

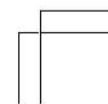
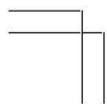
# PULSAR

**CAL. V071, V072  
ALARM CHRONOGRAPH**

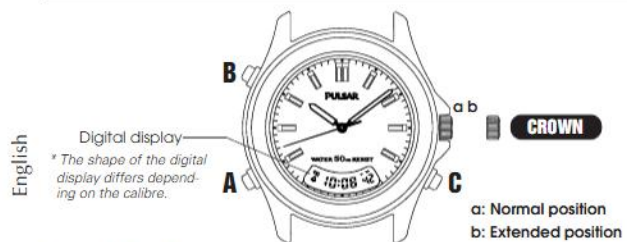


- Analogue time display
- Digital time and calendar
- Daily alarm
- 60-minute stopwatch
- Illuminating light

ENGLISH



## DISPLAY AND CROWN/BUTTONS



### MODE CHANGE

**A** With each press, the mode in the digital display changes in the following order:

CALENDAR ➡ TIME ➡ ALARM ➡ STOPWATCH

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## 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.

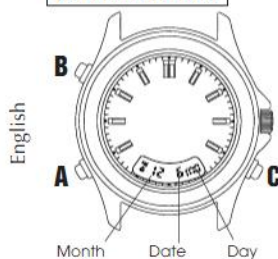


English

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## TIME/CALENDAR SETTING

### CALENDAR SETTING



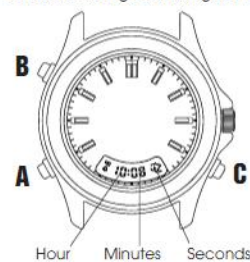
- A** Press to show CALENDAR mode.
- ▼
- B** Press for 2 to 3 seconds.
- ▼
- B** Select the digits to be adjusted.
- ▼
- C** Set the flashing digits.
- ▼
- A or B** Return to CALENDAR mode.

Selection of the digits  
 Date → Month → Day of the week → CALENDAR mode  
 ↑ (Press for 2 to 3 seconds.) ↓

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### DIGITAL TIME SETTING

- Before setting the analogue time, be sure to set the digital time.



- A** Press to show TIME mode.
- ▼
- B** Press for 2 to 3 seconds.
- ▼
- B** Select the digits to be adjusted.
- ▼
- C** Set the flashing digits.
- ▼
- A or B** Return to TIME mode.

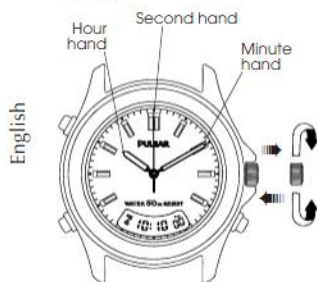
Selection of the digits  
 Seconds → Minutes → Hour → 12-/24-hour indication  
 ↑ (Press for 2 to 3 seconds.) ↓ TIME mode

English

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### ANALOGUE TIME SETTING

- Before setting the analogue time, be sure to set the digital time. (See the previous section)



#### CROWN

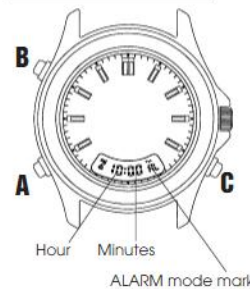
- 1 Pull out when the second hand is at the 12 o'clock position.
- 2 Turn to set the hour and minute hands.
- 3 Push back in to normal position when the second digits count "00" in the digital time display.

English

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## ALARM

### ALARM TIME SETTING



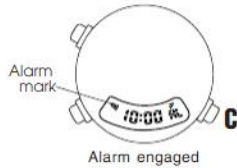
- A** Press to show ALARM mode.
- B** Select the digits to be adjusted.
- C** Set the flashing digits.
- A or B** Return to ALARM mode.

Selection of the digits  
Hour → Minutes → ALARM mode

English

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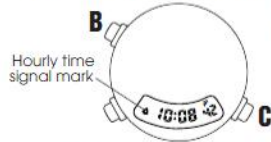
**ALARM ENGAGEMENT/DISENGAGEMENT**



**C** With each press in ALARM mode, the alarm is engaged and disengaged alternately.

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

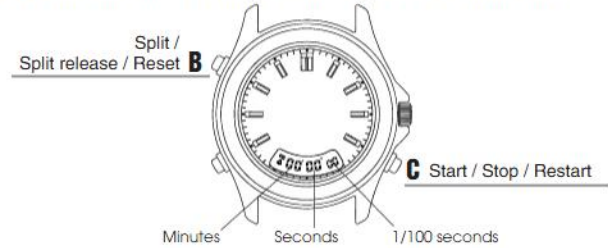
**TURNING ON/OFF OF HOURLY TIME SIGNAL**



**B & C** With each simultaneous press in CALENDAR or TIME mode, the hourly time signal is turned on and off alternately.

**STOPWATCH**

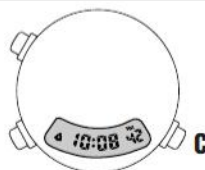
● The stopwatch measures up to 60 minutes in 1/100 second increments.



Measurement of two competitors



### ILLUMINATING LIGHT



**C** Press and hold in TIME or CALENDAR mode.

\* The light illuminates the digital display for easy viewing in the dark.

