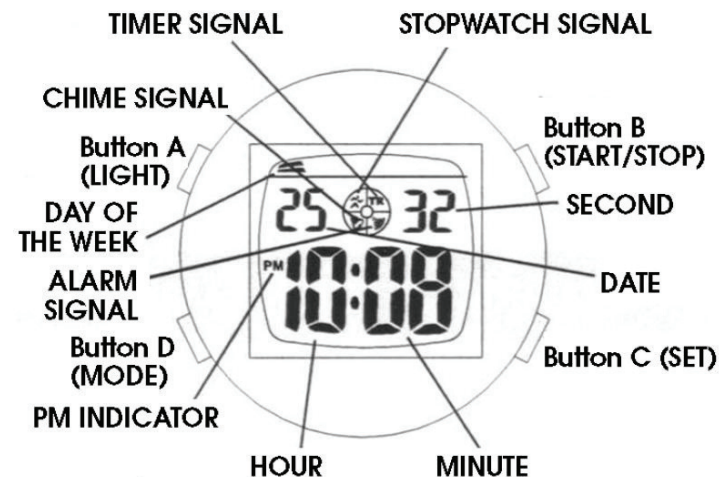# Instruction Manual

L LORUS

CAL. Z013 (R23 SERIES)

## ■ CHARACTERISTICS

1. **Time/Calendar Display:** Hour, minute, second, month, date and day of the week
2. **Time Indication:** Choice of 12-hour display format with PM indicator or 24-hour display format is available.
3. **Stopwatch:** The stopwatch can measure up to 23 hours 59 minutes and 59 seconds in 1/100-second increments. Lap time measurement is available.
4. **Timer:** The countdown timer can be set up to 23 hours 59 minutes and 59 seconds.
5. **Alarm:** The alarm can be set to sound at the designated time on a 24-hour basis.
6. **Second Time Zone:** Time in a different time zone can be displayed.
7. **Chime:** The chime can be set to sound every hour on the hour with a single beep.
8. **Illuminating Light:** The built-in electro-luminescent (EL) light evenly illuminates the display for easy viewing in darkness.

■ BUTTONS AND DISPLAYS

- TIMER SIGNAL
- STOPWATCH SIGNAL
- CHIME SIGNAL
- Button A (LIGHT)
- Button B (START/STOP)
- DAY OF THE WEEK
- SECOND
- ALARM SIGNAL
- DATE
- Button D (MODE)
- Button C (SET)
- PM INDICATOR
- HOUR
- MINUTE

To change the display mode, press Button D. The display mode changes in the following order.

TIME/CALENDAR → STOPWATCH → ALARM → TIMER → SECOND TIME ZONE
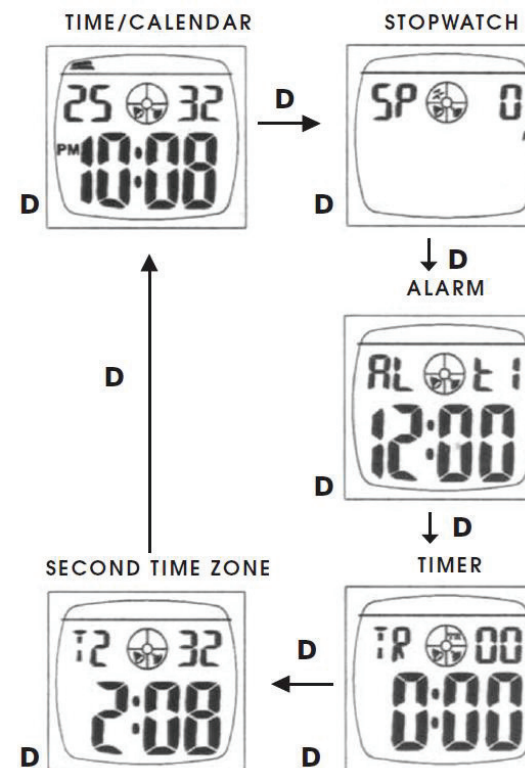
■ HOW TO SET THE TIME/CALENDAR

1 Press Button C for 2 seconds to change the display to the TIME/CALENDAR SETTING mode. (The second digits start flashing.)

