PULSAR

CAL. Y911
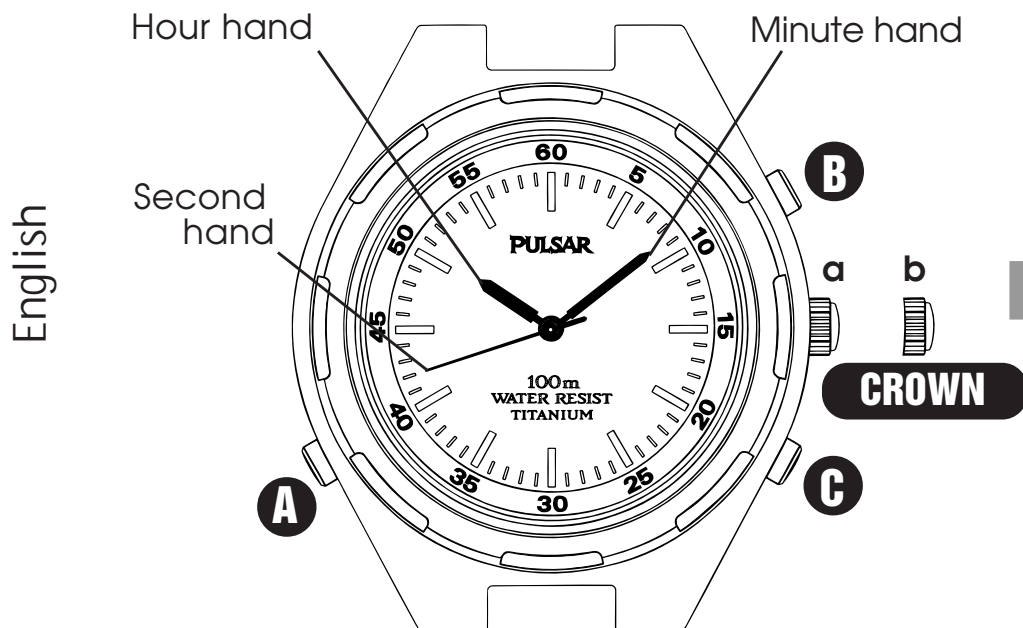## WITH "WHITE-ON" DISPLAY

★ **"WHITE-ON" display**

> A newly-developed transparent liquid crystal panel called "WHITE-ON" display is provided over the analogue dial. It shows white characters clearly without blocking the view of the hands and dial, and various digital displays can be turned on and off as you require. The watch, therefore, serves as a multi-function digital watch as well as being an analogue watch.

● **Analogue time and digital calendar**
● **Single-time alarm**
● **3-channel regular alarm**
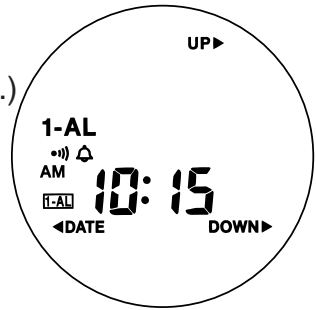● **Stopwatch with 20 lap/split memory**

DISPLAY AND MODE CHANGE

Digital display turned off

English

Hour hand

Second hand

Minute hand

B

PULSAR

100m
WATER RESIST
TITANIUM

a   b

CROWN

A

C

Press any one of the buttons.

a: **Normal position** : **Free**
b: **Extended position** : **Time setting**

2

SINGLE-TIME ALARM mode

(Press **A** once.)
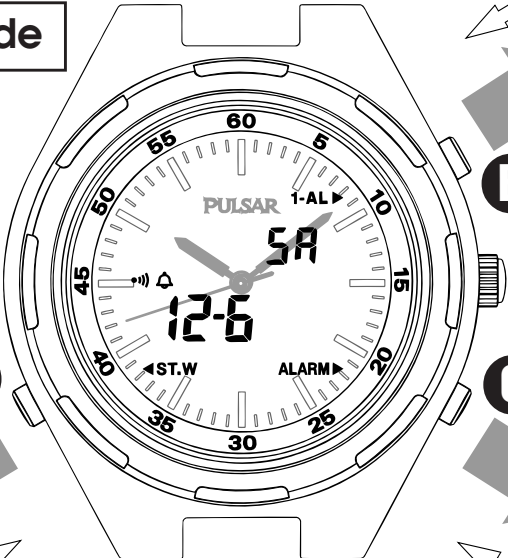
1-AL
•))) ♪
AM
1-AL **10:15**
◄DATE   DOWN►

UP►

CALENDAR mode

B Press

Press **A**

PULSAR
1-AL►
•))) ♪
5A
12-6
◄ST.W   ALARM►

C Press

STOPWATCH mode

START/STOP►
ST.W
SPLIT **00**
•))) ♪
0'00"00
◄RECALL   LAP↔SPLIT►

(Press **A** twice.)

