LIGHT **(A Key)** ——— | ——— **(D Key)** START
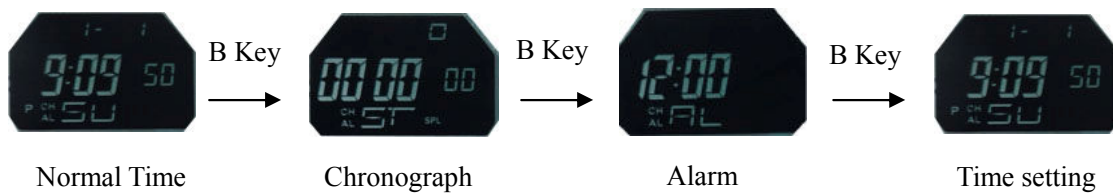
MODE **(B Key)** ——— | ——— **(C Key)** RESET

A . Features

➢ 12 Digits LCD，Hour ,Minute ,Second ,Month ,Day and Week display
➢ Daily Alarm with Snooze function
➢ Hourly Chime
➢ Hour display with 12 / 24H format selectable
➢ 1/100 second Chronograph with split function
➢ EL backlight
➢ With Solar Power as the secondary power supply

B . Operational Manual

Normal Time → B Key → Chronograph → B Key → Alarm → B Key → Time setting

1. Depress of key A under any state, EL backlight is turned on for 3s .

2. Chronograph

➢ Chronograph maximum running data: 23hours 59minutes and 59.99seconds
➢ When chronograph running is over than one hour, hour information is shown on top line.
➢ Press key D to Start/Stop chronograph running ;
➢ When chronograph is stopped, press key C will clear current running data to zero.
➢ When chronograph is running, press key C will enter /exit split display state. Icon "SPL" is used to indicate current state, "SPL" is flashing means current is in Split display state and, else it is in normal chronograph display state..
➢ When chronograph is running under split display state, depress of key B will jump to normal time display immediately, but the chronograph is still running in background .

3. Daily Alarm

➢ In Alarm mode, Press key D to turn on/off Alarm or Chime function, when Alarm is enable, icons " **AL"** and **" CH** " are used for indicate Alarm / Chime function is enable or disable.
➢ Alarm setting : In Alarm mode, long press key C will enter alarm set state, the first set item is Hour,   press of key C again will change set item to Minute, During setting, key D is used to adjust the data of current setting item, after Minute set, press key C will confirm and exit..
➢ When Alarm preset time is arrived,   Alarm Alert is on with 20 seconds BB Sound, during this alert, depress of Key B will turn on the Snooze function, after 5 minute, the alert will acted again, depression of others key will stop the alarm alert immediately.

4. Time Setting

➢ When enter time setting mode, the first set item "Second " is flashing, depress of key C will change the set item as following sequence   :
Second→ Hour → Minute → Month → Day → Day of Week

➢ During setting, key D is used for change the data of setting item, long press Key D will fast adjust the data.

➢ When setting "Hour ", character "Ｈ" display means current hour is display with ２４Ｈ format, and character "Ａ" or "Ｐ" is for １２Ｈ format .

➢ Press D key while the seconds are in the range of 30 to 59, second is reset to 00 and minute is added 1, else there is no any change of minute but second is reset.

5. Solar Power Supply

➢ Battery power is saved around 50% ~ 90% when light intensity is 200 ~ 400 Lux and solar panel is working

➢ Almost no power consumption of module battery when light intensity is over than 400 Lux,   all the power is comes from solar panel.

➢ Under dark environment (Light intensity < 100 lux),   the solar panel is not working.

C. Specifications

➢ Module Size	：	Φ36.20mm
➢ Module Thickness（include buzzer）	：	9.20mm
➢ Working Temperature Range	：	-10℃~60℃
➢ Working Voltage	：	3.0V
➢ Accuracy	：	±90sec/month
➢ Battery Code	：	CR2025(capacitance: 170m Ah)
➢ Static average current	：	≤1.70u A (static maximum current ： 4.0uA)
➢ Alarm average current	：	≤1.02m A （Alarm maximum current ： 4.0mA）
➢ EL lighten average current	：	≤8.62m A （EL lighten maximum current ： 10.0mA）
➢ Battery life（85%）	：	≥30 month(Japan Lithium)

Remark: Battery life is calculated base on following conditions: 4 times of EL backlight (3 seconds on time for each) per day; 60 seconds of alarm alert per day