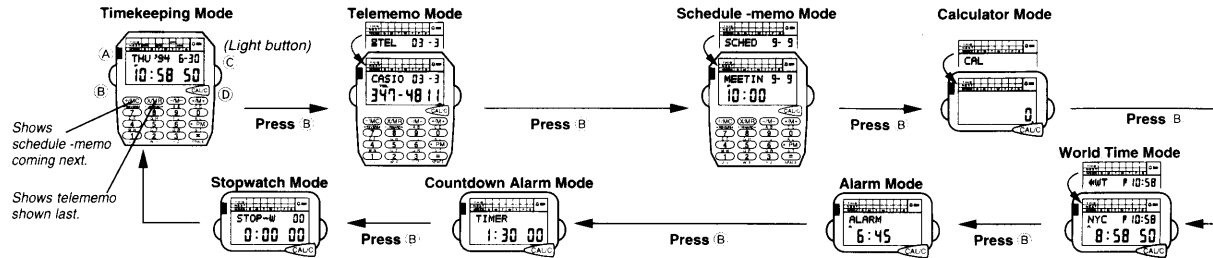


OPERATION CHART:MODULE QW-1079

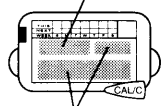
GENERAL GUIDE

- Press **B** to change from mode to mode. Each mode is explained in detail on the following pages.
- Holding down **D** while in the Timekeeping Mode changes directly to the Calculator Mode.
- Holding down **B** in any mode returns to the Timekeeping Mode.



INPUTTING TEXT AND NUMBERS

Text Area (up to 16 characters)



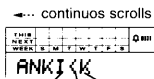
Number Area (up to 12 digits)

To input text

You can input alpha characters (from A through Z), numbers, hyphens, spaces, periods, and colons as text for the Telememo's name and memo, the Schedule Memo Mode's message, and the World Time Mode's city code.

- Perform the required operation to make the cursor appear in the mode where you want to input text.
 - You can input text in the Telememo, Schedule Memo, or World Time Mode. See the section describing each mode for details on how to make the cursor appear.
- While the cursor is in the text area, use the key pad to input characters.
 - Note that each key is assigned more than one character. Each press of a key sequentially changes the character at the cursor's position. When you press **(1)**, for example, the input character changes in the sequence: U → V → 1 → U → V etc. The letters that a key inputs are printed below the key, while the number it inputs is printed on the key.
 - Use **(=)** to input spaces and **(PM)** to input periods.
 - Use **(-M-)** to input hyphens and **(+M+)** to input colons.
- When the character you want is displayed at the cursor position, press **D** to move the cursor to the right.
 - Note that you can use **B** and **D** to move the cursor between characters to make changes and corrections.
- Repeat steps 2 and 3 to input the rest of the characters you want.

- You can input up to 16 characters. The display shows only six characters, but automatically scrolls from right to left to show all of the characters that make up the text. The end of the text is indicated by an end mark.



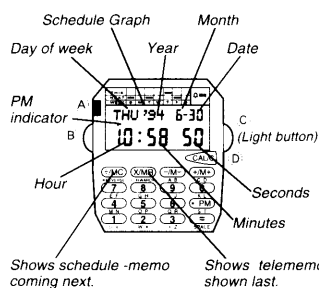
Last letter of text
First letter of text
End mark (inserted automatically)

To input numbers

You can input numbers, hyphens and spaces for telephone and fax numbers in the Telememo Mode's number area, and for the dates and times in other modes (except the Stopwatch Mode).

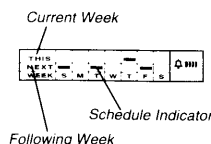
- Perform the required operation to make the cursor appear in the mode where you want to input numbers.
- You can input numbers in any mode, except the Stopwatch Mode. See the section describing each mode for details on how to make the cursor appear.
- While the cursor is in the number area, use the key pad to input characters.
 - The number that a key inputs is printed on the key.
 - Use **(=)** to input spaces and **(-M-)** to input hyphens (Telememo Mode).
 - Each time you input a digit the cursor automatically moves to the right.
- Note that you can use **B** and **D** to move the cursor between digits to make changes and corrections.

