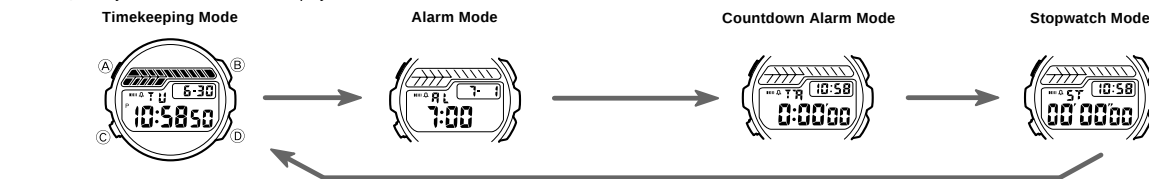


2. OPERATION CHART : QW-1848

GENERAL GUIDE

- Press **(C)** to change from mode to mode.
- After you perform an operation in any mode, pressing **(C)** returns to the Timekeeping Mode.
- Press **(D)** in any mode to illuminate the display.



TIMEKEEPING MODE

To set the time and date

1. Press **(A)** while in the Timekeeping Mode. The seconds digits flash on the display because they are *selected*.
2. Press **(C)** to change the selection in the following sequence.

Seconds

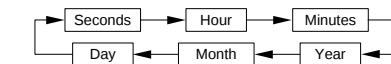
Hour

Minutes

Day

Month

Year
3. While the seconds digits are selected (flashing), press **(B)** to reset the seconds to **00**. If you press **(B)** while the seconds count is in the range of 30 to 59, the seconds are reset to **00** and 1 is added to the minutes. If the seconds count is in the range of 00 to 29, the minutes count is unchanged.
4. While any other digits (besides seconds) are selected (flashing), press **(B)** to increase the number. Holding down **(B)** changes the number at high speed.
- While any digits are selected, press **(D)** to switch between the 12-hour and 24-hour formats.
- When the 12-hour format is selected, the **P (PM)** indicator appears on the display to indicate "p.m." times. There is no indicator for "a.m." times.
- Selecting the 24-hour format causes the **24** indicator to appear on the display.
5. After you set the time and date, press **(A)** to return to the Timekeeping Mode.
- The day of the week is automatically set in accordance with the date.
- The date can be set within the range of January 1, 1995 to December 31, 2039.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Timekeeping Mode automatically.



BACKLIGHT FUNCTION



Note

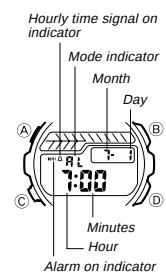
- The backlight of the watch employs an electro-luminescent (EL) light, which loses illuminating power after very long use.
- The illumination provided by the backlight may be hard to see when viewed under direct sunlight.

To manually turn on the backlight

- Pressing **(D)** in any mode causes the backlight to turn on for about three seconds.
- The backlight automatically turns off whenever an alarm sounds.
 - The above operations turn on the backlight, regardless of the current EL alarm settings.

To turn the EL alarm on and off

- In the Timekeeping Mode, hold down **(B)** for about two seconds to toggle the EL alarm on (**(A)** indicator displayed) and off (**(A)** indicator not displayed).
- When the EL alarm is on, the backlight flashes while the alarm and hourly time signal tones are sounding.



ALARM MODE

You can set an alarm with hour, minutes, month, and day. When the alarm is turned on, the alarm sounds for 20 seconds at the preset time. When the Hourly Time Signal is turned on, the watch beeps every hour on the hour.

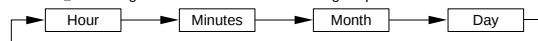
Alarm Types

The types of alarm you get depends on the information you set.

- **To set a Daily alarm**
Set the hour and minutes for the alarm time. Set **--** for the month and **--** for the day (see step 3 under "To set the alarm time"). This type of setting causes the alarm to sound everyday at the time you set.
- **To set a Date alarm**
Set the month, day, hour and minutes for the alarm time. This type of setting causes the alarm to sound at the specific time, on the specific date you set.
- **To set a 1-Month alarm**
Set the month, hour and minutes for the alarm time. Set **--** for the month and **--** for the day (see step 3 under "To set the alarm time"). This type of setting causes the alarm to sound every day at the time you set, only during the month you set.
- **To set a Monthly alarm**
Set the day, hour and minutes for the alarm time. Set **--** for the month (see step 3 under "To set the alarm time"). This type of setting causes the alarm to sound every month at the time you set, on the day you set.

To set the alarm time

1. Press **(A)** while in the Alarm Mode. The hour digits flash on the display because they are *selected*.
- This operation automatically turns on the alarm.
2. Press **(C)** to change the selection in the following sequence.



