

INSTRUCTION MANUAL OF MC2100

This unique event day countdown clock has 12 digits of LCD screen. It not only shows all of year, month, date, hour, and minute in a glance, but also shows you the day remains to reach the set target day for important event. Long range of countdown timer and chronometer are included too. Please follow steps to set your clock running properly.

Real-time Setting

Take off battery cover. Install a fresh UM4 (AAA) battery with "+" pole at downward position. The clock automatically conducts self-test programs. As well as the LCD screen fully display the piezo buzzer beeps for 5 seconds. Then shows as Fig. a with "Clock" blinking. Press **D** as Fig. b shown to enter setting mode of year. The symbol "Year" and the first 4 digits flicker. Use **B** and **C** to adjust. Repeat the same way to adjust month, date, hour, and minute. Then press **D** again to close the setting and return to real-time. The display as Fig. c shown does not have any flicker except the symbol "Clock". Please note at each setting mode, press **E** to close the setting and return to real-time.

IMPORTANT

If the clock cannot conduct self-test programs after install battery, then try to short the "+" and "-" poles in the battery compartment together to reset the system and re-install the battery again.

The Use of Mode Key, E

There are four modes programmed in this clock:

- I. Real Time
- II. Special Event Countdown
- III. Countdown Timer
- IV. Chronometer

Press **E** to select the modes in turn. At each mode, press **D** to enter its setting mode. Then use **B** or **C** to adjust up or downward of the flickering digits.

How to Set the Special Event, Mode II

Press **E** to enter **Mode II**. The initial special

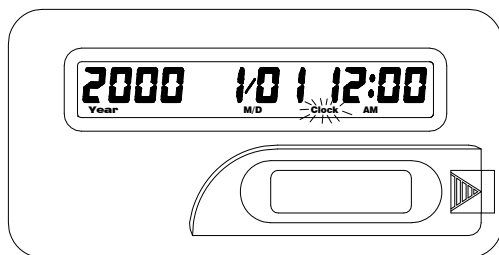


Fig. a Front View

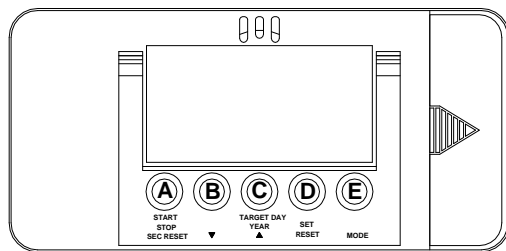


Fig. b Back View

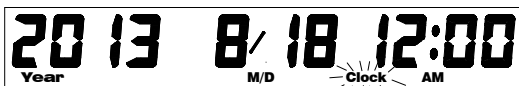


Fig. c real-time mode

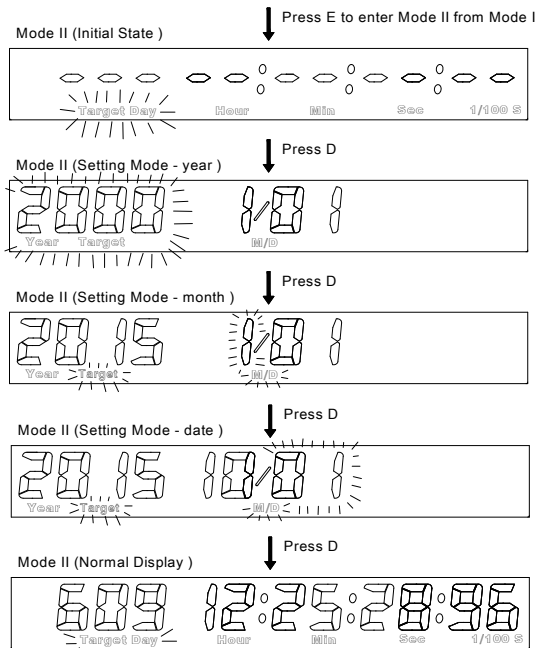


Fig. f

event is programmed on January 1st, 2000. Follow Fig. f to enter each setting mode, and then use **B** and **C** to adjust year, and month/date. Then press **D** again to go back to **Mode II**. The symbol "Target Day" becomes flickering. The screen shows all the counting remains of days, hours, minutes, seconds, and 1/100 of seconds. Please note at each setting mode, press **E** to close it and return to normal display of **Mode II**.

How to Observe the Counting Day Remains at Real-time Mode, Mode I

Press **E** to select **Mode I**. Press **C**, the 4 far left digits of year change to show the day remains as indicated on Fig. e. Press **C** again to return to show year.

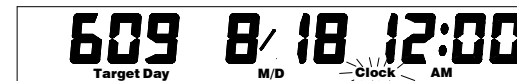


Fig. e real-time mode with day remains

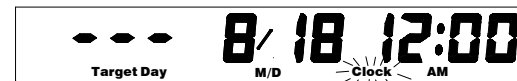


Fig. g real-time mode with day remains

Important:

1. This clock is programmed to allow you setting up to **December 31, 2999**. But the maximum display capacity of showing day remains is 2999 days only. Therefore any excess of 2999 days will show "2 - - -" until the reading down reaches 2999.
2. If you set the event day earlier or equal to today, the first 4 digits of **Mode I** will show " - - - ". The whole screen shows as Fig. g, while at **Mode II** shows as Fig. H.

How to Distinguish Mode I and Mode II

Symbol "Clock" flickering means at **Mode I**, while "Target" flickering means at **Mode II**.

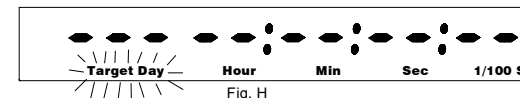


Fig. H

How to Operate the Countdown Timer

Use **E** to select **Mode III**. Press **D** to enter setting mode of day. The first digit and symbol "Day" flicker. Use **B** and **C** to set day. Apply the same way to set hour, and minute. At each setting mode, press **A** to start counting down. Press **A** again to stop. Press **A** furthermore to restart, or press **D** to reset the timer to zero. Refer to the upper format of Fig. I.

setting mode of day. The first digit and symbol



Fig. I LCD format of Mode II and III

How to Operate the Chronometer

Use **E** to select **Mode IV**, chronometer. All the symbols, "Day, Hour, Min, Sec, 1/100 S", flicker. Press **A** to start. Press **A** again to stop. Repeat the press to restart. Or press **D** to reset to zero. Refer to lower format of Fig. I.

What Happen When Counting Expired

- ◆ At **Mode II**, when counting arrive ZERO, the clock beeps in 4K Hz. At the meantime the full LCD screen flickers and begins to count up. The beeps will be stopped after 16 seconds, but the whole screen keeps flicker and count up until the next setting is entered.
- ◆ At **Mode III**, when countdown to ZERO, the clock beeps in 2K Hz for 16 seconds. At the meantime the timer begins to count up.

How to Calibrate Your Clock

This clock provides a simple way to calibrate your clock. At **Mode I**, if the reading of second is less than 30 seconds, press **A** to reset the second to zero. If the reading is equal or more than 30 seconds, the press of **A** is not only reset the second but also add one to the minute.