REGULAR ALARM mode

(Press **A** 4 times.)

ALARM   SELECT►
On
•))) ♪
AM
7:00 - 1
◄CH.

English

3
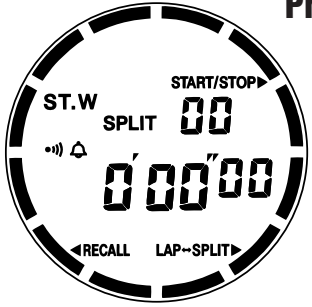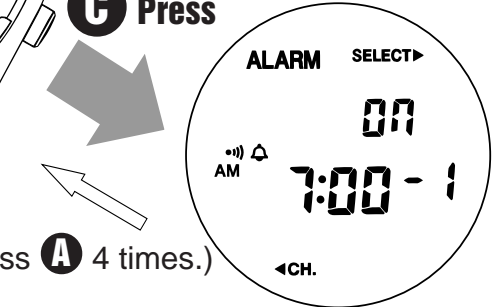
SCREW DOWN CROWN

[for models with screw down crown]

Unlocking the crown
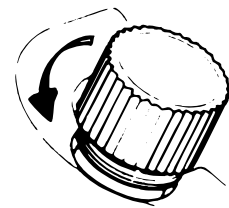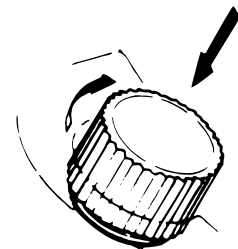
1 Turn Crown counterclockwise until you no longer feel the threads turning.

2 Crown can be pulled out.

Locking the crown

1 Push Crown back in to normal position.

2 Turn Crown clockwise while pressing it lightly until tight.

4

TIME/CALENDAR SETTING

● Set the analogue and digital times at the same time.

CROWN ▼ Pull out when Second hand is at the 12 o'clock position.

B ▼ Select the digits to be adjusted.✱

C ▼ Set the flashing digits.

CROWN ▼ Turn to set Hour and Minute hands to the digital time.

CROWN Push back in accordance with a time signal.

SELECT▶

PULSAR

AM **10:08**

SET▶

B

C

A

English

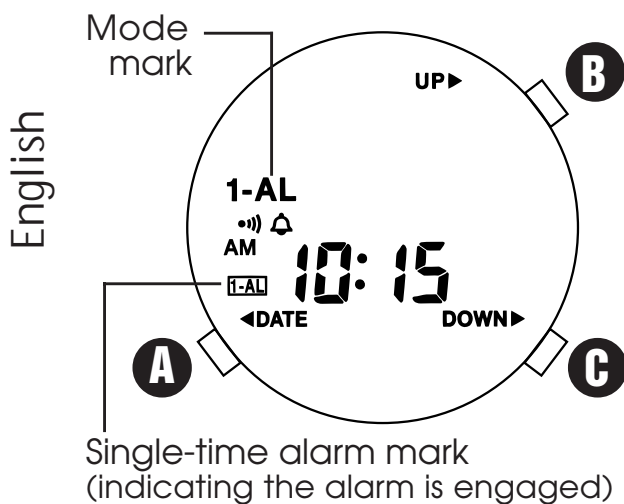✱ **Selection of the digits**

Minutes ➢ Hour ➢ Year ➢ Month ➢ Date

5

SINGLE-TIME ALARM MODE

● The alarm time can be set to ring within 24 hours of the current time.
● The alarm rings once at a designated time and is automatically disengaged thereafter.

ALARM TIME SETTING

Mode mark

UP▶

B

1-AL

•))) 🔔
AM

1-AL **10:15**

◀DATE   DOWN▶

A   **C**

Single-time alarm mark
(indicating the alarm is engaged)

B
▼

Press in CALENDAR mode to show SINGLE-TIME ALARM mode.

B or **C**

Set the alarm time.

▼

A

Return to CALENDAR mode.

