BJ3074 MOVEMENT INSTRUCTION

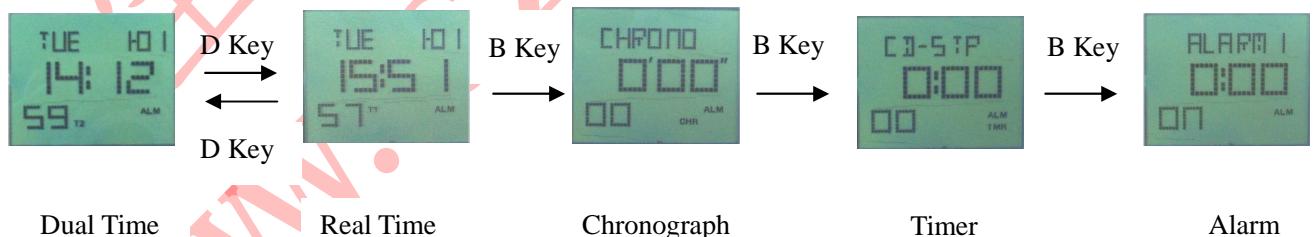LIGHT/SET （A Key） ——— [display] ——— （D Key） START/STOP

MODE （B Key） ——— ——— （C Key） RESET

A . Features

➢ Auto calendar and day of week for the range of 1, Jan, 2000 to 31, Dec, 2099.

➢ Month-day or day , month display format .

➢ 12/24 hours display format .

➢ Dual time display with ±23 hours time different .

➢ Chime on/off function

➢ 10-laps chronograph with resolution of 59 minutes, 59.99 seconds for counting less than 1 hour and up to 23 hour 59 minute 59 seconds afterwards .

➢ Count-down stop, count-down repeat or count-down up timer with preset value up to 23 Hour, 59 minute, 59 seconds .

➢ 4 independent daily alarms .

➢ Mode change animation .

➢ Graphical animation for the real time second , chronograph and timer running display .