TIMEKEEPING MODE



- Hold down **C** in the Timekeeping Mode to illuminate the display.
- Hold **(M)** in the Timekeeping Mode to display the menu for the next appointment you have scheduled.
- Hold **(XMR)** in the Timekeeping Mode to display the Telememo data (TEL, FAX, MEMO1, or MEMO2) you last accessed.

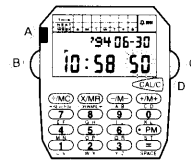
About the Schedule Graph



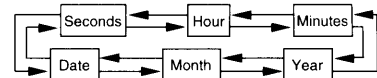
An indicator appears in the Schedule Graph whenever you input an appointment in the Schedule Memo Mode. The Schedule Graph shows all your appointments for the current week and the following week at a glance. The current week and following week change every seven days, when the current date in the Timekeeping Mode changes from Saturday to Sunday.

When the appointment indicated by a schedule indicator is for the current date, that indicator flashes in the graph. An alarm sounds for 20 seconds and the reminder message you input for that appointment appears on the display when the schedule time for that appointment is reached. You can press any key on the keypad or any button to stop the alarm once it starts to sound. See "To input Schedule Memo data" for details on inputting Schedule Memo Mode data.

To set the time and date



- Press **A** while in the Timekeeping Mode. The seconds digits flash on the display because they are selected.
- Press **B** or **D** to change the selection in the following sequence. Holding down either button changes the current selection at high speed.



- While the selection is flashing, press **C** to switch between 12-hour and 24-hour formats.
- While the seconds digits are selected (flashing), press **(0)** to reset the seconds to "00". If you press **(0)** 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.
- While any other digits (besides seconds) are selected (flashing), press the keys on the key pad to input the numbers you want.
- If you are using the 12-hour timekeeping format, the A (AM) or P (PM) indicator flashes along with the left minutes digit. Press **(PM)** to switch between AM and PM.
- The date can be set within the range of January 1, 1990 to December 31, 2089. Inputting a year from 90 to 99 is set as 1990 to 1999, while an input from 00 to 89 is set as 2000 to 2089.
- 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.
- 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.

TELEMEMO MODE

The Telememo Mode lets you store names, telephone numbers, and fax numbers, along with two memos (Memo 1 and Memo 2). The name can be up to 16 characters long, the numbers 12 digits each, and the memos 16 characters each. Data is automatically sorted into alphabetic order based on the name data. You can recall data by scrolling through a sorted list, or by inputting the initial character of the name you want to find. A secret memory area keeps your data private.

Notes

- Hold down **C** while in the Telememo Mode to illuminate the display.
- If you do not operate any button for a few minutes while in the Telememo Mode, the watch automatically goes back to the Timekeeping Mode.

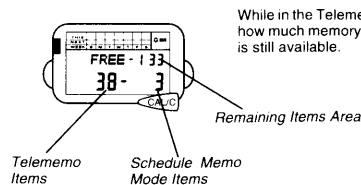
About memory capacity

You can store up to 150 entries in memory when up to eight letters are used for each name and 12 digits for the number. The following table shows how much memory is used by an entry.

Name	TEL	FAX	Memo 1	Memo 2	Number of Entries Used	Maximum Possible Entries
8	12	—	—	—	1	150
8	12	12	—	—	1.5	97
8	12	—	16	—	2	75
8	12	12	16	—	2.5	59
16	12	12	16	16	4	37

- Memory is shared between the Telememo and Schedule Memo Modes. This means that the maximum number of Telememo Mode entries you can store is reduced each time you store data in the Schedule Memo Mode.