* At the designated time, the alarm rings for 20 seconds. To stop it manually, press any one of the buttons.

● **To disengage the alarm:**

B and **C**   In SINGLE-TIME ALARM mode, press at the same time.

6

REGULAR ALARM MODE

● Three regular alarms can be set one by one to the desired alarm times. They can be engaged and disengaged independently of one another.

DISPLAY CHANGE IN REGULAR ALARM MODE

C Press in CALENDAR mode to show REGULAR ALARM mode.

▼

A With each press, the display changes in the following order.

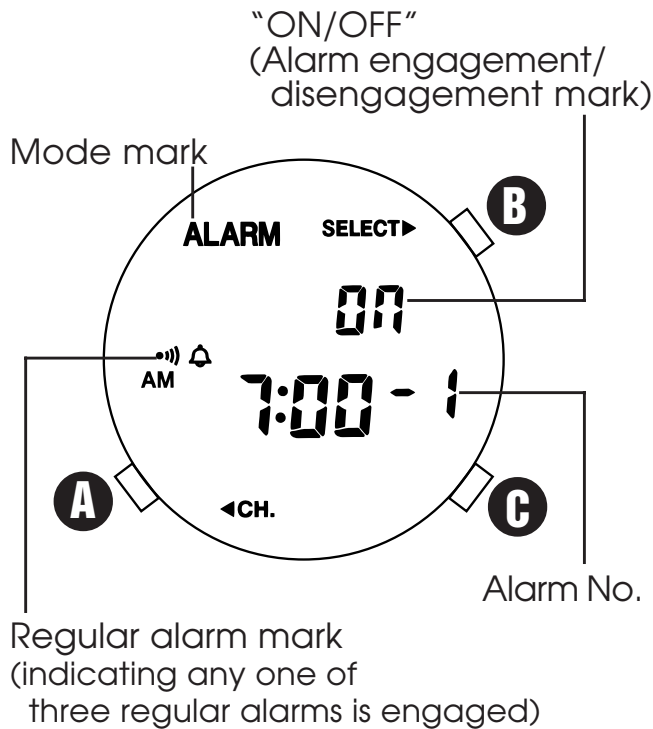ALARM-1 ≽ ALARM-2 ≽ ALARM-3 ≽ HOURLY TIME SIGNAL

∨

CALENDAR mode

English

ALARM TIME SETTING

A In REGULAR ALARM mode, select the desired alarm display.

▼

7

"ON/OFF"
(Alarm engagement/
disengagement mark)

Mode mark

ALARM SELECT▶ **B**

ON

•))) ♩
AM

7:00 - 1

A ◀CH. **C**

Alarm No.

Regular alarm mark
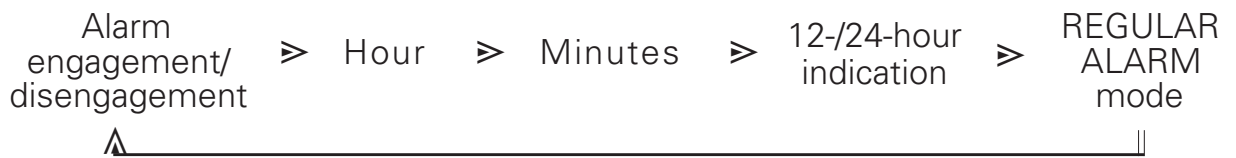(indicating any one of
three regular alarms is engaged)

B Show ALARM SETTING
display.
▼
B Select the digits to be
adjusted.✱
▼
C Set the flashing digits.
▼
B Return to REGULAR ALARM
mode.

*At the designated time, the alarm rings
for 20 seconds. To stop it manually,
press any one of the buttons.

✱ **Selection of the digits**

Alarm
engagement/ ➢ Hour ➢ Minutes ➢ 12-/24-hour ➢ REGULAR
disengagement   indication   ALARM
                                                           mode

8

TURNING ON/OFF OF HOURLY TIME SIGNAL

ALARM SELECT▶

B

●))) ♫

ON

◀DATE

A

Hourly time signal mark

A
▼
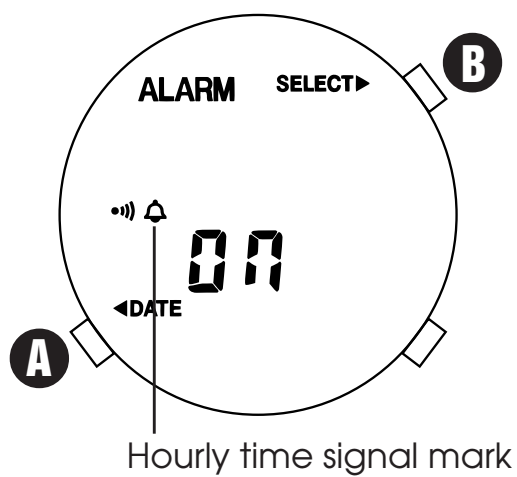
In REGULAR ALARM mode, press to select HOURLY TIME SIGNAL display.