2 **<Second setting>**
   Press Button B in accordance with a time signal. The second digits are reset to "00" and start counting immediately.
   When the second digits count any number from "30" to "59" and Button B is pressed, one minute is added and the seconds are immediately reset to "00."

3 Press Button D to confirm the second setting and move on to the next item.
   Selection of the item to be adjusted (flashing) is made in the following order when Button D is pressed.
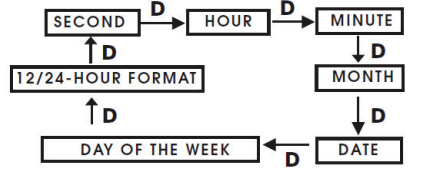
4 To set the digits for each item, press Button B to set the digits. One digit (flashing) is increased with each pressing of Button B. To move the digits quickly, keep the Button pressed.

5 After all the adjustments are completed, press Button C to return to the TIME/CALENDAR mode.
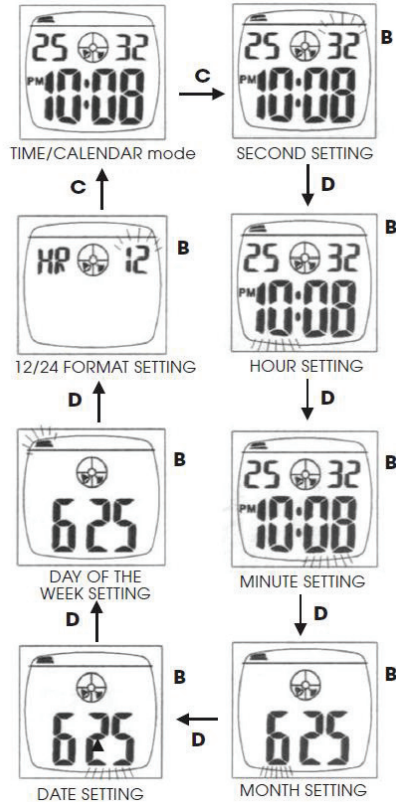
Choice of 12-Hour/24-Hour format

- The time display format in either 12-hour indication or in 24-hour indication can be selected alternately by pressing Button B. Under the 12-hour indication format, "PM" mark appears in the afternoon, but no AM mark appears in the morning. Under the 24-hour indication format, no mark appears on the display.
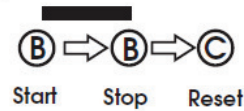
■ HOW TO USE THE STOPWATCH

Press Button D to go to the STOPWATCH mode. The STOPWATCH mode indicator appears on the display.
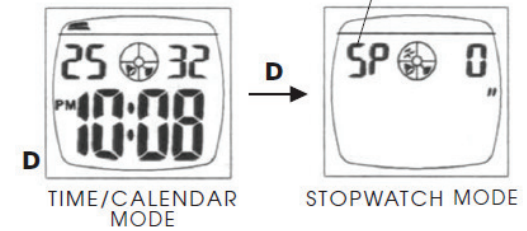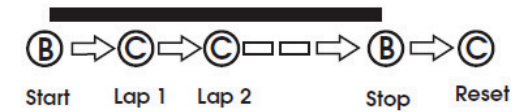

STOPWATCH OPERATION

| Standard Measurement |

| Lap Time Measurement |

* Measurement and release of lap times can be repeated when Button C is pressed.

* When Button C is pressed, the display changes to show the current lap time and total time from START for 3 seconds, and then it automatically returns to show the ongoing measurement.
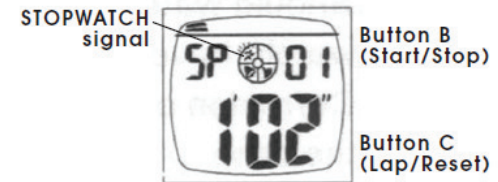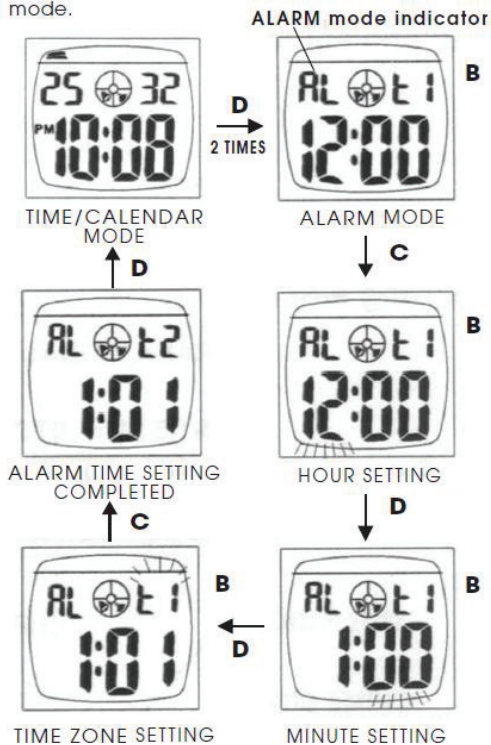

