

 **COMPETITIVE
EDGE DYNAMICS**

CED 4000



INTRODUCTION

Congratulations on purchasing the CED 4000 Shot Activated Timer. This timer was designed by a team of international IPSC Competitors using the latest technology, high quality components, and custom crafted materials. The result is a compact, lightweight, custom designed timer which is enhanced by its functional ease of use. Your timer is complete with the following features:

- Custom LCD display indicating time and the number of shots fired
- Shot review function with up to 80 shots/times recalled
- Par time available on shot and stop plate modes
- 999.99 second time record capacity
- Fixed (three second) or random (one to three second) delay
- Automatic comstock function
- Adjustable sensitivity shot detector
- Stop plate input jack, also ideal for air soft use
- Low battery LCD indicator
- Automatically selects shot or stop plate operation
- Medium frequency buzzer
- Automatic power down mode
- Power on/off switch to prevent unnecessary battery drain
- 9 volt alkaline battery operation for ease of use and flexibility
- Custom case
- Belt/waistband clip attachment

A table of contents listing each of these features is indicated on the following page for your quick reference.

Please read this operation manual completely to familiarize yourself with all these features of the CED 4000 and to ensure reliable operation.

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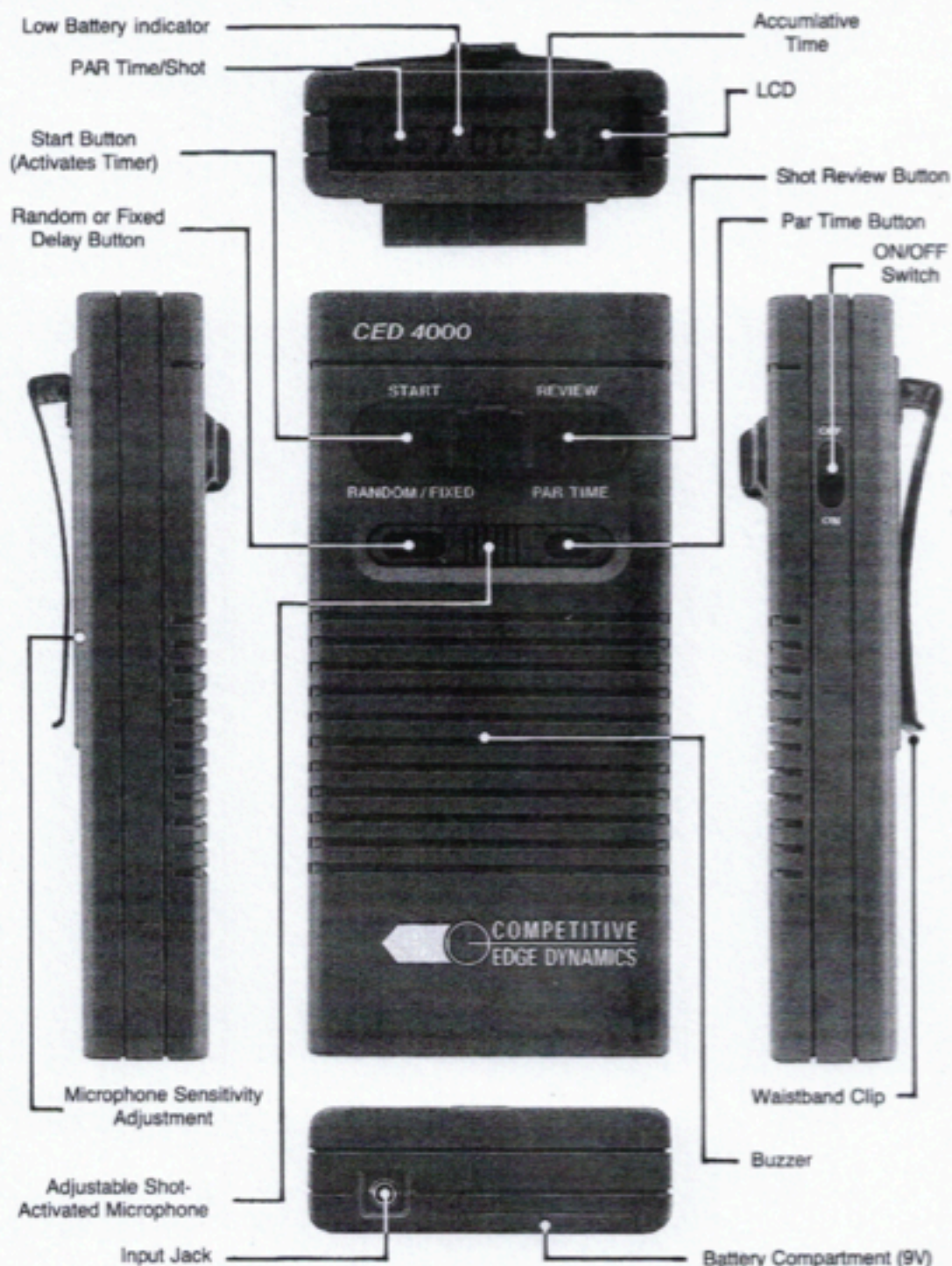
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LOCATION AND FUNCTION OF PARTS AND CONTROLS



In keeping with Competitive Edge Dynamic's policy of continuous improvement and development. CED reserves the right to make any changes, or modifications in the specifications deemed necessary, without prior notice. Therefore, the above photographs and descriptions may vary slightly in detail from your actual product.