B
▼

With each press, hourly time signal is turned on and off alternately.

A
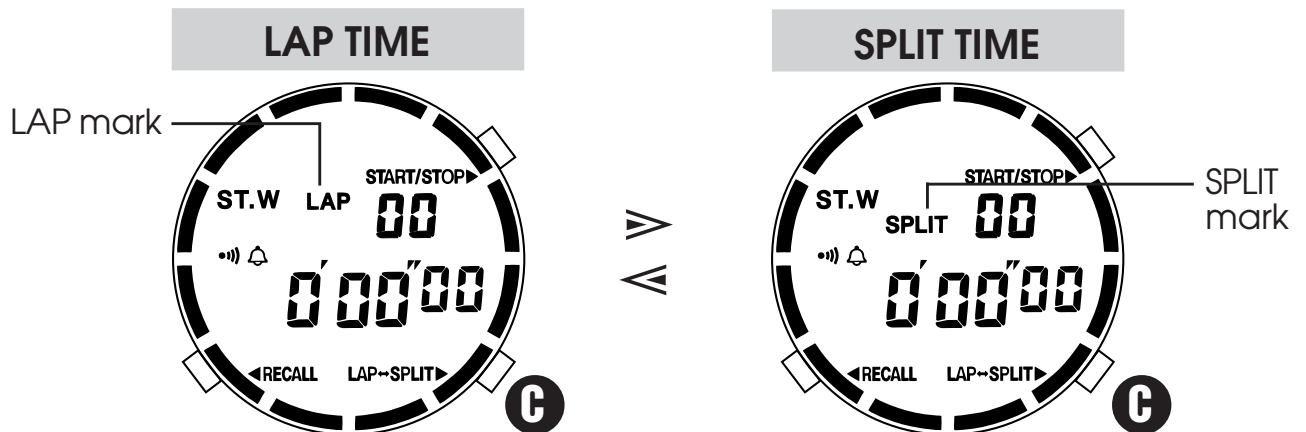
Return to CALENDAR mode.

English

9

STOPWATCH MODE

● The stopwatch measures up to 12 hours in 1/100-second increments for the first 60 minutes and in 1-second increments thereafter.
● Up to 20 sets of lap and split times can be stored in memory for later recall.
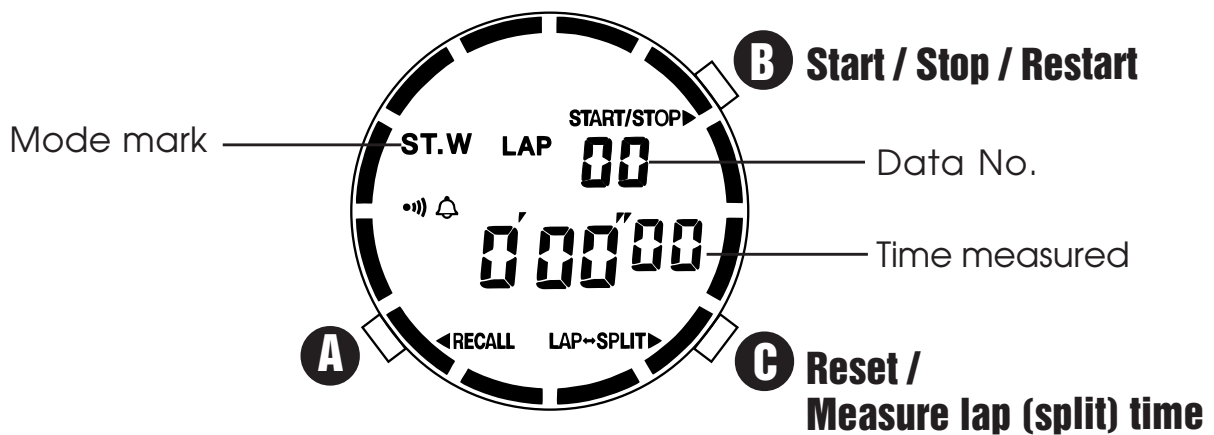
DISPLAY SELECTION IN STOPWATCH MODE

A   Press in CALENDAR mode to show STOPWATCH mode.