During the measurement, the STOPWATCH signal keeps flashing.
Press Button D to return to the TIME/CALENDAR mode.

■HOW TO USE THE ALARM

Press Button D two times to go to the ALARM mode. The ALARM mode indicator appears on the display.

1. Press Button C for 2 seconds to change the display to the ALARM SETTING mode. The hour digits start flashing.
2. Press Button B to set the hour digits. One digit (flashing) is increased with each press of Button B. To move the digits quickly, keep the Button pressed.
3. Press Button D to confirm the hour setting and move on to the minute setting. The minute digits start flashing.
4. Press Button B to set the minute digits. One digit (flashing) is increased with each press of Button B. To move the digits quickly, keep the Button pressed.
5. Press Button D to confirm the minute setting and move on to the time zone setting.
6. Press Button B to select the time zone.
7. Press Button C to complete the alarm setting.

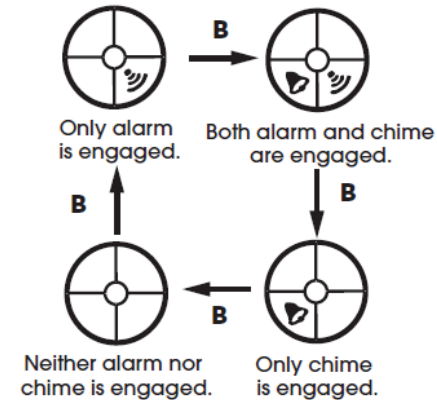Press Button D to return to the TIME/CALENDAR mode.

mode.

Note: The alarm can be set only in one time zone.

How to stop the alarm while sounding

The alarm sounds for 10 seconds at the designated time. To stop it manually while sounding, press any Button.

■ENGAGEMENT/DISENGAGEMENT OF THE ALARM & CHIME

1. Press Button D two times to go to the ALARM mode.
2. With each press of Button B, the alarm and chime can be engaged or disengaged in the following order. The ALARM singal and/or CHIME signal appear on the display accordingly.
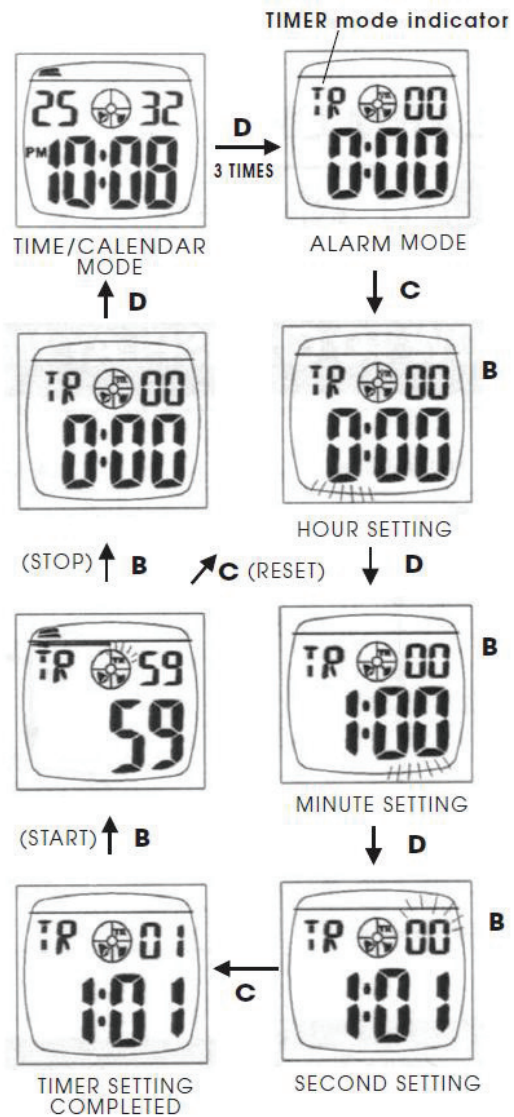

3. Press Button D to return to the TIME/CALENDAR mode.

■HOW TO USE THE TIMER

Press Button D three times to go to the TIMER mode. The TIMER mode indicator appears on the display.

