sales Service Department

CITIZEN

Eco-Drive. A revolutionary watch.

Bulletin Number: 2002 - 5

Date: April 3, 2002

Factors That Affect Eco Drive Charging

There are a variety of factors that affect the rate at which an Eco Drive watch will charge. Each of the following is important to keep in mind to ensure optimal performance of your Eco Drive timepiece.

Type or Source of Light

The type or source of light plays a pivotal role in recharging. Different light provides varying levels of light energy. The better the light energy, the better your watch will charge. Direct sunlight, not through a window, provides the highest source of light energy available, while office light provides a low source of light energy.

Time of exposure to light

Most often forgotten is how long the watch is actually exposed to light. While you may be outdoors in the sun, the watch may be hidden under a shirt sleeve and not receiving any light. If the light is directly overhead such as in an office, the watch may be tilted away from the direct light and may be receiving indirect light.

Color and type of dial

The color and materials of the dial allow varying amounts of light energy to reach the light conversion or solar panel. Dark colored dials allow more light energy to reach the panel while light colored dials allow less light energy to reach the panel.

If your watch has a special logo on the dial, it may shade part of the light conversion panel, which increases charging time.

Condition of the crystal

It is very important to keep the crystal of your watch in good condition to ensure light continues to reach the dial. As you wear your watch, the crystal may become scratched or dirty. The more scratched the crystal becomes, the harder it is for light to reach the dial as the scratches block and diffuse the light. Additionally, the oils left from our fingers will diffuse light, while dirt will block light. Be sure to regularly wipe not only the crystal, but also the entire watch with a soft cloth to keep it clean.

CITIZEN WATCH COMPANY OF AMERICA, INC.

1000 West 190th Street, Torrance, California 90502-1040 Technical Service: (800) 321-1023 Ext. 4234