

LIGHT/ RESET (A Key) ———



———— (D Key) START//STOP

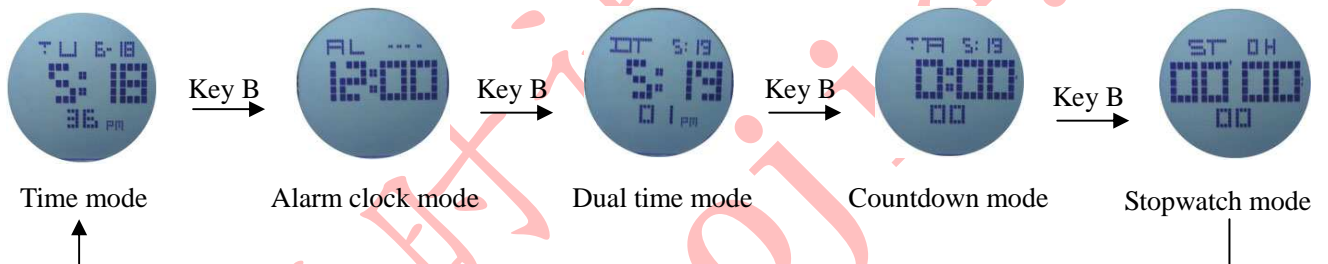
MODE (B Key) ———

———— (C Key) SET

A. Product features

- 12-digit timekeeping function, display hour, minute, second, year (1985-2029), month, day, week.
- Standard timer alarm and chime
- 12/24 hour format selectable, fully automatic calendar
- Dual time display
- 1/100 second chronograph and split time
- Countdown (maximum countdown time is 23 hours 59 minutes and 59 seconds)
- EL backlight
- Key tone
- Under any setting mode, long press key D to adjust fast.

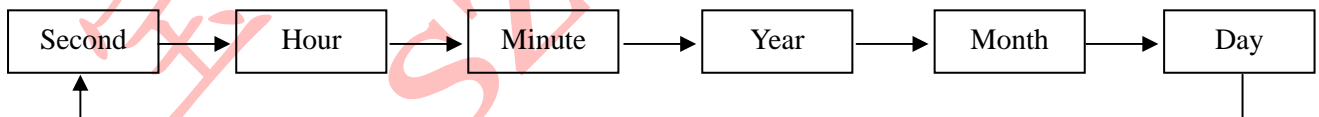
B. Product Function Mode



1. In any mode, press key A that EL will light for 3 seconds, press key B to select operating mode.



2. Timekeeping Mode

- At timekeeping mode, press key C to enter time setting status, At this time “Second” flashing, press key D “Second” return to zero; press key B to step below items in sequence :



- Press key D to adjust the selected items
- Press key C to confirm and return to timekeeping status
- In setting “Second”, if the figure of second is at 30-59, when the second figure returns to 00, the minute figure will be added 1; if the second figure is at 00-29, then the minute figure will remain unchanged.
- 12/24 Hour format select: in time setting mode, press key A to select 12/24 Hours mode, “24H” icon indicates the 24 Hours mode while “PM” indicates afternoon of 12 hours mode.

3. Alarm Mode

- Press key A to turn on/off alarm: “” and CHI: “” in turn
- Press key C to enter alarm time setting status (alarm is turned on automatically), At this time “Hour” flashing, press key B to step below items in sequence:



- Press key D to adjust the selected items
- Press key C to confirm and return to alarm display mode

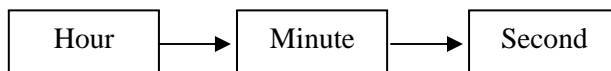
- When adjusting month and day to be “---”, it indicates day alarm ring.
- Under alarm on mode, when the set alarm time is reached, the icon “ (••) ” will flash and the alarm will ring for 20 seconds, it will stop automatically after 20 seconds.

4. Dual Time Mode

- At dual time mode, press key C “Hour” flashing, press key D to adjust “Hour”; press key B “Minute” flashing, press key D to adjust “Minute” and then press key C to confirm and return to dual time.

5. Countdown Mode

- Press key D to start/stop countdown; when countdown stop, press key A the countdown time will automatically return to time pre-set.
- When countdown time reaches zero, the countdown will stop automatically. The alarm will ring for about 10 seconds. Press any key to stop the alarm ring. After the alarm ring, the countdown will be reset.
- Press key C to enter countdown time setting: At this time “Hour” flashing, press key B to step below items in sequence:



- Press key D to adjust the selected items
- Press key A to turn on automatic circle countdown (“AUTO”) function;
- Press key C to confirm

6. Stopwatch Mode

- At stopwatch mode, press key D to start second run, repress key D to stop. At this time, press key A to zero.

C. Specifications

- Module Size : $\Phi 33.2\text{mm}$
- Module Thickness (include buzzer) : 8.00mm
- Operational Temperature Range : $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Operational Voltage : 3.0V
- Accuracy : $\pm 30\text{sec/month}$
- Battery Code : CR2016(capacitance: 90m Ah)
- static average current : $\leq 1.70\mu\text{A}$ (static maximum current : 3.5uA)
- Alarm average current : $\leq 1.63\text{mA}$ (Alarm maximum current : 6.0mA)
- EL lighten average current : $\leq 7.16\text{mA}$ (ELlighten maximum current : 10.0mA)
- Battery life : $\geq 18\text{ month}$ (Japan Lithium)

(EL light for 4 times each day, each time for 3 seconds, a total of 12 seconds; each day alarm ring for 60 seconds)

	Prepared	Audited	Approved
Signature	Feng Biyan	Xu Zhizhong	Song Jianwang
Date	12/01/11	12/01/11	12/01/11