1. Press Button C for 2 seconds to change the display to the TIMER SETTING mode. The hour digits start flashing.
2. Press Button B to set the hour digits. One digit (flashing) is increased with each pressing of Button B. To move the digits quickly, keep the Button pressed.
3. Press Button D to confirm the hour setting and move on to the minute setting. The minute digits start flashing.
4. Press Button B to set the minute digits. One digit (flashing) is increased with each pressing of Button B. To move the digits quickly, keep the Button pressed.
5. Press Button D to confirm the minute setting and move on to the second setting. The second digits start flashing.
6. Press Button B to set the second digits. One digit (flashing) is increased with each pressing of Button B. To move the digits quickly, keep the Button pressed.
7. Press Button C to complete the timer setting.

TIMER mode indicator

25 ⊕ 32
PM 10:08
TIME/CALENDAR MODE

→ **D** 3 TIMES →

TR ⊕ 00
0:00
ALARM MODE

↑ **D**

↓ **C**

TR ⊕ 00
0:00

B

TR ⊕ 00
0:00
HOUR SETTING

(STOP) ↑ **B**   ↗ **C** (RESET)   ↓ **D**

TR ⊕ 59
59

B

TR ⊕ 00
1:00
MINUTE SETTING

(START) ↑ **B**   ↓ **D**

TR ⊕ 01
1:01
TIMER SETTING COMPLETED

← **C** ←

TR ⊕ 00
1:01
SECOND SETTING

B

TIMER OPERATION

Ⓑ ⇒ Ⓑ ⇒ Ⓒ

Start   Stop   Reset
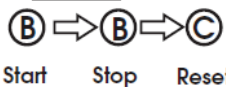
1. Press Button B in the TIMER mode to start the timer.
2. Press Button B to stop the timer.
3. To reset the timer, press Button C.

Press Button D to return to the TIME/CALENDAR mode.
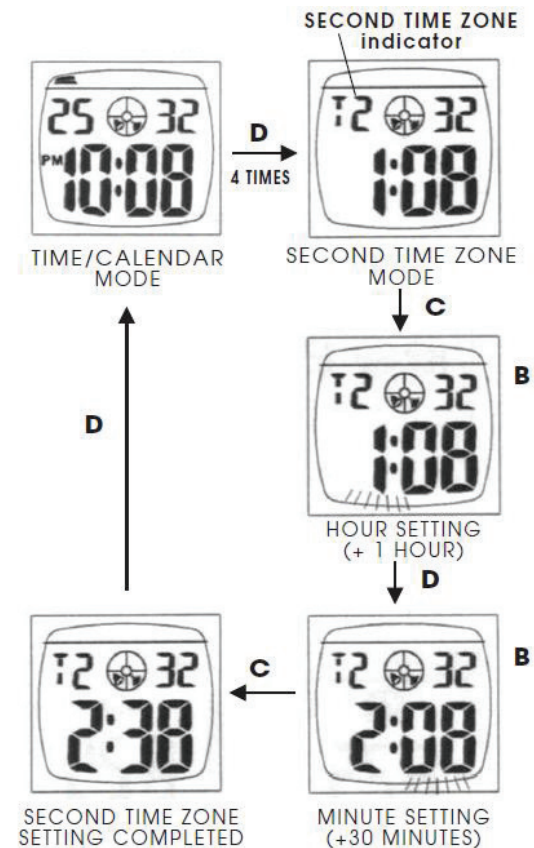

■ HOW TO SET THE SECOND TIME ZONE

Press Button D four times to go to the SECOND TIME ZONE mode. The SECOND TIME ZONE mode indicator appears on the display.

