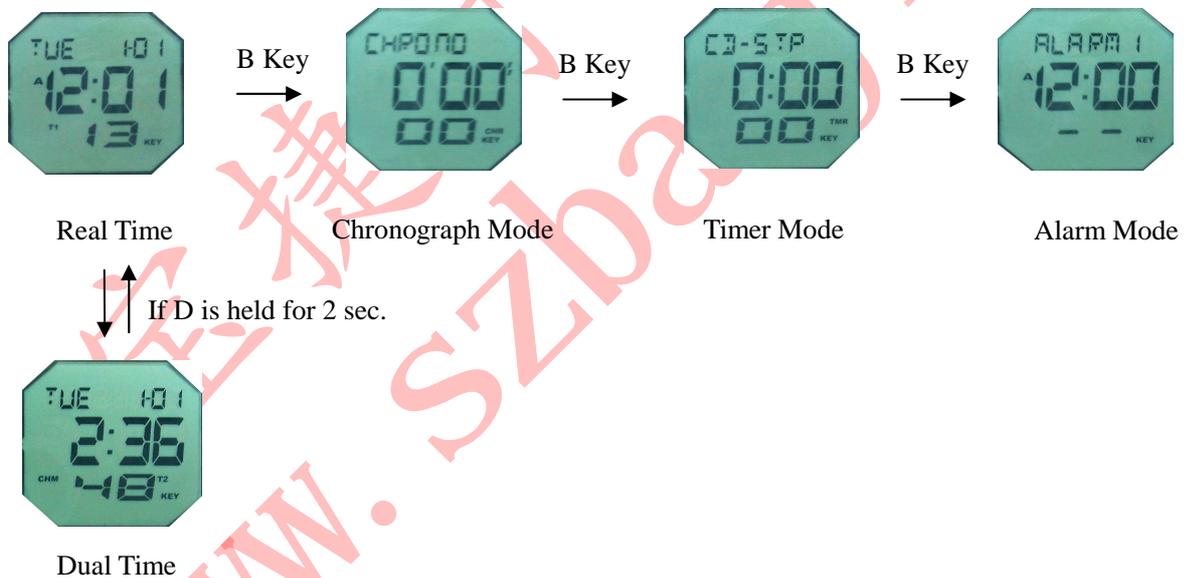




## A. Features

- 14 Digits LCD Display, Display Hour ,Minute ,Second , Year(2000~2069), Month , Day, and Week .
- 12 / 24H format selectable, Auto Calendar.
- Dual Time
- 1/100 second Chronograph ( The display range of the stopwatch is 23 hours, 59 minutes, 59 seconds.)
- 4 independent daily alarms and Chime hourly.
- Timer ( Count-down stop, count- down repeat or count-down up timer with preset value up to 23 hour, 59 minute, 59 seconds. )
- Key tone
- EL backlight

