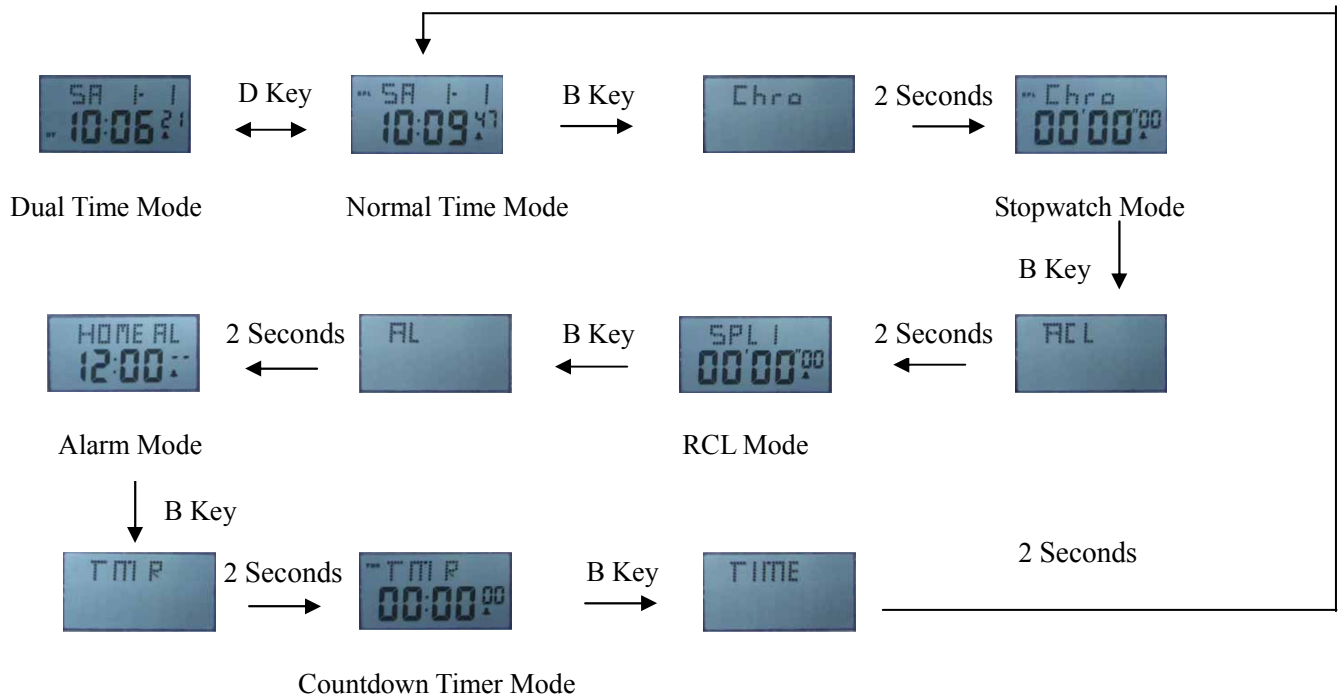




## A . Features

- 12 Digits LCD Display, Display Hour ,Minute ,Second ,Year(Year 2000~Year 2099), Month , Day and Week
- Alarm Mode: Alarm of Normal time (Home Time ) and Alarm of the Dual Time (the Second Time / T2)
- Chime signal .
- 12-hour / 24-hour format selectable .
- Stopwatch counts 1/100 second , seconds , minutes and maximum take four Lap or Split time .
- Countdown timer' max value is 23 hours and 59 minutes .(The maximum countdown timer can be set in the range of 23hours 59minutes )
- Dual Time .
- EL backlight.
- Key tone

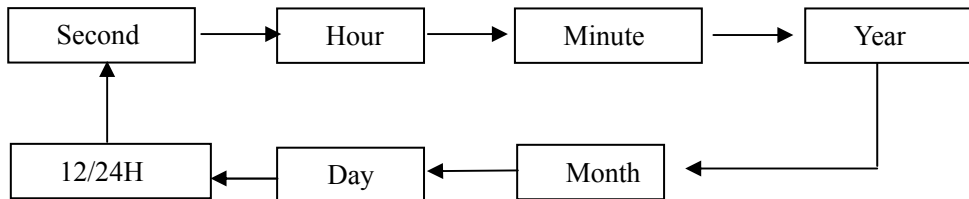
## B . Operational Manual



1. In normal time mode, press A key, EL will light for three seconds, and press B key to select different operating mode.

## 2. Normal time mode(TIME)

- In the Normal Time Mode. Hold down C key for two seconds to enter time setting.
  - a) At this time, “second” starts to flash, press D key, seconds get to zero, press B key to move the flashing in sequence shown below to select other settings:



- b) Press D key to adjust setting items.
- c) Press C key to confirm and return to time display mode.
- d) When set the “seconds”, if the current count is in the range of 30 to 59, the minutes will increased by 1 when the seconds reset to 00. In the range of 00 to 29, the seconds are reset to 00 without changing the minutes.
- e) Week will adjust automatically according to the date which have been set ( year, month, date).
- f) The year can be set in the range of 2000 to 2099 .
- g) With 24-hour format , times are displayed in the range of 0:00 to 23:59, no 24-hour indicator appears.