1. Press Button C for 2 seconds to change the display to the TIME ZONE SETTING mode. The hour digits start flashing.
2. Press Button B to set the hour digits. One digit (flashing) is increased with each press of Button B. To move the digits quickly, keep the Button pressed.
3. Press Button D to confirm the hour setting and move on to the minute setting. The minute digits start flashing.
4. Press Button B to set the minute digits. The minute digits are increased in 30-minute increments.
5. Press Button C to complete the second time zone setting.

Press Button D to return to the TIME/CALENDAR mode.

SECOND TIME ZONE indicator

25 ⊕ 32
PM 10:08
TIME/CALENDAR MODE

→ **D** 4 TIMES →

T2 ⊕ 32
1:08
SECOND TIME ZONE MODE

↑ **D**

↓ **C**

T2 ⊕ 32
1:08
B
HOUR SETTING (+ 1 HOUR)

↓ **D**

T2 ⊕ 32
2:08
B
MINUTE SETTING (+30 MINUTES)

← **C** ←

T2 ⊕ 32
2:38
SECOND TIME ZONE SETTING COMPLETED

■ ILLUMINATING LIGHT

In any mode press Button A to illuminate the display for about 4 seconds.

Note:

1. The backlight of the watch employs an electro-luminescent (EL) light, which tends to lose illuminating power after very long use.
2. The illumination provided by backlight may be hard to see when viewed under direct sunlight.

■ BATTERY CHANGE

The miniature battery SEIKO CR2016, Maxell CR2016 or SONY CR2016 which powers your watch should last approximately 2 years. However, because it is inserted at the factory, the actual life of the battery once in your possession may be less than 2 years.
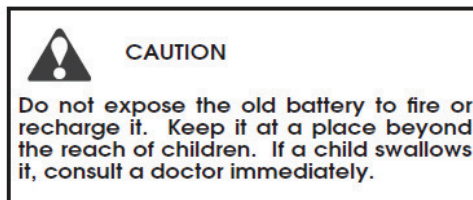
Be sure to replace the battery to prevent any possible malfunction as soon as it runs down. To replace the battery we recommend taking the watch to a local watch repair shop.

Note: If the alarm is used for more than 20 seconds a day and/or the illuminating light for more than 8 seconds a day, the battery life may be less than the specified period.

■ CARE OF YOUR LORUS WATCH

This watch contains precise electronic components. Never attempt to open the case or remove the back cover.

• **BATTERY**

> ⚠ **CAUTION**
>
> **Do not expose the old battery to fire or recharge it. Keep it at a place beyond the reach of children. If a child swallows it, consult a doctor immediately.**

• WATER RESISTANT

Condition of use — Indication on the dial/case back	Accidental contact with water, such as splashes and rain	Swimming and taking a shower	Skin diving	Scuba diving
No Indication	NO	NO	NO	NO
WATER RESISTANT	YES	NO	NO	NO
WATER RESISTANT (50M/5 BAR)	YES	YES	NO	NO
WATER RESISTANT (100M/10 BAR or above)	YES	YES	YES	NO

* If your watch is 200 M/20 BAR, 100 M/10 BAR or 50 M/5 BAR water resistant, it is so indicated on the dial/case back.
* Do not operate the buttons when the watch is wet.
* If the watch is exposed to salt water, rinse it in fresh water and then wipe it thoroughly dry.
* Should you find any water or condensation inside the watch, immediately have it checked. Water can corrode electric parts inside the case.

Caution:

Leather straps are not water resistant except so indicated, even if the watch head is water resistant.

• **ALLERGIC REACTION**

Because the case and band touch the skin directly, it is important to clean them regularly. If not, shirt sleeves may be stained and those with delicate skin may develop a rash. Please wear the watch with some play to avoid any possible allergic reaction. If you develop a rash on your wrist, stop wearing and consult a physician.

• **MAGNETISM**

Your watch will not be affected by magnetism generated by household electric appliances.

• **SHOCKS AND VIBRATIONS**

Your watch may be worn for normal sports activities, but be careful not to drop it or hit it on hard surfaces.

• **TEMPERATURE**

Your watch is preadjusted so that constant accuracy may be insured at normal temperature.

• **CLEANING**

Use only a soft cloth and clean water for cleaning your watch. Never use chemicals, as the waterproof gasket will corrode.

■ SERVICE

When your LORUS watch requires repair or servicing, please see the enclosed WARRANTY/GUARANTEE.

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