➢ Auto EL (light mode)function .
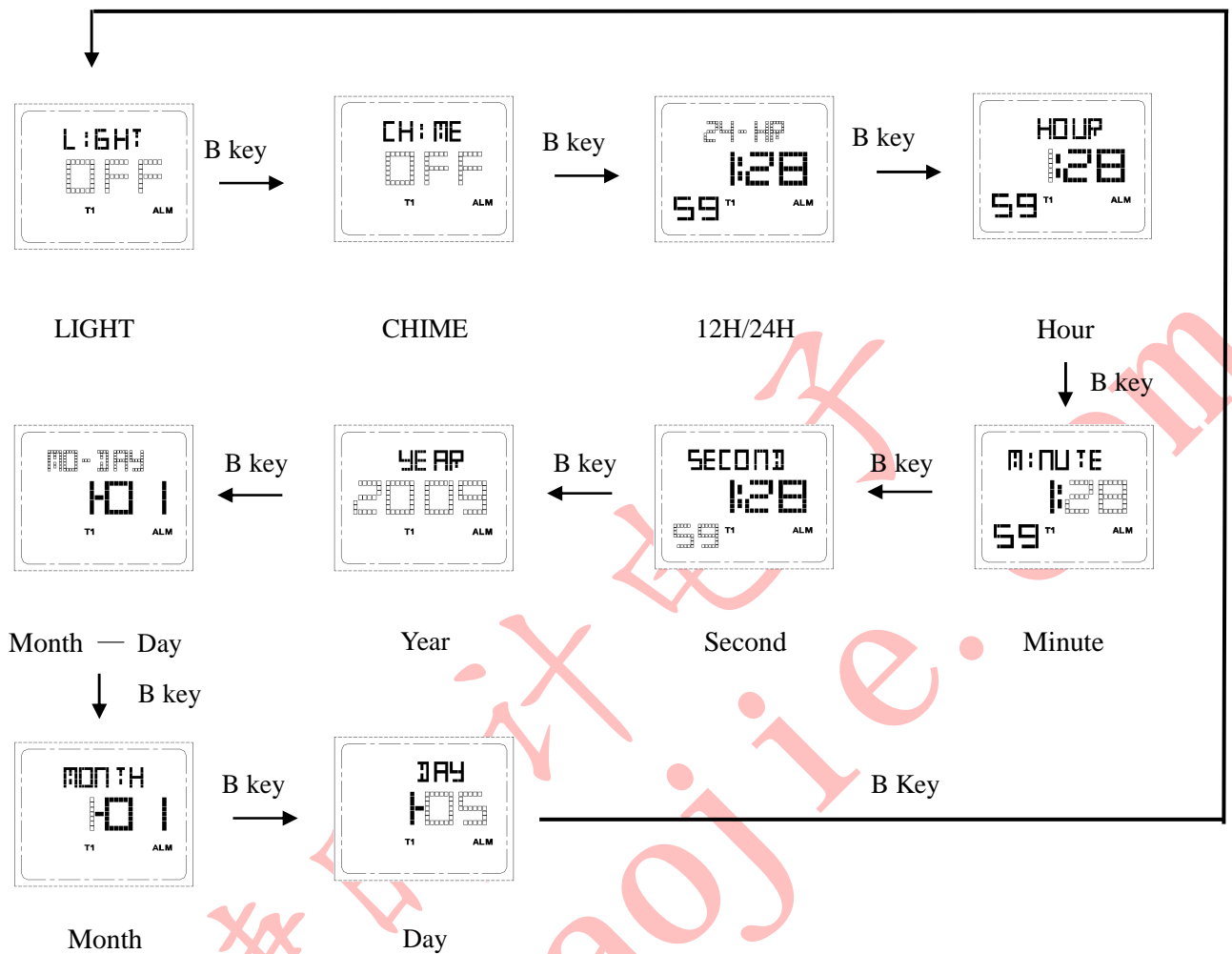
➢ EL backlight

B . Operational Manual

[Dual Time] →D Key← [Real Time] →B Key→ [Chronograph] →B Key→ [Timer] →B Key→ [Alarm]

Dual Time   Real Time   Chronograph   Timer   Alarm

1. **At any state ,press A key EL backlight for 3s .**

2. **Real Time Setting Mode**

➢ In the Timekeeping Mode, Press C key to turn on/off key tone （"KET"）.

➢ If time l is displaying, pres and hold A for 2 seconds to enter the time setting. Getting into the setting mode, " LIGHT " will be set if 4 keys option is used. Otherwise, " CHIME " will be set first.

➢ Press B to change the setting item:

LIGHT	CHIME	12H/24H	Hour

LIGHT → B key → CHIME → B key → 12H/24H → B key → Hour

Hour → B key → Minute

Month — Day	Year	Second	Minute

Month — Day ← B key ← Year ← B key ← Second ← B key ← Minute

Month — Day → B key → Month

Month	Day

Month → B key → Day → B Key

- ➤ Press D/C to increase/decrease the setting value.
- ➤ If D or C key has be pressed and held for 2 sec., auto advance function will be activated.
- ➤ Press A to exit the setting mode.
- ➤ If there is no key operation for 30 second, setting mode will be exit and returned to real time display mode.

3. Dual Time

- ➤ If time2 is displaying, press and hold A for 2 seconds to enter the time2 2setting mode.
- ➤ Time different between T2 and T1 will be set.
- ➤ Press D/C to increase/decrease the value.
- ➤ Range of the time different is ±23H.
- ➤ Press A to exit the setting mode.
- ➤ If there is no key operation for 30 second, setting mode will be exit and returned to real time display mode.

4. Chronograph Mode

- ➤ The display range of the Chronograph is 23 hours ,59 minutes ,59.99 seconds.
- ➤ Press D key to Start/Stop the chronograph.