## 3. Dual Time Mode (DT)

- The Dual time can display another time of different time zone.
- In the Dual Time Mode, the count (seconds, month, date, day ) is synchronized with the count of the Normal Time Mode.
- To set dual time: In dual time mode, hold down C key for two seconds to enter dual time setting screen ,at this moment, “hour” starts to flash, and press B key, until “minute”starts to flash, when related item is flashing, you can press C key to adjust, then press C key again to exit setting screen.

## 4. Stopwatch Mode

- Stopwatch includes SPL and LAP. When SPL time and LAP time reset to 00, press C key can toggle between SPL time and LAP time.
- The display range of the stopwatch is 59 minutes, and 59.99 seconds .
- ,The stopwatch will continue to measure time if you do not stop it, when the stopwatch reaches its limit, it will restart to measure from zero.
- Exiting the stopwatch mode while a split time is frozen on the display, it will return to elapsed time measurement automatically.

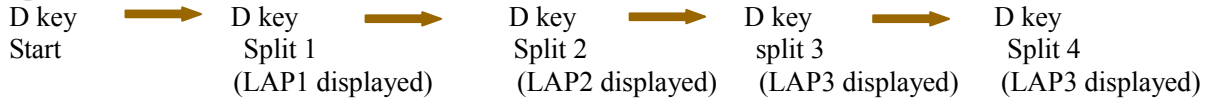
- When use stopwatch to measure:

To measure times with the stopwatch (LAP)

Elapsed time



Spilt time

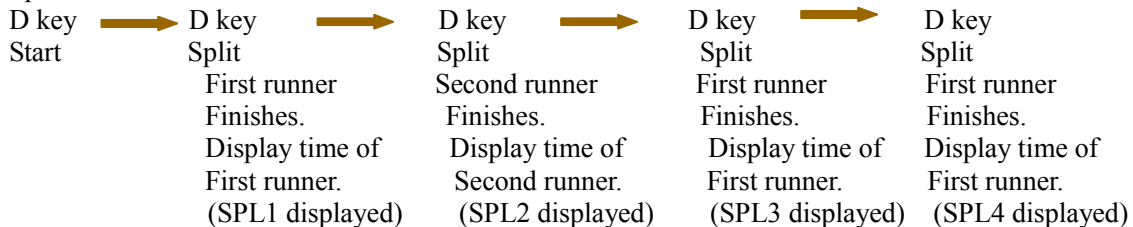


To measure times with the stopwatch (SPL)

Elapsed time



Spilt time



- After Split value displays for 4 second, it will be return display running value automatically .
- When SPL time are recorded fully, old SPL time records will be covered with new SPL time.

## 5. Recall Mode (RCL)

- In RCL mode, SPL and LAP can be viewed.
- When SPL time and LAP time reset to 00, press C key can toggle between SPL time and LAP time.
- In LAP time, press D key to view the time from LAP1 to LAP4.
- In SPL time, press D key to view the time from LAP1 to LAP4.

## 6. Alarm Mode (AL)

- In alarm mode, press C key to view the alarm of Normal Time(Home Time) or the alarm of Dual Time(the Second Time /T2).
- Alarm mode of normal time(Home time) or alarm mode of dual time(T2), hold down C key for two seconds to enter alarm setting.
  - At this moment, “Hour ” starts to flash, press B key to select items in sequence as below:  
Hour → Minute
  - Press D key to adjust selected items.
  - Press C key to confirm and return to alarm display mode.
- In alarm mode of normal time (home time), press D key to turn on / off the indicators of alarm and chime signal “🔔” in sequence. Chime signal can only be turned on in alarm mode of timekeeping.

- In alarm time of dual time (the second time /T2), press D key to turn on / off the alarm indicator in sequence.
- In the case of alarm tone is on, sounds indicator “ (•••••) ”of alarm will display on the screen.
- In the case of alarm tone is on, alarm will stop ringing automatically after ringing for 20 seconds when alarm time is reached, you can press any key to stop alarming.

## 7. Countdown timer mode(TMR)

- The countdown time can be set in the range of one minute to 23 hours 59 minutes, alarm will ring if countdown time is reached.
- Press D key to start counting down, and press Ckey to stop counting down, when countdown is stopped, press C key countdown will reset to the initial time.
- Hold down C key for two seconds to enter conutdown setting screen:
  - a) At this time, “hour” starts to flash, press B key to select setting item in sequence as below:  
 Hour —————> Minute
  - b) Press D key to adjust setting item.
  - c) Press C key to confirm.
- If you don't stop countdown timer, .it will continue to run even though the watch has exited countdown timer mode.

## C. Specifications

- Module dimension : 28.3\*26.5mm
- Module thickness (including buzzer) : 7.90mm
- Operational temperature range : -10°C ~+60°C
- Operational voltage : 3.0V
- Battery code and capacity : CR2025(Capacity:170m Ah)
- Time accuracy : ±30 sec/month
- Static average current : ≤2.89u A (Static maximum current: 4.5 u A)
- Alarm average current : ≤0.96m A (Alarm maximum current: 3.5m A)
- Average current of EL lightening : ≤8.0m A (Maximum current of EL lightening: 10.0mA)
- Battery life (85%) : ≥36months (Made in Japan)

EL lights four times per day, it lights for three seconds each time, light for 12 seconds in total in a day.  
Alarm rings for 60 seconds every day.

	Prepared	Checked	Approved
Name	冯碧颜	赵星亮	汤志平
Date	16/08/24	16/08/24	16/08/24