▼

C   With each press, the display changes alternately.

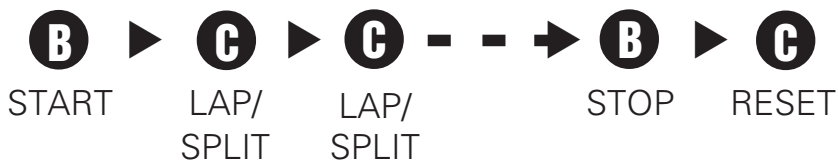| LAP TIME		SPLIT TIME

LAP mark

SPLIT mark

10

STOPWATCH OPERATION

Mode mark

B Start / Stop / Restart

ST.W LAP START/STOP▶ 00

Data No.

0´00˝00

Time measured

◀RECALL   LAP↔SPLIT▶

A

C Reset /
Measure lap (split) time

English

Lap/split time measurement

B ▶ **C** ▶ **C** - - ➡ **B** ▶ **C**

START   LAP/   LAP/   STOP   RESET
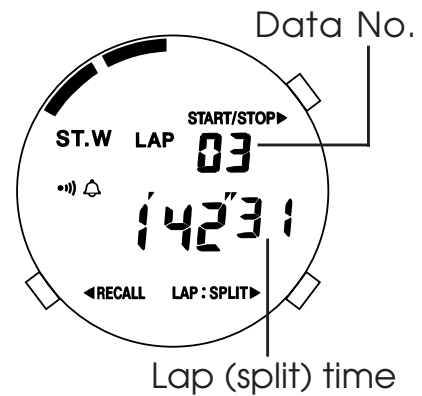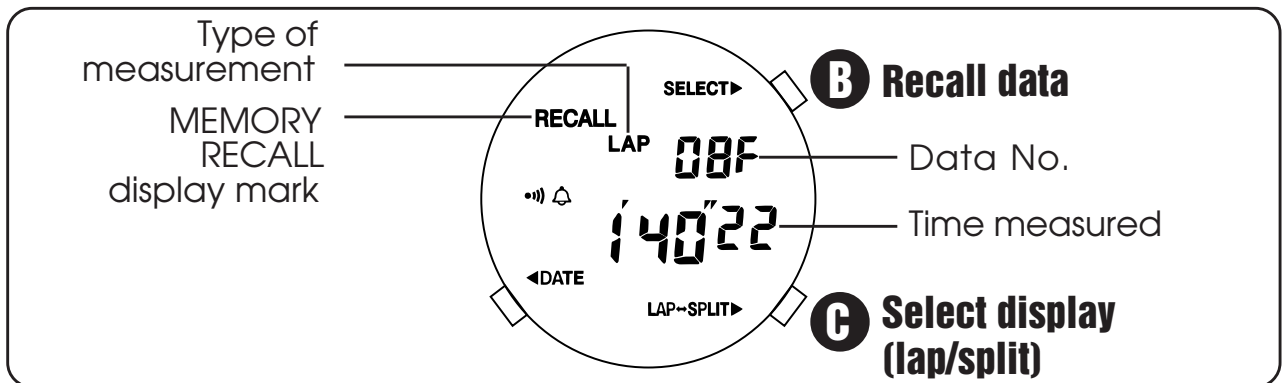   SPLIT   SPLIT

*When the lap/split time is measured by pressing button
C, the measured time is displayed for 5 seconds as
shown at right, and then the time elapsed from the start
will be displayed.*

Data No.

ST.W LAP START/STOP▶ 03

1´42˝31

◀RECALL   LAP : SPLIT▶

Lap (split) time

11

MEMORY RECALL FUNCTION

● The stored data can be recalled either during or after the measurement.

A In STOPWATCH mode, press to show MEMORY RECALL display.

▼

Type of measurement

MEMORY RECALL display mark

RECALL

SELECT▶

B Recall data

LAP **08F** ——— Data No.

•))) ♫

140"22 ——— Time measured

◀DATE

LAP↔SPLIT▶

C Select display (lap/split)

▼

A Return to CALENDAR mode.