## B. Operational Manual

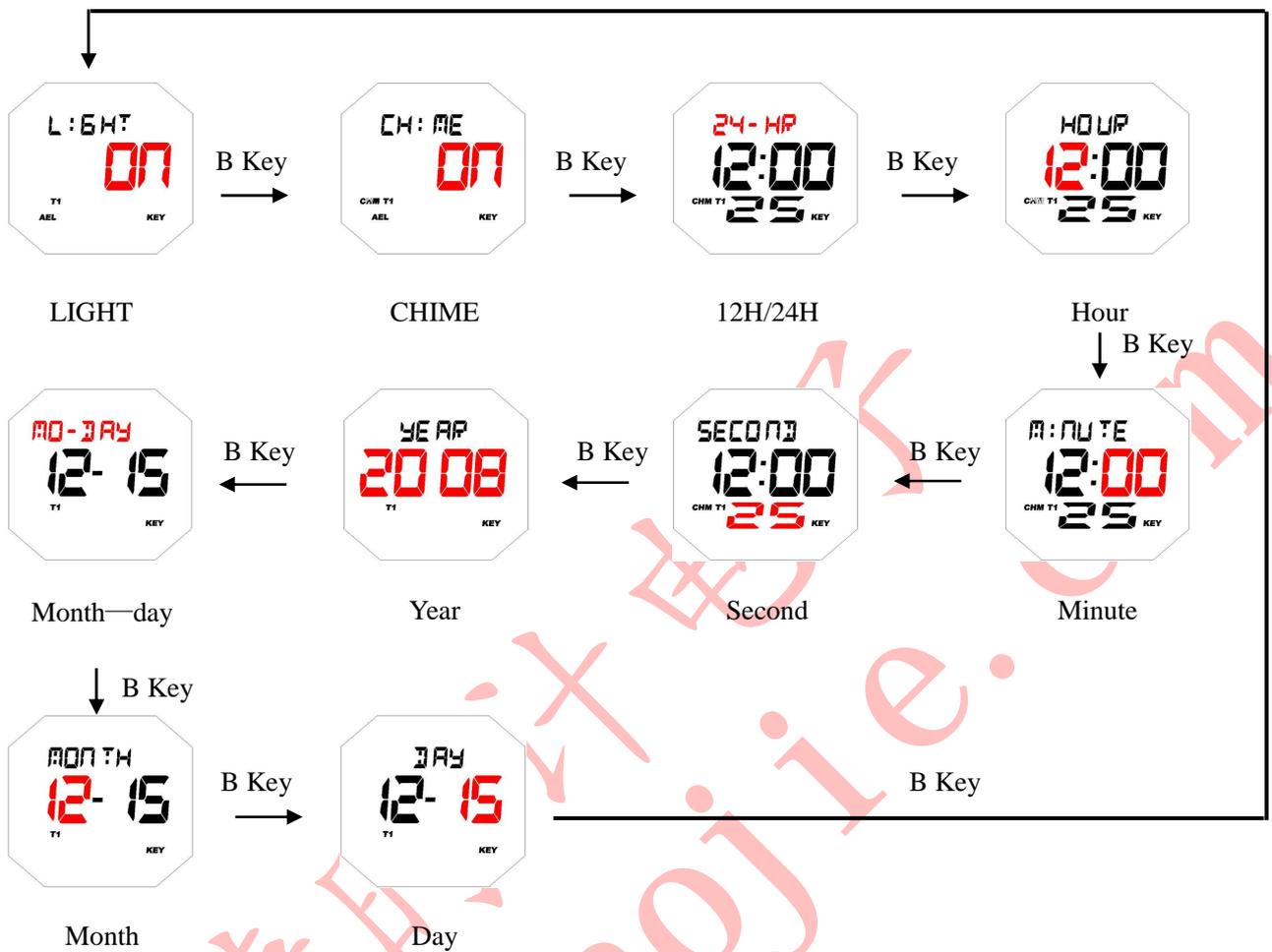


### 1. At any state ,press A key EL backlight for 3s .

- Press C to on/off “ KET ” key tome.

### 2. Real time setting mode

- At real time mode ( T1 ), press and hold A for 2 seconds to enter the time setting.
- Press C / D to on/off the “ LIGHT ” function. EL will be on if any key pressed and “ LIGHT ” function is on. Again press B key to “ CHIME ” will be set first. Press B key to select mode in turn as following :



- Press C/D to decrease / increase the setting value.
- If C/D key has been pressed and held for 2 sec., auto advance function will be activated.
- Press A to exit the setting Mode.
- If there is no key operation for 30 seconds, setting Mode will be exited and returned to Real Time Display Mode.

### 3. Double time setting

- If time2 is displaying, at dual time mode (T2), press and hold A for 2 seconds to enter the time2 2 setting mode.
- Time difference between T2 and T1 will be set.
- Press C/D to decrease / increase the setting value.
- Range of the time difference is  $\pm 23H$ .
- Press A to exit the setting mode.
- If there is no key operation for 30 seconds, setting Mode will be exited and returned to Real Time Display Mode.

### 4. Chronograph Mode

- The display range of the stopwatch is 23 hours, 59 minutes, 59 seconds.
- Press D to start/stop the chronograph.

- Press C to split/reset the chronograph.
- Press B to change into Timer Mode.
- Press A to recall the memory if chronograph is stopped.
- Press A to view the next lap.
- Press B to get into Timer Mode.
- Press C or D to exit Recall Mode and go back to Chronograph Mode.

