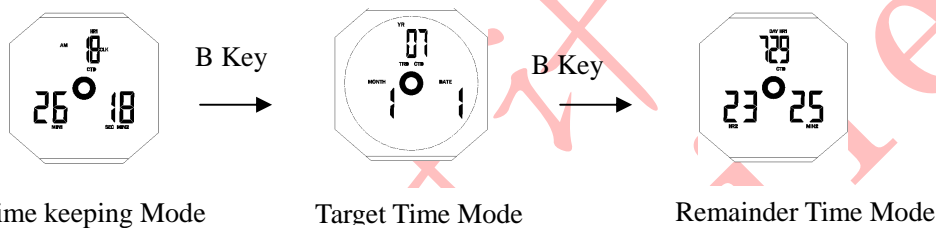


## A . Features

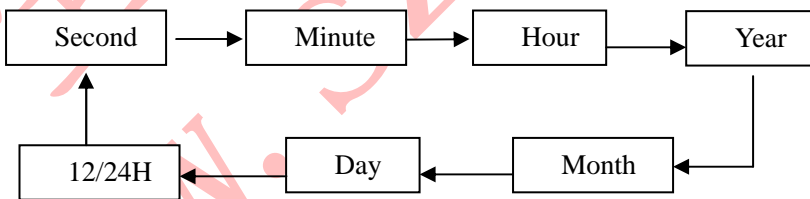
- 7 Digits LCD Display, Display Hour ,Minute ,Second ,Year,Month ,Day (The year could be set in the range of 2000 to 2099)
- Target date display in year, month and date only. (The year could be set in the range of 2000 to 2099)
- Remainder time(Day, hour and minute), max value is 999 day 23 hour and 59 minute on the LCD display.
- Target date is time's up, it will be give alarm time for 30 seconds.
- 12 / 24H format selectable

## B . Operational Manual



### 1. Time keeping Mode

- In the time keeping mode, it display the hour (12 or 24 hour format by user selectable), minute and second. Press the A key to shown the year, month and date and release the A key to return the hour, minute and second display. If press A key > 2 second, it will be enter the time keeping setting.
- Time Setting:
  - a). In the Timekeeping Mode. Hold down A key until the seconds start to flash, which indicates the setting screen.
  - b). Use B key to move the flashing in the sequence shown below to select other settings shown.



c).When the setting you want to change is flashing, press D key /C key to change it as described below

change this setting	Perform this button operation
Seconds	Press D key/ C key to reset to 00.
Hour, Minutes, Year, Month, Day	Press D key to increase the setting. Press C key to decrease the setting.
12/24H	Press D key /C key to change 12 / 24 hour format.

d).Pressing D key /C key while the seconds are in the range of 30 to 59 resets them to 00 and adding one

- minute in the time. In the range of 00 to 29, the time is unchanged.
- e). Press A key to exit the setting screen and update the remainder time automatically. The year can be set in the range of 2000 to 2099.
  - f). 12-hour and 24-hour timekeeping: With the 12-hour format, the P (PM) indicator appears to the left of the hour digits for times in the range of noon to 11:59 p.m. and the A (AM) indicator appears to the left of the hour digits for times in the range of midnight to 11:59 a.m., With the 24-hour format, times are displayed in the range of 0:00 to 23:59, without any indicator.

## 2. Target Time:

- In the target time mode, it display the year, month and date.
- To set the target time:
  - a). In the target time mode, press and hold the A key until the seconds start to flash, which indicates the setting screen.
  - b). Use B key to move the flashing in the sequence shown below to select other settings shown.



change this setting	Perform this button operation
Year, Month, Day	Press D key to increase the setting. Press C key to decrease the setting.

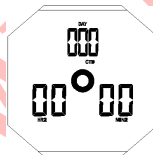
- c). Press A key to exit the setting screen and update the remainder time automatically. The year can be set in the range of 2000 to 2099.

## 3. Remainder Time

- User could be view remainder time. The LCD will display remainder of day, hour and minute. It will shown the day, hour and minute on the LCD at remainder time is less than 999day, 23 hour and 59 minute. Target date is time's up, it will be give alarm time for 30 seconds.
- Following display at more than 999day, 23 hour and 59 minute.



- Following display at target day passed.



### C. Specifications

- Module Size :  $\Phi 33\text{mm}$
- Module Thickness : 7.95mm
- Operational Temperature Range :  $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Operational Voltage : 3.0V
- Accuracy :  $\pm 90\text{sec/month}$
- Battery Code : CR2016
- Current Consumption for Digit :  $\leq 2.5 \mu\text{A} (\text{T}=25^{\circ}\text{C})$
- Alarm Current :  $\leq 2.5 \text{mA}$
- EL Current :
- Battery life : 28 month (Japan Lithium)

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	Prepared	Checked	Approve
Name	罗映刚	韦章龙	刘成恒
Date	05/11/07	05/11/07	05/11/07