



(E.)

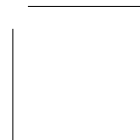
**E – D02**

**DIGITAL TYPE**  
**Series GH & TW (Cal. W309, W329)**

INSTRUCTIONS AND GUARANTEE  
FOR OCEANIA

6-92

Printed in Japan



## PULSAR LC DIGITAL QUARTZ

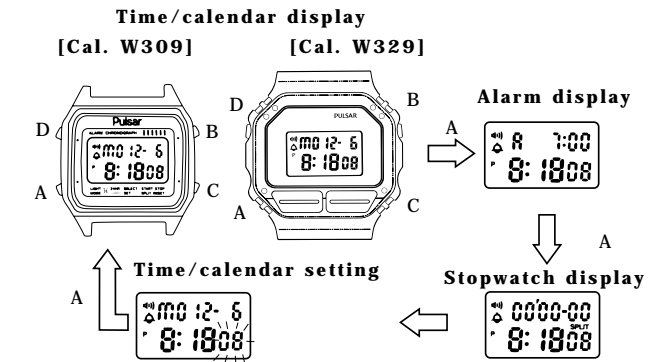
Cal. W309, W329

### CHARACTERISTICS

1. **Time/calendar display:** Hour (12- or 24-hour indication), minute, second, date, month, day of the week, and "A"(AM)/"P"(PM) mark. Calendar adjusts automatically for odd and even months except February of leap years.
2. **Alarm display:** Hour, minute, "A"(AM)/"P"(PM) mark, and alarm and time signal marks.
3. **Stopwatch display:** Minute, second, 1/100 second and split mark. The stopwatch measures in 1/100 seconds up to 60 minutes.
4. **12- or 24-hour display:** Changeover between 12- and 24-hour indications is possible. The alarm display is interlocked with the time/calendar display.
5. **Illuminating light:** Illuminates the display in the dark when button "D" is depressed.

## DISPLAY AND BUTTON OPERATION

Each depression of button "A" changes displays as shown below.



### HOW TO SET THE ALARM

Depress button "A" to show the alarm display, and then depress button "B" to activate the setting function. The hour digits and "A" (AM)/"P" (PM) mark start flashing.



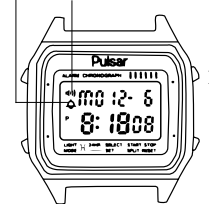
1. Selection of the digits to be adjusted is made alternately between the hour and the minute digits by each depression of button "B".
2. One digit (flashing) is advanced by each depression of button "C". The digits are advanced quickly by keeping button "C" depressed. (Be sure to check that "A" (AM)/"P" (PM) is correctly set.)
3. After all adjustments are completed, depress button "A" to return to the time/calendar display.

\* When the time/calendar function is displayed in the 24-hour indication, the alarm function will also be displayed in the 24-hour indication.

### How to engage and disengage the alarm and hourly time signal

Time signal mark

Alarm mark



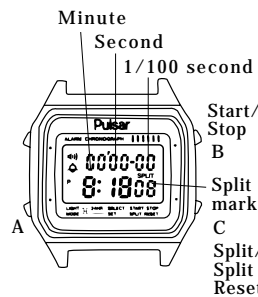
In the time/calendar display depress buttons "B" and "C" at the same time, and the engagement and disengagement of the alarm and the time signal rotate in the following order:

	Alarm	Time signal
🔊 🔔	Engaged	Engaged
	Disengaged	Disengaged
🔊	Engaged	Disengaged
🔔	Disengaged	Engaged

- \* The alarm rings at the designated time for 20 seconds and stops. However, it can be stopped manually by depressing any one of buttons "A", "B" and "C".
- \*\* The alarm sound can be tested by depressing buttons "B" and "C" at the same time in the time/calendar display.

## HOW TO USE THE STOPWATCH

Depress button "A" to show the stopwatch display.



1. Before using the stopwatch, reset the digits to "00".
2. Start and stop of time measuring are made repeatedly by each depression of button "B".
3. Depress button "C" while measuring, and the split time is displayed.
4. Depress button "C" while not measuring. The digits are reset to "00".