To continue measurement, press button A again to show STOPWATCH mode.

● **To clear all the stored data:**

B and **C** In MEMORY RECALL display, press at the same time.
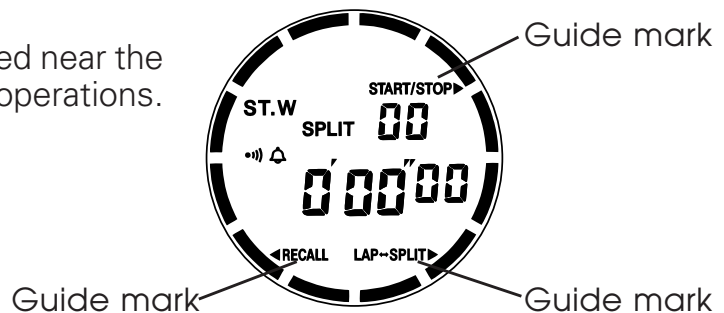
English

12

NOTES ON USING THE WATCH

"WHITE-ON" DISPLAY
● The digital display is shown most clearly in the light, while it is rather obscure in the gloom.
● Move the watch face to find an angle that provides the clearest view of the display.

DISPLAY AND MODE CHANGE
● If the watch is left untouched in the CALENDAR mode, the digital display will automatically become blank in 10 seconds.
● If the watch is left untouched in the SINGLE-TIME ALARM or REGULAR ALARM mode, the digital display will automatically return to the CALENDAR mode in 10 seconds.
● If the watch is left untouched in the STOPWATCH mode with the stopwatch stopped or reset, the digital display will automatically return to the CALENDAR mode in 10 minutes.
● **Guide marks for button operation**
    In each mode, guide marks are displayed near the buttons to indicate the corresponding operations.

Guide mark

ST.W   START/STOP▶
    SPLIT   00
•))) ♤
    0'00"00

◀RECALL   LAP↔SPLIT▶

Guide mark

Guide mark   Guide mark

English

13

● **Demonstration of "WHITE-ON" display**

  1   While the digital display is turned off or in the CALENDAR
      mode, press buttons B and C at the same time.
      • The display as shown at right appears for 1 second,
        and then it disappears and the digital display remains
        blank for 5 seconds.
        The "WHITE-ON" display will continue to appear and
        disappear alternately in such a manner.

  2   Press buttons B and C at the same time again to stop the
      demonstration.
      * *Be sure to follow the above procedure as the demonstration will not stop*
        automatically.
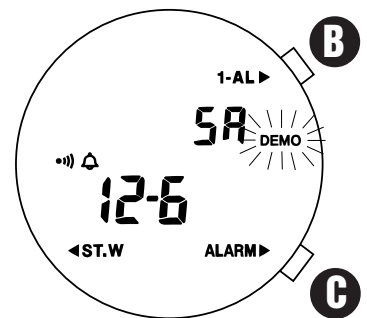
TIME/CALENDAR SETTING

● Be sure to set the analogue and digital displays to an identical time. Otherwise, the
  alarm cannot be used properly.
● The time is set in either 12- or 24-hour indication. The "AM"/"PM" mark is displayed
  in the 12-hour indication while there is no mark in the 24-hour indication.
  For the changeover between 12- and 24-hour indications, see "REGULAR ALARM
  MODE".
● The year digits can be set from 1996 to 2049.
● The flashing digits move quickly if button C is kept pressed.
● When setting the minute hand, first advance it 4 to 5 minutes ahead of the digital time
  and then turn it back to the exact minute.
● After the crown is pushed back, the digital display changes in the following order:

English

14

Time ➢ Year ➢ Month, date and day

Each of the above displays is shown for 3 seconds. Then, the watch automatically returns to the display you used before setting the time/calendar. Pressing button A, B or C in any of the above displays will also return the watch to the display you used before setting the time/calendar.
● Do not leave the watch with the crown pulled out for a long time. Though the hands stop moving, the battery energy is being consumed inside the watch to cause battery depletion.

SINGLE-TIME ALARM MODE

● When the alarm time is set by pressing button B or C, the single-time alarm mark is displayed and the alarm is automatically engaged.
● The digits move quickly if button B or C is kept pressed.
● If the alarm time is set to the current time, the alarm will automatically be disengaged.
● The single-time alarm rings differently from the regular alarm.
● If the alarm rings when the digital display is blank, the set alarm time is displayed while the alarm is ringing and for a few seconds after it stops ringing.
● Please note, if a button is pressed in the STOPWATCH mode to stop the alarm ringing, the alarm is stopped but the stopwatch operation is also made.

