A. Features

- 13 Digits LCD Display, Display Hour, Minute, Second, Month, Day, Year and Week
- Automatic Calendar (2000~2099)
- Dual Time
- 12 / 24H format selectable, Auto Calendar
- Daily Alarm, Chime hourly and SNZ
- 1/100 second to 23 hour 59.99 second Chronograph with split functions, 12 groups of LAP segment timing
- Countdown function
- EL backlight
- Touch-tone

B. Operational Manual

1. At any mode, press A key EL backlight for 3s.
2. Press B to change the display mode
3. In real time mode press D key to switch 12 hours or 24 hours display.
4. Real Time and date
   - Time Setting
     a). Press and hold C key for 2s to time setting mode and "Second" flashing, Press B key to select item as following sequence:
5. Dual Time Mode

- In the real time mode, press B key 3 times to enter Dual Time Mode, press and hold C key for 2s to select "Hour" setting, press B key to select "Minute" setting.

- Press D key to adjust the value increment, hold down D key to quickly adjust.
- Press C key again to finish setting and return to Dual Time displaying mode.
- In setting mode, 1 minute No key operation automatically exit setting, return to Dual Time displaying mode.
- The second of Dual Time is the same as real time.

6. Daily Alarm

- Turn On / Off Alarm, Chime and Snooze
  a) In Alarm mode, press D and then press C key to turn on/off Alarm ( ),
  b) In Alarm Mode, press C to turn on/off hourly chime( ) and snooze("SNZ"),
**Alarm Mode:**

- In alarm mode, press and hold C key for 2 seconds to enter the alarm time setting state, then press B key to select the setting items as follows:

  - Press D key to adjust the value increment, hold down D key to quickly adjust.
  - Press C key to return to Alarm Mode.
  - In setting mode. No any key operation then will back to alarm display mode automatically after 1 minute.

**Remarks:**

- When you need a daily alarm, do not enter a number at the bottom of the screen. Please set it to "- - - -".
- When you need a specify month alarm, you need to enter the number "12- - -" at the bottom of the screen.
When you need a specify day alarm, you need to enter the number "- - - 30" on the bottom of the screen.

When you need a specify date alarm, you need to enter the number, such as "12-30" at the bottom of the screen.

When Alarm is ON, the BB-BB - ring sounds for 10 seconds, the alarm when the screen symbol " ⏰ " flashing, press any key to stop.

**Snooze function:**

In the Snooze function, The symbol "SNZ" is still flashing on the screen when the alarm stopped, snooze rings every 5 minutes, total ring 6 times.

When the snooze is ringing, press any key is to stop all the after snooze function.

7. **Chronograph mode**

The measurement range of chronograph is 23 hours 59 minutes 59.99 seconds, when reach the maximum, the chronograph re-count from "0"

Chronograph LAP segment timing can remember 12 groups.

**When running the Chronograph:**

- Press D key to Start/Stop running ; When stop, press C key to zero.
- When running, press C key to split counting. Press C key again to next LAP split counting.
- In the split counting, press D key to stop counting, Press C key to view the memory mode, press C key again to continue to view the next memory.
- When exit split count, hold on C key for 2 seconds to zero.
- When running, press B key to return to Real Time mode, and it runs at back.
8. **Countdown mode**

- The display range of the timer is 1 minute to 23 hours 59 minutes.

**In the countdown mode**
- Press and hold C key for 2s to time setting mode and "Seconds" flashes. Press B key to select "Hour", then Press B key "Minute" setting.

- Press D key to adjust the value increment, hold down D key to quickly adjust.
- Press C key to confirm, press B key return to the real time mode.
- In setting mode, no any key operation then will back to countdown mode automatically after 1 minute.
- Press D key to Start/Stop counting. Press C key for 2s to starting value when stop counting. Press C key for 2s again back to the setting mode.

- When the countdown stop to zero, the BB-BB - ring sound for 15 seconds, press any key to stop the ring, when the ring stop, the countdown time will automatically return to the initial setting time.

**C. Specifications**

- Module Size: Φ 37.2mm
- Module Thickness (include buzzer): 9.2mm
- Operational Temperature Range: -10°C~+60°C
- Operational Voltage: 3.0V
- Accuracy: ±45sec/month
- Battery Code: CR2025 (capacitance: 170m Ah)
- static average current: ≤1.5uA (static maximum current: 3.5 uA)
- Alarm average current: ≤2m A (Alarm maximum current: 5.0m A)
- ≤8m A (EL lighten maximum current: 10m A)
- ≥36 month (Japan Lithium)
- EL lighten average current
- Battery life (85%)

(Battery life calculate according to EL lighten four times each day for 3 seconds each time, alarm for 60 seconds each day)