\* The stopwatch measures in 1/100 seconds up to 60 minutes. When the measurement is over 60 minutes it starts counting up from "00" again.

### Accumulated elapsed time measurement (Ex. Basketball game)

Depress the buttons in the following order: B - B - B - B - C



### Split time measurement (Ex. Marathon race)

Depress the buttons in the following order: B - C - C - B - C



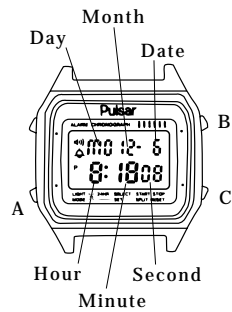
### Measurement between two competitors (Ex. 100m match race)

Depress the buttons in the following order: B - C - B - C - C



### HOW TO SET THE TIME/CALENDAR

Depress button "A" to show the time/calendar setting function. The second digits start flashing.



1. Selection of the digits to be adjusted is made in the following order by depressing button "B".

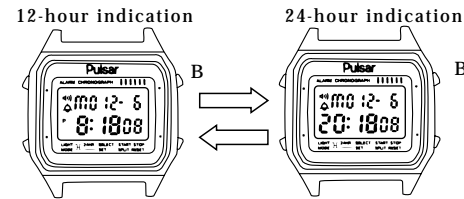


2. One digit (flashing) is advanced by each depression of button "C". The digits except seconds are advanced quickly by keeping button "C" depressed. (The seconds are reset to "00" when button "C" is depressed.)
3. After all adjustments are completed, depress button "A" to return to the time/calendar display.

\* When the seconds show any number from "30" to "59" and button "C" is depressed in the second setting mode, the seconds are reset to "00" with one minute added.

\*\* If the watch is left untouched in the time/calendar setting function, it will automatically return to the time/calendar display in 1 ~ 2 minutes.

### Changeover between 12-hour and 24-hour indications



In the time/calendar display, each depression of button "B" for 1 to 2 seconds changes the display as shown above between the 12-hour and 24-hour indications.

- \* When the display is set in the 12-hour indication, be sure to check that AM/PM is correctly set.
- \*\* When the time/calendar function is displayed in the 24-hour indication, the alarm will also be displayed in the 24-hour indication.

### TO PRESERVE THE QUALITY OF YOUR WATCH

Your watch contains a highly precise electronic circuit and a crystal oscillator, and to maintain its high accuracy you should not subject it to violent shocks or extreme temperatures.

Your watch is classified into one of the following four groups by the degree of water resistance. Please read the appropriate item below for proper use.

If your watch is water resistant, "WATER RESISTANT" is shown on the back of your watch case. If your watch is 100 m or 50 m water resistant, it is so indicated on the dial. If your watch is non-water resistant, there is no such indication.

**Water resistant:** These watches are designed to withstand accidental contact with water, for example, splashes or rain, but should not be worn while swimming or diving.

**Water resistant (50 m/5 BAR):** These watches are suitable for swimming and can be worn in the shower, but not for diving. If the watch is exposed to salt water, rinse it in fresh water and then wipe it thoroughly dry. Do not press any buttons when the watch is wet.

**Water resistant (100m/10BAR):** These watches are suitable for swimming or skin diving (without heavy breathing apparatus), but not for scuba diving. If the watch is exposed to salt water, rinse it in fresh water and then wipe it thoroughly dry. Do not press any buttons when the watch is wet.

**Non-water resistant:** Care should be taken not to get your watch wet as water may damage the movement.

- Have your Pulsar watch checked by a PULSAR DEALER periodically to be sure that the case, buttons, gasket, crystal seal and push pins remain intact.

### BATTERY CHANGE

The miniature battery SEIKO CR2016 which powers your watch should last approximately 7 years. However, because the battery is inserted at the factory, its actual life once in your possession may be less than the specified period.

**Note:** If the light is used for more than 5 seconds a day, and the alarm is used for more than 10 seconds a day, the battery life may be less than the specified period.