3. Press **(B)** to increase the selected digits. Holding down **(B)** changes the number at high speed.
- To set an alarm that does not include a month (Daily alarm, Monthly alarm), set **--** for the month. Press **(B)** until the **--** mark appears (between 12 and 1) while the month digits are flashing.
- To set an alarm that does not include a day (Daily alarm, 1-Month alarm), set **--** for the day. Press **(B)** until the **--** mark appears (between 31 and 1) while the day digits are flashing.
- The format (12-hour and 24-hour) of the alarm time matches the format you select for normal timekeeping.
- When setting the alarm time using the 12-hour format, take care to set the time correctly as morning (no indicator) or afternoon (**P**).
4. After you set the alarm time, press **(A)** to return to the Alarm Mode.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Alarm Mode automatically.

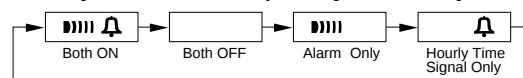
To stop the alarm

Press any button to stop the alarm after it starts to sound.

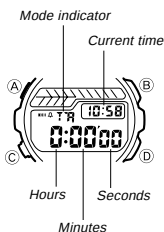
To turn the alarm and Hourly Time Signal on and off

Press **(B)** while in the Alarm Mode to change the status of the alarm and Hourly Time Signal in the following sequence.

[Alarm On Indicator/Hourly Time Signal On Indicator]



COUNTDOWN ALARM MODE



The countdown timer can be set within a range of 1 second to 24 hours. When the countdown reaches zero, an alarm sounds for 10 seconds or until you press any button. Note that you can also select auto repeat timing that automatically restarts the countdown from the original value you set whenever zero is reached.

To set the countdown time

1. Press **(A)** while in the Countdown Alarm Mode. The hours digit flashes on the display because it is *selected*.
2. Press **(C)** to change the selection in the following sequence.

Hours

Minutes

Seconds
3. Press **(B)** to increase the selected number. Holding down **(B)** changes the selection at high speed.
- To set the starting value of the countdown time to 24 hours, set to **0:00:00**.
4. After you set the countdown time, press **(A)** to return to the Countdown Alarm Mode.
- If you do not operate any button for a few minutes while a selection is flashing, the flashing stops and the watch goes back to the Countdown Alarm Mode automatically.

To use the countdown timer

1. Press **(B)** while in the Countdown Alarm Mode to start the countdown timer.
2. Press **(B)** again to stop the countdown timer.
- You can continue countdown timer operation by pressing **(B)**.
3. Stop the timer and then press **(A)** to reset the countdown time to its starting value.
- When the end of the countdown is reached and auto repeat timing is off, the alarm sounds for 10 seconds or until you stop the alarm by pressing any button. Countdown timing stops, and the countdown time is automatically reset to its starting value after the alarm stops.

To turn auto repeat timing on and off



1. Press **(A)** while in the Countdown Alarm Mode. The hours digit flashes on the display because it is *selected*.
2. Press **(D)** to turn auto repeat on (**AUTO** displayed) and off (**AUTO** not displayed).
3. Press **(A)** to return to the Countdown Alarm Mode.
- When the end of the countdown is reached while auto repeat is on, the alarm sounds, but the countdown starts again automatically whenever the countdown reaches zero. You can stop timing by pressing **(B)**, and manually reset to the starting countdown time by pressing **(A)**.

STOPWATCH MODE



The Stopwatch Mode lets you measure elapsed time, split times, and two finishes. The range of the stopwatch is 23 hours, 59 minutes, 59 seconds.

To measure elapsed time

1. Press **B** to start the stopwatch.
2. Press **B** to stop the stopwatch.
 - You can resume the measurement operation by pressing **B** again.
3. Press **A** to clear the stopwatch to all zeros.
 - For the first 60 minutes, the display shows minutes, seconds, and 1/100 second. After 60 minutes, the display format changes to show hours, minutes, and seconds.

To record split times

1. Press **B** to start the stopwatch.
2. Press **A** to display the timing up to that point. Stopwatch timing continues internally.
3. Press **A** to clear the split time and to continue time measurement on the display.
 - You can repeat steps 2 and 3 as many times as you want.
4. Press **B** to stop the time measurement.
5. Press **A** to clear the stopwatch to all zeros.

To time first and second place finishes

1. Press **B** to start the stopwatch.
2. Press **A** when the first finisher crosses the line, and record the time.
3. Press **B** when the second finisher crosses the line.
4. Press **A** to display the finishing time of the second finisher.
5. Press **A** again to clear the stopwatch to all zeros.