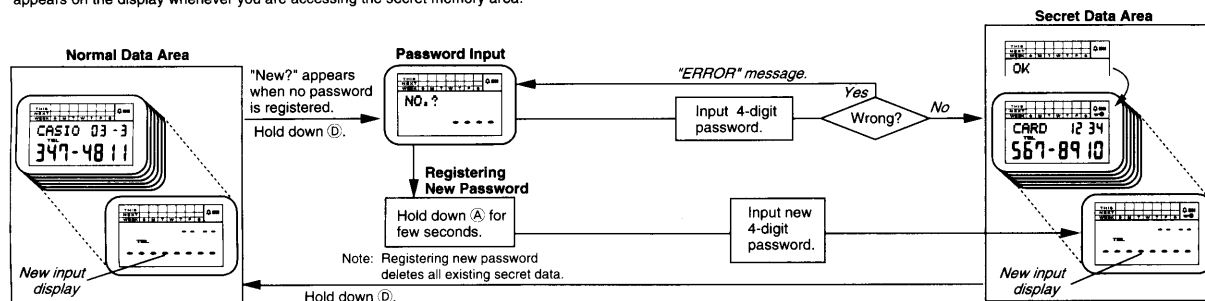
Checking Memory Usage



While in the Telememo Mode, hold down **(=)** to view how much memory is used in each mode and how much is still available.

About the secret memory area

A password-protected secret memory area helps to keep your data private. The indicator " " appears on the display whenever you are accessing the secret memory area.



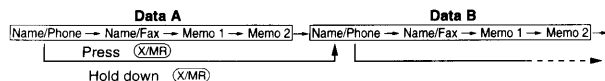
To change a password

- While in the Telememo Mode, hold down (D) until the message "No.?" appears.
- Press (C) to display the message "OLD?".
- Enter the existing password.
- If the password you input is correct, the message "NEW?" appears.
- Enter the password you want to change to.

To use sequential search to scroll through data

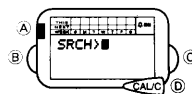
While in the Telememo Mode (normal data area or secret data area), press (XMR) to scroll forward through the stored data, or (MC) to scroll back.

- Holding down either key scrolls through name and telephone number data at high speed, without displaying the fax number, memo 1 or memo 2 data.



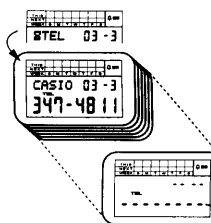
- Note that the above operation displays Fax, Memo 1, and Memo 2 only when there is data input for these items.

To use initial character search to recall specific data

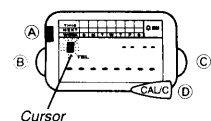


- While in the Telememo Mode (Normal data area or Secret data area), press (D) to display the initial character search display.
- Input the name of the data you want.
- You can input only one character.
- After inputting the search data, press (XMR) to start the search.
- The first name that matches your specification appears on the display.
- At this time, you can press (XMR) to scroll through the names (sequential search) starting from the name that was found by the initial character operation.
- You can also start the search by pressing (MC) (instead of (XMR)). Doing so causes the found data to be displayed starting from the last name (in alphabetical sequence) that matches.
- If you start a search operation without inputting anything as search data, the search operation recalls a blank page (new input display).
- If none of the data in memory matches your input, the message "NO DATA" appears on the display.
- If you are accessing the normal data area, the search operation searches through normal data area data only. If you are accessing the secret data area, the search operation searches through secret data area data only.

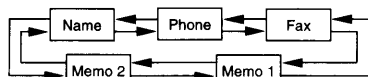
To input Telememo data



- In the Telememo Mode (normal data area or secret data area), use sequential search or initial character search to display the new input display.
- If there is no Telememo data stored in memory yet, the New Item Display appears as soon as you enter the Telememo Mode.
- If the message "FULL" appears on the display, it means that memory is full. To store more data, you will first have to delete some from memory.



- Press (A) to make the cursor appear on the display.
- Press (XMR) or (MC) to move the cursor in the following sequence.