REGULAR ALARM MODE

● If the watch is left untouched in the ALARM SETTING display, it will automatically return to the REGULAR ALARM mode in 1 to 2 minutes.

English

15

● If the changeover between 12- and 24-hour indications is made in more than one regular alarm display, the time indication system you set last will be effective for the time indication in the other displays.
● **Note on unusual display:**
  If buttons B and C are pressed at the same time in the ALARM SETTING display, the display as shown at right will appear. This is not a malfunction. Press any one of the buttons to return to the ALARM SETTING display.
● The regular alarm rings differently from the single-time alarm. The regular alarm can be tested by pressing and holding button C in the REGULAR ALARM mode.
● If the alarm rings when the digital display is blank, the set alarm time is displayed while the alarm is ringing and for a few seconds after it stops ringing.
● Please note, if a button is pressed in the STOPWATCH mode to stop the alarm ringing, the alarm is stopped but the stopwatch operation is also made.
● If the hourly time signal rings when the digital display is blank, the time of the hourly time signal is displayed while it is ringing and for a few seconds after it stops ringing.
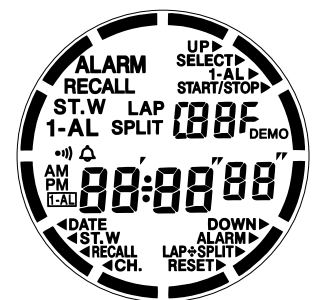
STOPWATCH MODE
● Selection of the lap/split displays can be made when the stopwatch is reset to "00".
● Restart and stop of the stopwatch can be repeated by pressing button B.
● Lap /split time measurement can be repeated by pressing button C.
● The turning graphic display only indicates that the stopwatch is measuring and does not show the measured time.

16

- The lap/split times measured by pressing button C and the measurements taken by pressing button B to stop measurement are stored in memory.
- The data number is not a lap/split number. It indicates the number of measurements stored in memory.
- Up to 20 newest data are stored in memory. If more than 20 measurements are made, the data are erased from the oldest one to maintain 20 newest data in memory.
- If the STOPWATCH mode is changed over to the CALENDAR mode or the digital display is turned off while a measurement is in progress, the stopwatch continues counting properly and the flashing mode mark appears even if the digital display is blank.
- **Notes on MEMORY RECALL function:**
  - If "F" is attached to the data number, the data displayed is the final one measured by pressing button B to stop the measurement, followed by resetting procedure of pressing button C.
  - With each press of button B, the stored data are recalled from the newest to the oldest.
  - If the watch is left untouched in the MEMORY RECALL display, it will automatically return to the CALENDAR mode in 1 to 2 minutes.
  - If the data is recalled during measurement, the type of measurement selected last in the MEMORY RECALL display will be taken when the measurement is resumed. Therefore, select the desired display, lap or split, in the MEMORY RECALL display, and then return to the STOPWATCH mode.

English

17

BATTERY CHANGE

2 Years | **Battery life : Approx. 2 years**
Battery   : SEIKO SR927W

- *The battery life may be less than 2 years if the calendar is used more than 10 times a day, regular/single-time alarm for more than 20 seconds for each time a day and/or stopwatch for more than 1 hour a day.*
- *As the battery is inserted at the factory to check the function and performance of the watch, its actual life once in your possession may be less than the specified period.*
- *When the battery expires, be sure to replace it as soon as possible to prevent any malfunction.*
- *We recommend that you contact an AUTHORIZED PULSAR DEALER for battery replacement.*

● Battery life indicator
When you see the second hand moving at two-second intervals instead of the normal one-second intervals, the battery needs to be replaced with a new one. In that case, replace the battery as soon as possible.

* Even while the second hand is moving at two-second intervals, the accuracy of the analogue time will not be affected. In that period, however, the digital display will not be shown and the alarm will not ring.

English

18

● Necessary procedure after battery change

After the battery is replaced with a new one, or an abnormal display (broken digits, etc.) appears, follw the procedure below to reset the IC.

1 Pull out crown, and press and hold buttons A, B and C at the same time for 1 to 2 seconds.
  • "12:00" will be shown with MINUTES flashing.

