

1. List of functions

Date / time

- Two groups of time
- Hour, minutes, seconds display, 12 / 24 hours system
- Day, monthly display and weekly enquiry
- A 100-year automatic calendar

countdown

- Countdown function
- Countdown over, can be set to stop or repeat (up to 99 repeats)

Percentile stopwatch

- A percentile stopwatch, 0.01 timing precision of a second
- Up to 99 lap

Alarm clock

- Day alarm clock
- 5 minutes snooze mode

Backlight

- 3 Seconds backlight
- Open Night-Light function, then press any key to light the backlight

2. Display and key description

Module full display and keys are as follows:



3. Module reset process (power-on, press reset key to reset or software reset)

The reset process is as follows:

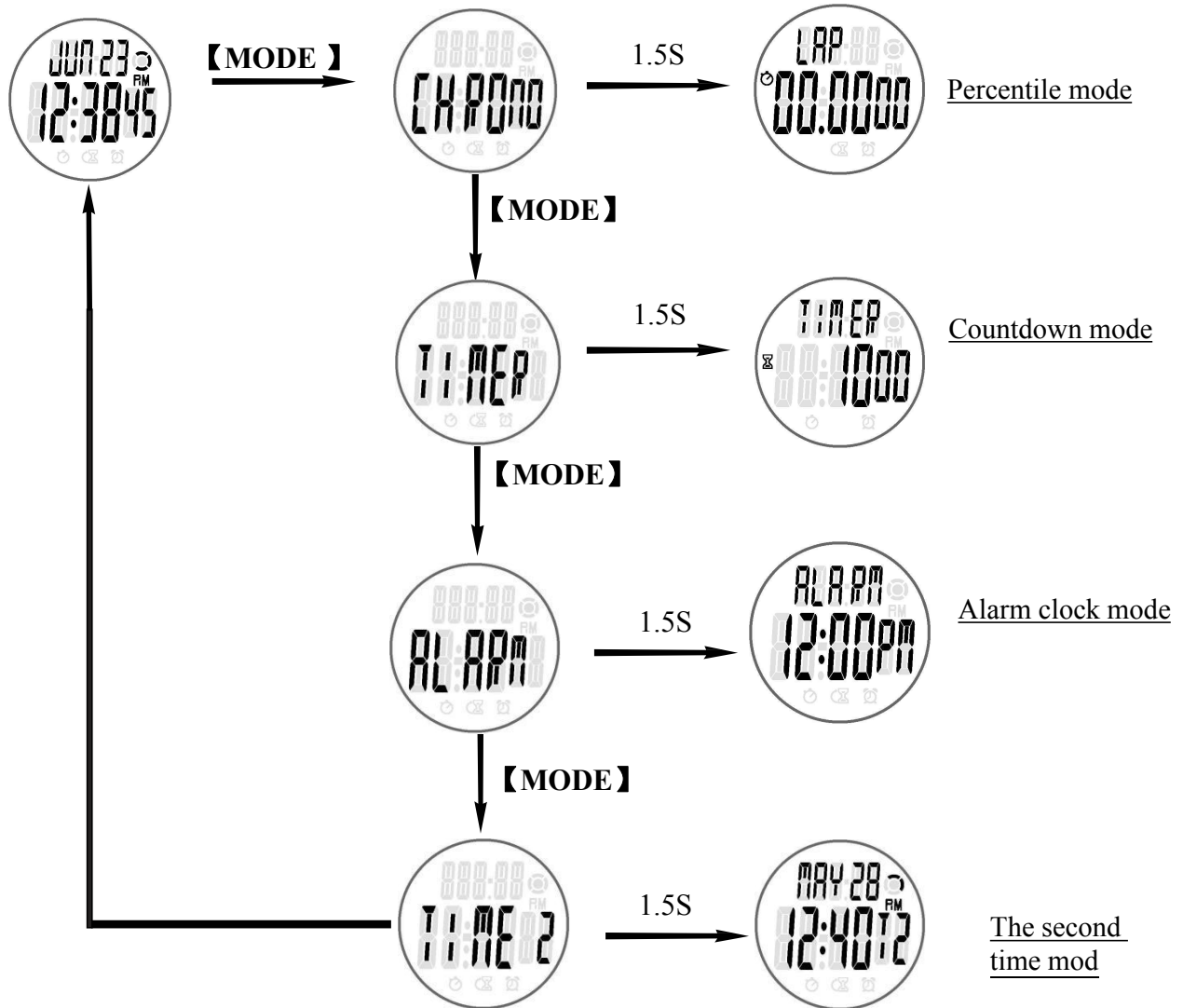
Sound self-test → full display, backlight light for 2 seconds → display software version → normal time and date display