- While the cursor is in the text area (name or memo display), use the key pad to input the text you want.
- You can input up to 16 characters for name and memo text.
- Make sure you distinguish between the letter "o" and zero. Inputting a zero for an "o" can affect automatic sorting.
- While the cursor is in the number area (telephone number and fax number display), use the key pad to input the numbers you want.
- You can input up to 12 digits each for the phone and fax numbers.
- Note that you must input at least one character into the name area. You can skip input of phone, fax numbers, memo 1 and memo 2.
- After inputting the data you want, press (A) to store it into memory.
- The message "SORT" appears on the display and stays there while data is being sorted into alphabetical order. The new input display appears after the sort operation is complete.
- If you want to input another data item, repeat steps 3 through 6.
- After you finish inputting all the data you want, press (A) (a second time after pressing it once to store your data) to return to the Telememo Mode.
- If you do not operate any button for a few minutes while the cursor is flashing on the display, the watch automatically returns to the Telememo Mode.

To edit data stored in memory

- While in the Telememo Mode (Normal data area or Secret data area), use sequential search or initial character search to display the data item you want to edit.
- Press (A) and the cursor appears on the display.
- Use (B) and (D) to move the cursor to the character you want to change.
- Input the character you want to change to.
- Press (A) to exit the data input operation and to return to the normal Telememo Mode (Normal data area or Secret data area).

To delete a specific data

- While in the Telememo Mode (Normal data area or Secret data area), use sequential search or initial character search to display the data item you want to delete.
- Press (A) and the cursor appears on the display.
- Hold down (C) until the message "CLEAR" appears on the display and a beep sounds. This indicates that the telephone number, fax number, memo 1 and memo 2 data under the name you selected are all deleted.
- Input new data or press (A) to exit the data input operation and return to the normal Telememo Mode (Normal data area or Secret data area).

SCHEDULE MEMO MODE

The Schedule Memo Mode lets you store the month, day, and time of each appointment, along with a 16-character reminder message. The next scheduled appointment appears on the display whenever you enter the Schedule Memo Mode.

A Schedule memo Alarm sounds when the date and time of an appointment are reached. Once a Schedule Memo Alarm starts to sound, you can switch it off by pressing any button or key pad key. The Schedule Memo Alarm sounds and its message is displayed only if the watch is in the Timekeeping Mode when the applicable date and time are reached. In other modes, only the alarm sounds, without any display of the message. If you are inputting data or changing the time setting when a Schedule Memo Alarm time is reached, the alarm does not sound.

Note that the Schedule Memo Alarm dates you set must be within one year of the current Timekeeping Mode date. This means that if today's date is June 1, you can set a Schedule Memo Alarm date up to May 31 the following year. Be sure that you always specify a date for the Schedule Memo Alarm. If you leave the date as 00-00, the Schedule Memo Alarm will not be stored in memory.

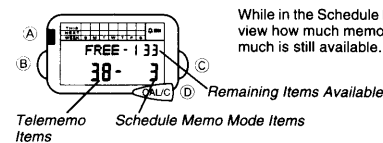
- Hold down (C) while in the Schedule Memo Mode to illuminate the display.
- If you do not operate any button for a few minutes while in the Schedule Mode, the watch automatically goes back to the Timekeeping Mode.

About memory capacity

You can store up to 177 entries in memory when up to eight letters are used for each message. If you use nine to 12 letters for the message, you can store up to 139 entries.

- Memory is shared between the Telememo and Schedule Memo Modes. This means that the maximum number of Schedule Memo Mode entries you can store is reduced each time you store data in the Telememo Mode.

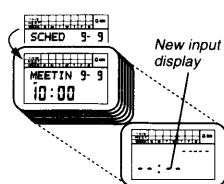
Checking Memory Usage



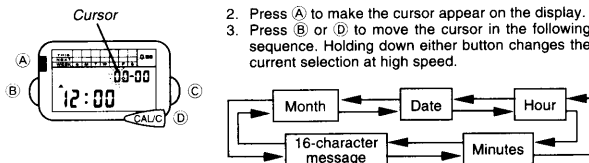
About Schedule Memo Mode memory management...

Schedule Memo Mode data items are automatically sorted into chronological order. When the current (Timekeeping Mode) date changes at midnight each day, Schedule Memo items with dates before the new date are automatically deleted (except for the protected items). You can also manually delete Schedule Memo items normally using the procedure under "To delete a specific data".