2 Push back crown, and check the following.
  • The second hand moves properly.
  • The TIME, YEAR, and MONTH, DATE and DAY are shown, and then the display becomes blank.

* *All the stored data is erased from memory by following the above procedure.*
* *Before using the watch, set the time/calendar.*

English

┌───┐
│ **⚠ WARNING**   │
│   │
│ ● **Do not remove the battery from the watch.**   │
│ ● **If it is necessary to take out the battery, keep it out of the reach of children. If a child swallows it, consult a doctor immediately.** │
│ ● **Never short-circuit, tamper with or heat the battery, and never expose it to fire. The battery may burst, become very hot or catch fire.** │
└───┘

19

> ## ⚠ CAUTION
> ● **The battery is not rechargeable. Never attempt to recharge it, as this may cause battery leakage or damage to the battery.**

English

20

TO PRESERVE THE QUALITY OF YOUR WATCH

WATER RESISTANCE

● Non-water resistant

- If the watch becomes wet, have it checked by an AUTHORIZED PULSAR DEALER or SERVICE CENTER.

### ● Water resistant 5/10/15/20 bar

5 bar WR

10/15/20 bar WR

- Do not operate the crown or buttons when the watch is wet or in water.
  If used in sea water, rinse the watch in fresh water and dry it completely.
- When taking a shower with the water resistant 5 bar watch, or taking a bath with the water resistant 10, 15 or 20 bar watch, be sure to observe the following:
  * Do not operate the crown or buttons when the watch is wet with soapy water or shampoo.
  * If the watch is left in warm water, a slight time loss or gain may be caused. This condition, however, will be corrected when the watch returns to normal temperature.

English

21

> *   *Pressure in bar is a test pressure and should not be considered as corresponding to actual diving depth since swimming movement tends to increase the pressure at a given depth. Care should also be taken on diving into water.*
> ** *We recommend that you wear a PULSAR Diver's Watch for scuba diving.*

TEMPERATURES

+50°C
-5°C
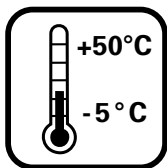
Your watch works with stable accuracy within a temperature range of 5° C and 35° C (41° F and 95° F).

Temperatures over 50° C (122° F) or below −5° C (+23° F) may cause a slight time loss or gain or battery leakage or shorten the battery life. However, the above conditions will be corrected when the watch returns to normal temperature.

MAGNETISM

N   S
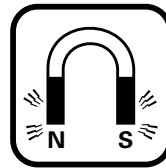
The analogue unit of your watch will be adversely affected by strong magnetism, though the digital unit will not be affected. Keep the watch away from close contact with magnetic objects.

CARE OF CASE AND BRACELET

To prevent possible rusting of the case and bracelet caused by dust, moisture and perspiration, wipe them periodically with a soft dry cloth.

22

SHOCKS & VIBRATION

Light activities will not affect your watch, but be careful not to drop your watch or hit it against hard surfaces, as this may cause damage.

CHEMICALS

Be careful not to expose the watch to solvents, mercury, cosmetic spray, detergents, adhesives or paints. Otherwise, the case, bracelet, etc. may become discolored, deteriorated or damaged.

PERIODIC CHECK

2 - 3 Years

It is recommended that the watch be checked once every 2 to 3 years. Have your watch checked by an AUTHORIZED PULSAR DEALER or SERVICE CENTER to ensure that the case, crown, buttons, gasket and crystal seal remain intact.

PRECAUTION REGARDING CASE BACK PROTECTIVE FILM
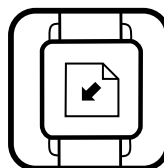
If your watch has a protective film and/or a sticker on the case back, be sure to peel them off before using your watch.

English

23

STATIC ELECTRICITY

The IC (Integrated Circuit) used in your watch will be affected by static electricity which may disturb the display. Keep the watch away from close contact with objects such as TV screens which emit strong static electricity.

LIQUID CRYSTAL PANEL

The normal life expectancy for the liquid crystal panel of the watch is approximately 7 years. After that it may decrease in contrast, becoming difficult to read. If the watch is left at a temperature of more than 50°C for a long time, the quality of the liquid crystal panel may deteriorate. Please contact your AUTHORIZED PULSAR DEALER or SERVICE CENTER if you wish to have a new panel fitted (guaranteed one year).

24