**Remark:**

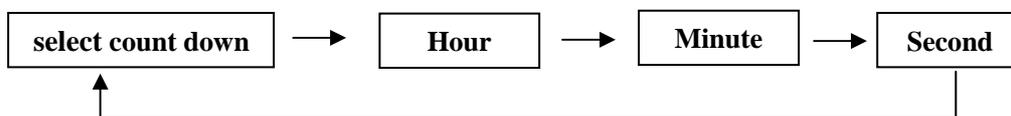
- There are total of 10 lap memories.
- Lap “ L ” (Last) will be shown if lap number 9. The last lap memory will be overwritten by the latest lap whereas the first 9 laps will be kept unchanged.
- If there is no key operation for 30 sec., and chronograph is not running, Real Time Mode will be retrieved.

**5. Timer Mode**

- There are three different modes of timer:
  - “TMR” Count down – stop
  - “TMR” Count down – repeat
  - “TMR” Count down – and up
- Will be flashing if counter is counting down.
- Will be flashing if counter is counting up.
- Press D to start/stop the timer counting.
- Press C to reset the counter to the preset value if timer is stopped.
- Press B to change into alarm mode.
- Press A to turn on the EL if 4 keys option is used.
- “To SET” will be prompted if 4keys option is used.
- If A is held for 2 seconds, timer’s setting mode will be entered.

**Timer alarm:**

- Timer alarm will be output at 2 beeps per second.
- Timer alarm will be output for 30 seconds if timer is counted down to zero normally.
- If preset value is less than 1 min. and count down repeat is selected, timer alarm will output for 1 second only each time the timer counted down to zero.
- Timer will be stopped and reset automatically with alarm sounds for 30 sec., if repeat counter counted up to 100.
- Timer will be stopped and reset with alarm sounds for 30 seconds if timer counted up to overflow (23H59M59S).
- Press and hold A for 2 seconds digits start to flash, which indicates the setting screen.
  - a). Press B to move the flashing in the sequence shown below to select other settings:



- b). Press C/D to decrease / increase the setting value.

- c). Press A to exit the setting Mode.
- d). If there is no key operation for 30 seconds, setting node will be exit automatically.

## 6. Alarm display mode

- Press D to select the alarm.
- Press C to enable/disable the alarm.
- Press B to change to time mode again.
- Press A to turn on the EL if 4 keys option is used.
- “TO SET” will be prompted if 4 keys option is used.
- If A is held for 2 seconds, alarm setting mode will be entered.
- If there is no key operation for 30 seconds, time mode will be retrieved automatically.
- Alarm ( 4 beeps per second ) will be output for 30 sec. if alarm time is arrival and alarm is enabled.
- Press any key to stop to alarm.

### Alarm setting mode

- Press B to select between hour or minute setting.
- Press C/D to decrease / increase the setting value.
- Press A to exit the setting.
- Alarm will be enabled automatically if there is any change in hour or minute.
- If there is no key operation for 30 seconds, setting mode will be exit automatically.

## C. Specifications

- Module Size :  $\Phi 33.3 \text{ mm}$
- Module Thickness :  $8.8 \pm 0.15 \text{ mm}$
- Operational Temperature Range :  $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Operational Voltage :  $3.0\text{V}$
- Accuracy :  $\pm 90 \text{ sec/month}$
- Battery Code : CR2025
- Current Consumption for Digit (maxima) :  $\leq 4.0 \text{ u A}(T=25^{\circ}\text{C})$
- Current Consumption for Digit (averagely) :  $\leq 3.2 \text{ u A}(T=25^{\circ}\text{C})$
- Alarm Current :  $\leq 2.5 \text{ m A}$
- EL Current :  $\leq 10 \text{ m A}$
- Battery life 3 backlight operation (6 seconds) per day : 24 month (Japan Lithium)  
20 seconds of alarm operation per day

	Prepared	Checked	Approve
Name	冯碧颜	徐治中	宋检望
Date	08/10/31	08/10/31	08/10/31