PREPERATION

BATTERY:

The CED 4000 functions on a single 9-volt alkaline battery. The battery compartment, located on the lower back panel of the timer provides easy access for fast, and simple battery replacement. A "low battery Indicator" will appear flashing in the LCD display when a battery change is necessary. It will provide the user ample warning to prevent unnecessary timer failure due to loss of battery power.

OPERATION

BASIC FUNCTIONS:

The CED 4000 can be activated by the on/off switch located on the side of the timer. It is recommended that the power switch be in the "off" position when not in use to conserve battery power. **The CED 4000 is designed to automatically power down after three minutes if no input is received.** The LCD will blank-out, but no loss of recorded input will occur. The User can re-activate the timer by pressing the "Review" button to examine any formerly stored results.

The CED 4000 is automatically set for "Comstock" function. Simply turn on the power and press the "start" button to activate the timer. A buzzer will sound, (after the selected delay) while simultaneously starting the clock. Each shot fired will register on the LCD display and continue to do so up to a maximum of 80 shots or 999.99 seconds. If either of these two maximum points are reached, the timer will stop functioning, recording either the 80th shot or the 999.99 time. To re-activate the timer, press the "Review" button at least once.

Upon completion of shooting, the LCD display will indicate the total shots fired and the cumulative time recorded. To review the time each shot was fired, simply press the "review" button and the LCD display will return to the first shot and time recorded. This procedure can be continued up to the 80 shot maximum capacity of the timer.

It is not necessary to clear the LCD display prior to proceeding. By pressing the "start" button, the timer will automatically erase the previous data and activate the buzzer/clock accordingly. However, **the CED 4000 is designed to prevent accidental loss of results. In order to reactivate the "Start" button, the "Review" button must be pressed at least once.**

LCD DISPLAY:

The display indicates the "Par time" selected and the "shots" recorded in the two-digit bracketed () column on the left side. **A maximum of 80 shots and 99 seconds of Par time are possible with the CED 4000.** Cumulative time can be viewed up to 999.99 seconds on the five-digit column on the right. A "low battery Indicator" will appear in the center of the LCD and flash repeatedly when a battery change is required.

FIXED/RANDOM DISPLAY SELECTION:

The CED 4000 provides two types of delay functions. A fixed three second delay from pushing the "start" button to activation of the buzzer and clock, allows sufficient time for proper preparation and stand by.

The "random" mode provides a "one to three" second delay, designed to eliminate any advantage during individual practice. The timer randomly selects a delay on a continuously changing basis.

PAR TIME SELECTION:

Selection of a "Par time" from 1 to 99 seconds can be accomplished with the CED 4000. By pressing the "Par" button located on the front panel of the timer, a specific required time can be entered. Each time the button is pressed, a one second increment will appear in the LCD bracketed column.

To activate the timer and the selected "Par time", simply press the "start" button. The timer will continue to record shots even after the required Par time has elapsed. This allows accurate review of all late shots and their exact time fired.

INPUT JACK:

The CED 4000 provides one input jack located on the bottom of the timer. By connecting a "normally open" type relay switch (not included) to a target, an impulse can be relayed through the jack to the timer.

By inserting a connecting pin into the jack, the timer **automatically deactivates the shot detecting microphone and will only record shots/times received by impulse through the input jack.** The "start, review, par," functions and buzzer continue to operate as normal.

SHOT DETECTOR:

A high sensitivity microphone is used in the CED 4000 to insure accurate recording of shots. An adjustment setting is located on the back panel of the timer, to the side of the waistband clip. This allows for the flexible adjustment when needed depending on the shooting location and conditions. A small, non-magnetic screw driver (not included) is required to make an adjustment.

The CED 4000 shot detecting microphone is factory set to function under most types of conditions. It is not recommended to change this setting unless you are experiencing difficulties in shot detection.

GUARANTEE

****30 DAY MONEY BACK GUARANTEE****

The CED 4000 was designed to provide the optimum timer for the Individual Shooter or Club today at an affordable price. We want you to be completely satisfied with our product. If you are not satisfied, simply return it to us undamaged within 30 days and we will refund your money. No questions asked.

WARRANTY

****ONE YEAR LIMITED WARRANTY****

If the CED 4000 breaks due to defective parts or workmanship, we will repair or replace it for you within the first year. If you accidentally break it, we will repair it at cost for you. We are proud of our product and we want you to be too.

Returns or warranty service should be directed through your purchase location. However, if you should encounter any problems or wish to correspond on any matter, please write or fax to:

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