Press the **【SET】** , **【MODE】** , **【START/STOP】** , **【LIGHT】** button at the same time for 4 seconds to reset the module software

4. Mode switching

Function mode switching by pressing **【MODE】** , as follows:

Time mode



5. Time mode operation



- Press **【MODE】** to switch to percentile second mode
- Press **【START / STOP】** to display the week, and release the button to return to time display
- Press **【SET】** to enter the time and date setting state. In the time setting state, press **【START / STOP】** to add and continuously press **【MODE】** to change the setting item:
 Hour → Minute → Second → Month → Date → Year → Hour format →
 Date Format → Hourly chime switch → Button sound switch
- In time and date mode, press **【SET】** to exit the setting state

6. Percentile second mode operation



- If stay less than 3 seconds in percentile second mode, press **【MODE】** to switch to the countdown function mode
- If stay over 3 seconds in percentile second mode, press **【MODE】** to switch back to time and date function mode
- In the reset or stop state of percentile second mode, press **【START / STOP】** to start timing of percentile second.
- In the running state of percentile second mode, press **【START / STOP】** to pause percentile second
- In the running state of percentile second mode, press **【SET】** again, it will display the current LAP or SPL time for 10 seconds. At the same time, it will start the next LAP or SPL timing in the background, and enter next LAP or SPL time display state automatically after 10 seconds.
- During the current LAP or SPL time transient display phase, press **【START / STOP】**, percentile second pause and display the new LAP or SPL time
- In the percentile second pause state, press **【SET】** to reset
- In percentile second reset state, press **【SET】** to select display (LAP) time or Total time (SPLIT)

7. Countdown-mode operation



- If stay less than 3 seconds in the countdown mode, the, press **【MODE】** to switch to the alarm function mode
- If stay over 3 seconds in the countdown mode, press **【MODE】** to switch to time function mode
- In countdown reset (preset time not zero) or pause state, press **【START / STOP】** to start the countdown running
- Press **【START / STOP】** in the countdown running state to pause the countdown
- Press **【SET】** key in the countdown pause state, the countdown reset
- Press **【SET】** in the countdown reset state to enter the countdown setting state. In the setting state, press **【START】** key, continuously press **【MODE】** key to change the setting item, the setting order is Hour → Minutes → Second → Countdown End repeat switch
- Press **【SET】** to exit the setting in the countdown setting state

8. Alarm mode operation



(Alarm turn off)

Or



(Alarm turn on)

- In alarm mode, if no key operation for three minutes, it will automatically return time and date display mode
- Stay less than 3 seconds in alarm mode, press **【MODE】** to switch to the second time function mode
- Stay over 3 seconds in alarm mode, press **【MODE】** to return to time date mode
- Press **【START / STOP】** key to open or close the alarm
- Press **【SET】** key to enter the alarm setting state. In the setting state, press **【START】** key to add and press continuously **【MODE】** to changes the setting item: Hour → Minutes → am / pm (when the time format is set to 24 hours system, no this setting item)
- Press **【SET】** in alarm setting state to save and exit the setting status

9. Second-time mode operation



- Press **【MODE】** to switch to the primary time and date mode
- The seconds of the second time coincide with the master time
- Press **【START / STOP】** to display the week, and release the return time display
- Long press **【SET】** to enter the time and date setting state. In the time setting state, press **【START / STOP】** to add and continuously press **【MODE】** to change the setting item.
The setting order is:
- Hour → Minute → Second → Month → Date → Year → Hour format
→ Date Format
- Press **【SET】** to exit the setting state in time and date setting state

10. Specification

- | | |
|-------------------------------|-----------------|
| ➤ Module size | φ 33.00 |
| ➤ Thickness (with buzzer) | 8.50 |
| ➤ Work temperature | -10°C ~60°C |
| ➤ Work voltage | 3.0V |
| ➤ Accurate accuracy | + / -30 seconds |
| ➤ Battery model and capacity | CR2025 |
| ➤ Static average current | ≤2.5 uA |
| ➤ Alarm average current | ≤12 mA |
| ➤ EL luminous average current | ≤12 mA |
| ➤ Battery life (90%) | ≥24 months |

(Light 3 seconds each time, 3 times each day, total 9 seconds each day; alarm for 20 seconds; stopwatch running for 1 hour per day.)