

LIGHT (A Key) ——— (D Key) START

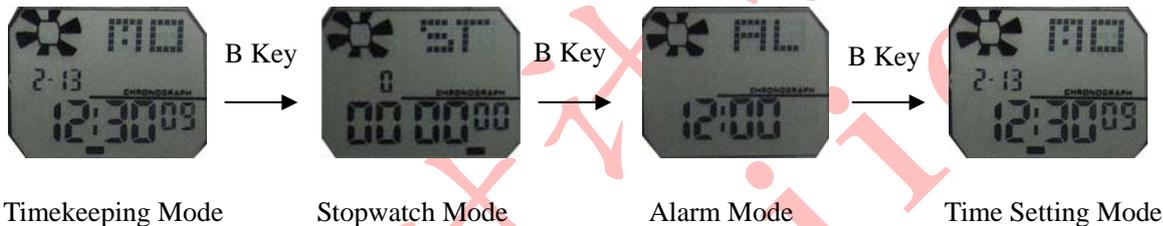
MODE (B Key) ——— (C Key) RESET



A. Features

- 12 digits LCD screen displays hour, minute, second, month, date and week.
- Daily Alarm and Hourly Time Signal.
- Snooze
- 12-hour / 24-hour format selectable.
- 1/100 second stopwatch with split functions.
- EL backlight.

B . Operational Manual



1. In any mode, EL will illuminates for 3 seconds by pressing A key, press B key to select operation mode.

2. Stopwatch mode

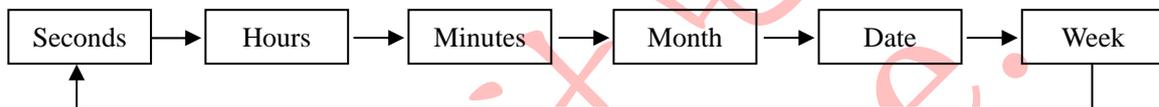
- The display range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds, when reaches its limit (23 hours, 59 minutes, 59.99 seconds), the stopwatch will automatically re-start to count from zero.
- When stopwatch is more than 59 minutes 59.99 seconds, it will display from 1 hour to 23 hours at “date” position.
- **To measure times with stopwatch:** In stopwatch mode, press D key once to start counting, then press D key again to stop counting. When it stops, seconds clear to zero by pressing C key.
- **To measure times with split time:** In stopwatch mode, press D key to start counting, and press C key to enter split time. along with “ ■ ” indicator flash to display on the screen, and press D button to stop counting, press C button to display all times of stopwatch, then stopwatch resets to zero by pressing C button.
- In stopwatch mode, press D key to start counting, and press C key to enter split time. along with “ ■ ” indicator flash to display on the screen, then press C key again to exit SPL, and press D button to stop counting, then stopwatch resets to zero by pressing C button.
- When stopwatch is running, press B key three times to return to time display mode, it will continue to run in the background.
- When at the state of split time, press B key to exit from split time, the stopwatch will continue to run in the background.

3. Alarm mode

- **To turn on / off Daily Alarm and Hourly Time Signal:** In alarm mode (“Hour” or “Minutes” not flash), press D key to turn on / off Alarm (■) and Hourly Time Signal (🔔 ■) in sequence.
- **To set alarm time:** In alarm mode, press C key , “Hours” starts flashing, press D key to adjust hours , then press C key again, “Minutes” starts flashing, and press D key to adjust minutes, press C key again to exit from setting.
- When alarm time is reached, alarm tone will sound with BB-BB for 20 seconds, alarm indicator (■) will be flashing, press B, C, D to stop alarm tone after it starts to sound.
- **Snooze function:** When alarm tone sounds, press B key to turn on snooze function, at this time, alarm tone will sounds for 20 seconds in five minutes. Press B, C, D key to stop it.

4. Time setting mode

- In time setting mode, “Seconds” starts flashing, which indicates time setting screen, press D key to adjust “ seconds” to zero, press C key to adjust setting items (flashing) in sequence as below:



- When related setting item is flashing, press D key to adjust, and press B key to exit from setting.
- When adjust “Hours”, it is 12-hour format if “A” or “P” indicator appears on the screen by pressing D key, while it is 24-hour format if “H” appears on the screen.

C. Specifications

- Module Size : $\Phi 36.20\text{mm}$
- Module Thickness (include buzzer) : 8.70mm
- Operational Temperature Range : $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Operational Voltage : 3.0V
- Accuracy : $\pm 90\text{sec/month}$
- Battery Code : CR2032(capacitance: 220m Ah)
- static average current : $\leq 2.10\mu\text{A}$ (static maximum current : 3.5uA)
- Alarm average current : $\leq 1.41\text{mA}$ (Alarm maximum current : 6.5mA)
- EL lighten average current : $\leq 8.80\text{mA}$ (EL lighten maximum current : 10.0mA)
- Battery life : ≥ 48 month(Japan Lithium)

Under the following conditions:(4 backlight operation (3 seconds) per day; 60 seconds of alarm operation per day)

	Prepared	Checked	Approved
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