

CK-1 LED Digital Desk Clock

From ElectronicsUSA.com

Your CK-1 Six Digit LED Digital Desk Clock was designed for excellent time keeping accuracy and high readability under various indoor lighting conditions. If you set your CK-1 to a time standard like WWV, you will find that it will closely track it. Like all AC operated clocks, it relies on the 60 Hz frequency of the AC line voltage. During the course of a day, this frequency can fluctuate slightly. But the power company compensates for this slight deviation. As a result, depending on when you check, your CK-1 at different times could be exactly synced, slightly ahead, or slightly behind WWV. In most areas of the United States, it will most likely never be off by more than just 2 or 3 seconds! This can be somewhat interesting to monitor!

The CK-1 is easy to set. First of all, choose the time format you want your CK-1 to display. With the case open, a 12 or 24 Hour Selector Switch is located near the rear panel in the upper left corner of the CK-1's circuit board. There are three button switches on the bottom of the case: HOLD, MINUTES, and HOURS. HOLD stops the seconds count, allowing precise setting of time. While setting to a time standard like WWV, use the HOLD button and release at the right moment. With this method, you don't have to wait until the zero mark; just keep count of the seconds and release at the time your clock is reading out at the moment. Tap the HOLD button for the highest accuracy if needed.

For various lighting conditions, the CK-1 is equipped with a dimmer switch for comfortable viewing, especially in subdued light or darkness. It is conveniently located on the bottom of the case. The 9 VAC input jack is located on the rear panel. In the event of a power failure, the CK-1 is equipped with a battery back-up system. To utilize this feature, you must install a FRESH new 9 Volt Alkaline battery inside the case. To install the battery, remove the two screws on the bottom of the case. Install the battery between the two horizontal posts protruding from the rear panel. If you have frequent power outages and you need to replace the battery often, we suggest that you do not replace the two case screws to avoid stripping the threads in the plastic case. If you choose to simply replace the top without the screws, you should tape the screws together and tape them to an interior surface of the enclosure for future access to them so they will not be lost.

Special Note: The CK-1 will not operate properly with an Uninterrupted Power Supply (UPS). The 60 Hz frequency of most UPS systems is highly inaccurate and non-sinusoidal (not a sine wave).

We also recommend using the CK-1 with a surge protector. This helps guard against possible AC line transients and spikes which can possibly damage your CK-1 (or ANY sensitive electronic equipment!) and also affect it's accuracy.

If you are an Amateur Radio operator, sometimes excess stray RF energy can effect the CK-1. The problem can usually be cured by wrapping the 9 VAC transformer line thru a snap together ferrite choke core, such as Radio Shack part numbers 273-104 and 273-105.

Warranty

ElectronicsUSA.com warrants this product to be free of defects in material and workmanship for a period of two years after purchase. The warranty is **NOT** void for owners who attempt to repair defective units. The warranty **IS** void for owners who perform **modifications** to the unit.

Guarantee

If for any reason you are dissatisfied with the product, simply return it within 30 days for a full refund of the purchase price. The returned item must be in good original condition. Modified units cannot be returned for a refund.