To input Schedule Memo data



- In the Schedule Mode, press (XMR) or (MC) until the New Input Display appears.
- If there is no Schedule data stored in memory yet, the New Input Display appears as soon as you enter the Schedule Mode.
- If the message "FULL" appears on the display, it means that memory is full. To store more data, you will first have to delete some from memory.



- When the cursor is located at a month, day, or time digit, use the key pad to input the numbers you want.
 - To specify 9 o'clock on August 1, for example input 0801900.
- The 12-hour/24-hour format of the alarm time matches the format you select in the Timekeeping Mode.
- If you are using the 12-hour timekeeping format, the A (AM) or P (PM) indicator flashes along with the left minutes digit. Press $\langle PM \rangle$ to switch between AM and PM.
- While the cursor is in the text (message) area, use the key pad to input the text you want.
- You can input up to 16 characters for message text.
- After inputting the data you want, press $\langle A \rangle$ to store it into memory.
- The message "SORT" appears on the display and stays there while data is being stored into chronological order. The new input display appears after the sort operation is complete.
- If you want to input another data item, repeat step 3 through 6.
- After you finish inputting all the data you want, press $\langle A \rangle$ (a second time after pressing it once to store your data) to return to the Schedule Memo Mode.
- If you do not operate any button for a few minutes while the cursor is flashing on the display, the watch automatically returns to the Schedule Memo Mode.

To search for data

While in the Schedule Memo Mode, press $\langle XMR \rangle$ to scroll forward through the stored data, or $\langle MC \rangle$ to scroll back. Holding down either key scrolls at high speed.

To edit data stored in memory

- While in the Schedule Mode, use $\langle XMR \rangle$ or $\langle MC \rangle$ to display the data item you want to edit.
- Press $\langle A \rangle$ and the cursor appears on the display.
- Use $\langle B \rangle$ and $\langle D \rangle$ to move the cursor to the character you want to change.
- Input the character you want to change to.
- Press $\langle A \rangle$ to exit the data input operation and to return to the normal Schedule Mode.

To delete a specific data

- While in the Schedule Mode, use $\langle XMR \rangle$ or $\langle MC \rangle$ to display the data item you want to delete.
- Press $\langle A \rangle$ and the cursor appears on the display.
- Hold down $\langle C \rangle$ until the message "CLEAR" appears on the display and a beep sounds indicating the data is deleted. At this time the cursor appears on the display ready for input.
- Input new data or press $\langle A \rangle$ to exit the data input operation and return to the normal Schedule Mode.

About data protection

You can select specific Schedule Memo items and protect them against being deleted when they expire. Protected items are reschedule so that they are set for the same date and time each year, so they are perfect for birthdays, anniversaries, etc. If you want to delete a protected Schedule Memo item, you must do so manually as described above.

To switch data protection on and off

While the month and day digits are flashing during data input, press $\langle PM \rangle$ to switch data protection on and off.

- When you press $\langle PM \rangle$ to switch data protection on, the indicator "-" appears on the display.

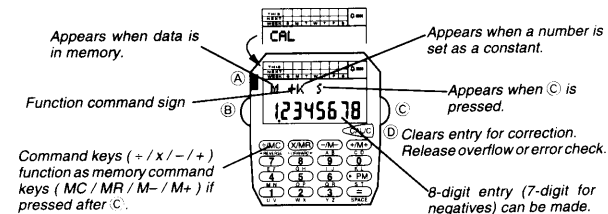
To test the Schedule Memo alarm

Hold down $\langle D \rangle$ while in the Schedule Memo Mode to sound the alarm.

CALCULATOR MODE

When you are in the Calculator Mode, the key pad keys can be used to input arithmetic calculations and display their results.

- If you do not operate any button for 6 or 7 minutes while in the Calculator Mode, the watch goes back to the Timekeeping Mode automatically.



Calculation Examples

Be sure to press the $\langle D \rangle$ button when starting calculations.