- ➢ Press C key to split/reset the chronograph.
- ➢ Will be shown on if chronograph is not running.
- ➢ Will be flashing in all modes if chronograph is running.
- ➢ Press B to change into timer mode.
- ➢ Press A to recall the memory if chronograph is stopped.
- ➢ Press A to view the next lap.
- ➢ Press B to get into timer mode.
- ➢ Press D or C to exit recall mode and go back to chronograph mode.
- ➢ There are total of 10 lap memories.
- ➢ Lap " L " (Last) will be shown if lap number ＞9. The last lap memory will be overwritten by the latest lap whereas the first 9 laps will be kept unchanged.
- ➢ If there is no key operation for 30 sec., and chronograph is not running, real time mode will be retrieved.

5. Timer mode

- ➢ The display range of the timer is 23hour 59minute 59 second.
- ➢ There are three different modes of timer:
   a) Count down — stop
   b) Count down — repeat
   c) Count down — and up
- ➢ Will be flashing if counter is counting down.
- ➢ Will be flashing if counter is counting up.
- ➢ Press D to start/stop the timer counting.
- ➢ Press C to reset the counter to the preset value if timer is stopped.
- ➢ Press B to change into alarm mode.
- ➢ Press B to turn on the EL if 4 keys option is used.
- ➢ If A is held for 2 seconds, timer's setting mode will be entered.
- ➢ Timer alarm will be output at 2 beeps per second.
- ➢ Timer alarm will be output for 30 seconds if timer is counted down to zero normally.
- ➢ If preset value is less than 1 min. and count down repeat is selected, timer alarm will output for 1 second only each time the timer counted down to zero.
- ➢ Timer will be stopped and reset automatically with alarm sounds for 30 sec., if repeat counter counted up to 100.
- ➢ Timer will be stopped and reset with alarm sounds for 30 seconds if timer counted up to overflow (＞ 23H59M59S).

Timer Setting Mode

- ➢ Press B to cycle around the setting item.
- ➢ Timer – type, hour, minute, second and back to timer – type again.
- ➢ Press D/C to increase/decrease the setting value.
- ➢ Press A to exit the setting.
- ➢ If there is no key operation for 30 seconds, setting mode will be exit automatically.

6. Alarm Display Mode

➢ Press D to select the alarm.
➢ Press C to enable/disable the alarm.
➢ Press B to change to time mode again.
➢ Press A to turn on the EL if 4 keys option is used.
➢ If A is held for 2 seconds, alarm setting mode will be entered.
➢ If A there is no key operation for 30 seconds, time mode will be retrieved automatically.
➢ Alarm (4 beeps per second) will be output for 30 sec. If alarm time is arrival and alarm is enabled.
➢ Press any key to stop to alarm.

ALARM SETTING MODE

➢ Press B to select between hour or minute setting.
➢ Press D/C to increase/decrease the setting value.
➢ Press A to exit the setting.
➢ Alarm will be enabled automatically if there is any change in hour or minute.
➢ If there is no key operation for 30 seconds, setting mode will be exit automatically.

C. Specifications

➢ Module Size ： 28*25mm
➢ Module Thickness（include buzzer）： 7.60mm
➢ Operational Temperature Range ： -10℃~60℃
➢ Operational Voltage ： 3.0V
➢ Accuracy ： ±60sec/month
➢ Battery Code ： CR2016(capacitance: 90m Ah)
➢ static average current ： ≤3.54u A (static maximum current ： 4.5uA)
➢ Alarm average current ： ≤0.71m A （Alarm maximum current ： 5.0mA）
➢ EL lighten average current ： ≤8.14m A （ELlighten maximum current ： 10.0mA）
➢ Battery life ： ≥18 month(Japan Lithium)

（Battery life calculate according to EL lighten four time each day for 3 second each time , alarm foe 60 seconds each day）

	Prepared	Checked	Approve
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