### NOTES ON OPERATING THE WATCH

#### TIME/CALENDAR SETTING

##### [CALENDAR SETTING]

- The calendar automatically adjusts for odd and even months except February of leap years.
- The flashing digits move quickly if button C is kept pressed.
- If the watch is left untouched with the digits flashing, it will automatically return to the CALENDAR mode in 1 to 2 minutes.

##### [DIGITAL TIME SETTING]

- The flashing digits except the seconds and 12-/24-hour indication move quickly if button C is kept pressed.
- In second setting, when the seconds count any number from "30" to "59" and button C is pressed, one minute is added and the seconds are reset to "00".
- When setting the hour digits in the 12-hour indication, check that AM/PM is properly set. Only the "PM" mark is displayed. For the AM setting, there is no indication.
- If the watch is left untouched with the digits flashing, it will automatically return to the TIME mode in 1 to 2 minutes.

##### [ANALOGUE TIME SETTING]

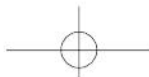
- When setting the minute hand, first advance it 4 to 5 minutes ahead of the desired time and then turn it back to the exact minute.

English

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English

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- When the crown is pulled out or pushed in for time setting, the minute hand may move slightly. However, this is not a malfunction.

#### ALARM

##### [ALARM TIME SETTING]

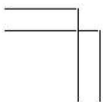
- When the time function is displayed in the 24-hour indication, the alarm will also be displayed in the 24-hour indication.
- The flashing digits move quickly if button C is kept pressed.
- When setting the hour digits in the 12-hour indication, check that AM/PM is properly set. Only the "PM" mark is displayed. For the AM setting, there is no indication.
- If the watch is left untouched with the digits flashing, it will automatically return to the ALARM mode in 1 to 2 minutes.
- **Alarm test:** The alarm can be tested by keeping buttons B and C pressed in the CALENDAR or TIME mode.

#### STOPWATCH

- With each press of button C, the light illuminates the digital display with a beep.
- After measuring 60 minutes, the stopwatch will start counting again from "00'00"00" as many times as necessary until it is stopped.
- Restart and stop of the stopwatch can be repeated by pressing button C.
- Measurement and release of split time can be repeated by pressing button B.
- When measuring a long period of time, press button A to return the STOPWATCH mode to the CALENDAR or TIME mode after the stopwatch starts. This will prevent any possible malfunction.

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English



### BATTERY CHANGE

**3**  
**Years**

**Battery life : Approx. 3 years**

**Battery : SEIKO SR927W**

- If the alarm is used more than once a day, the stopwatch more than once a day, and/or the illuminating light for more than one second a day, the battery life may be less than the specified period.
- 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.

#### ● Necessary procedure after battery change

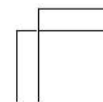
After the battery is replaced with a new one, or in case an abnormal display (broken digits, etc.) appears in the digital display, follow the procedure below to reset the IC.

Press buttons A, B and C at the same time. All the segments of the

English



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digital display will light up, a beep will sound twice and then "January 1st, Sunday" will be displayed in the digital display.

\* Before using the watch, set the time/calendar and alarm.

 **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.

 **CAUTION**

- The battery is not rechargeable. Never attempt to recharge it, as this may cause battery leakage or damage to the battery.

English

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## TO PRESERVE THE QUALITY OF YOUR WATCH

### WATER RESISTANCE

● **Non-water resistant**



If "WATER RESISTANT" is not inscribed on the case back, your watch is not water resistant, and care should be taken not to get it wet as water may damage the movement. If the watch becomes wet, we suggest that you have it checked by an AUTHORIZED PULSAR DEALER or SERVICE CENTER.

● **Water resistance (3 bar)**



If "WATER RESISTANT" is inscribed on the case back, your watch is designed and manufactured to withstand up to 3 bar, such as accidental contact with splashes of water or rain, but it is not designed for swimming or diving.

● **Water resistance (5 bar)\***



If "WATER RESISTANT 5 BAR" is inscribed on the case back, your watch is designed and manufactured to withstand up to 5 bar and is suitable for swimming, yachting and taking a shower.

● **Water resistance (10 bar/15 bar/20 bar)\***



If "WATER RESISTANT 10 BAR", "WATER RESISTANT 15 BAR" or "WATER RESISTANT 20 BAR" is inscribed on the case back, your watch is designed and manufactured to withstand up to 10 bar/15 bar/20 bar and is suitable for taking a bath, shallow diving, but not for scuba diving. We recommend that you wear a PULSAR Diver's watch for scuba diving.

English

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- \* Before using the water resistance 5, 10, 15 or 20 bar watch in water, be sure the crown is pushed in completely. Do not operate the crown 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 resistance 5 bar watch, or taking a bath with the water resistance 10, 15 or 20 bar watch, be sure to observe the following:
  - Do not operate the crown 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.

**NOTE:**

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.

**TEMPERATURES**

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**

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**

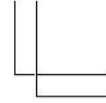
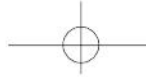
To prevent possible rusting of the case and bracelet caused by dust, moisture and perspiration, wipe them periodically with a soft dry cloth.

**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



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

### 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.