Basic Calculations

The +, -, x, and ÷ indicators appear on the display whenever you press the corresponding operation key.

Example	Operation	Display
12.3 + 74 - 90 = -3.7	$\langle D \rangle 12 \langle C \rangle 74 \langle C \rangle 90 \langle C \rangle$	-3.7
(12 - 0.5) x 3 + 7 = 4.9285714	$\langle D \rangle 12 \langle C \rangle 0.5 \langle C \rangle 3 \langle C \rangle 7 \langle C \rangle$	4.9285714

Constant Calculations

Input the number you want to use as a constant, and then press one of the arithmetic keys twice. This causes the "K" indicator to appear on the display, indicating constant calculations.

Example	Operation	Display
10 + 7 = 17	$\langle D \rangle 7 \langle C \rangle 10 \langle C \rangle$	+ K 17
12 + 7 = 19	$12 \langle C \rangle$	+ K 19
78 - 12 = 66	$\langle D \rangle 12 \langle C \rangle 78 \langle C \rangle$	- K 66
45 - 12 = 33	$45 \langle C \rangle$	- K 33
2 x 12 = 24	$\langle D \rangle 12 \langle C \rangle 2 \langle C \rangle$	x K 24
5 x 12 = 60	$5 \langle C \rangle$	x K 60
45 ÷ 9 = 5	$\langle D \rangle 9 \langle C \rangle 45 \langle C \rangle$	÷ K 5
72 ÷ 9 = 8	$72 \langle C \rangle$	÷ K 8
17 + 17 + 17 + 17 = 68	$\langle D \rangle 17 \langle C \rangle \langle C \rangle \langle C \rangle \langle C \rangle$	+ K 68
(2.3) ⁴ = 27.984	$\langle D \rangle 2 \langle C \rangle 3 \langle C \rangle \langle C \rangle \langle C \rangle \langle C \rangle$	x K 27.984

Independent Memory

M- : Subtracts the displayed value from independent memory.

M+ : Adds the displayed value to independent memory.

MC : Clears independent memory.

MR : Recalls the value stored in independent memory.

- To perform a memory operation, press $\langle C \rangle$ to shift the keypad ("S" indicator appears on display), and then press $\langle MC \rangle$, $\langle M- \rangle$, or $\langle M+ \rangle$.
- The "M" indicator is shown on the display while there is a value stored in independent memory.

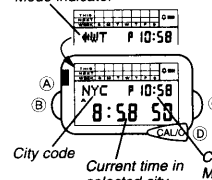
Example	Operation	Display
80 + 9 = 720	$\langle D \rangle 80 \langle C \rangle 9 \langle C \rangle$	M 720
-) 50 x 6 = 300	$50 \langle C \rangle 6 \langle C \rangle$	M 300
20 x 3 = 60	$20 \langle C \rangle 3 \langle C \rangle$	M 60
480	$\langle C \rangle$	M 480

To switch the key input tone on and off

In the Calculator Mode, press $\langle A \rangle$ to switch the key input tone on and off. The key input confirmation tone on/off setting you make in the Calculator Mode is applied to all other modes, except the Stopwatch Mode.

WORLD TIME MODE

Mode indicator



The world Time Mode shows the current time in 24 time zones around the world. When you set the time for any time zone, all other zones are adjusted accordingly.

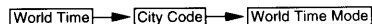
- In the World Time Mode, hold down $\langle C \rangle$ to illuminate the display.
- For full information on city codes, see the City Code Table. You can also input your own city codes using the procedure under "To set the World Time and change the city codes".

To scroll through the World Time zones

In the World Time Mode, press $\langle XMR \rangle$ or $\langle MC \rangle$ to scroll through the World Time Zones. The time zone that is displayed when you leave the World Time mode will still be displayed when you enter the World Time mode again.

To set the World Time and change the city codes

- Display the time zone whose time you want to set or whose city code you want to change.
- Press $\langle A \rangle$ to make the cursor appear on the display.
- Press $\langle A \rangle$ to move the cursor in the following sequence.



- While the cursor is located at the hour and minutes digits, use the key pad to input the World Time setting.
- The 12-hour/24-hour format of the World Time matches the format you select in the Timekeeping Mode.
- If you are using the 12-hour timekeeping format, the A (AM) or P (PM) indicator flashes along with the left minutes digit. Press $\langle PM \rangle$ to switch between AM and PM.
- The seconds count of the World Time is synchronized with the seconds count in the Timekeeping Mode.
- While the cursor is located under the city code, use the key pad to change the city code.
- A city code can be up to three characters long.
- After you finish setting the time or changing the city code, use $\langle A \rangle$ to return to the World Time Mode.
- If you do not operate any button for a few minutes while the cursor is flashing on the display, the watch automatically goes back to the World Time Mode.
- Whenever battery power drops below a certain level, city codes all revert to their initial factory settings. However, they will return to the codes you input after you have the battery recharged.

To switch the World Time Mode between standard time and daylight saving time

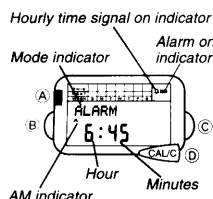
- In the World Time Mode, display the time zone you want.
- Hold down $\langle D \rangle$ to switch between standard time and daylight saving time.
- The indicator "♦" is shown on the display whenever daylight saving time is set.
- Note that the daylight saving time/standard time setting affects only the currently displayed time zone. Other zones are not affected.
- Note that you cannot switch Greenwich Mean Time (GMT) between standard time and daylight saving time.

To display the GMT differential

In the World Time Mode, hold down $\langle = \rangle$ to display the current GMT differential (the difference in time between the currently selected World Time zone and Greenwich Mean Time).

- Note that nothing happens if you press $\langle = \rangle$ while the GMT zone is selected in World Time.

ALARM MODE

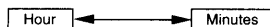


When the Daily Alarm is switched on, the alarm sounds for 20 seconds at the preset time each day. Press any button to stop the alarm after it starts to sound.
When the Hourly Time Signal is switched on, the watch beeps every hour on the hour.

- In the Alarm Mode, hold down (C) to illuminate the display.
- If you do not operate any button for a few minutes while in the Alarm Mode, the watch goes back to the Timekeeping Mode automatically.

To set the alarm time

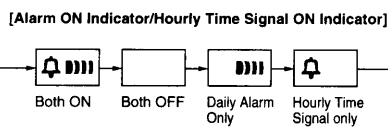
- While in the Alarm Mode, press (A) to make the cursor appear on the display. At this time the Daily Alarm is switched on automatically.
- Use the key pad to input the alarm time.
 - The cursor automatically moves to the right each time you input a number. You can also move the cursor using (B) and (D).



- The 12-hour/24-hour format of the alarm time matches the format you select in the Timekeeping Mode.
 - If you are using the 12-hour timekeeping format, the A (AM) or P (PM) indicator flashes along with the left minutes digit. Press (C) to switch between AM and PM.
 - When setting the alarm using 12-hour format, make sure that you set the time correctly as AM (A) or PM (P).
- 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 switch the Daily Alarm and Hourly Time Signal on and off

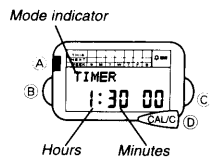
Press (D) while in the Alarm Mode to change the status of the Daily Alarm and Hourly Time Signal in the following sequence.



To test the alarm

Hold down (D) while in the Alarm Mode to sound the alarm.

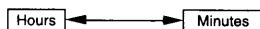
COUNTDOWN ALARM MODE



The countdown timer can be set within a range of 1 minute 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. This continues until you manually stop the countdown.
If you do not operate any button for a few minutes while in the Countdown Alarm Mode, the watch goes back to the Timekeeping Mode automatically.

To set the countdown time

- While in the Countdown Alarm Mode, press (A) to make the cursor appear on the display.
- Use the key pad to input the starting time.
 - The cursor automatically moves to the right each time you input a number. You can also move the cursor using (B) and (D).



- To set a starting time of 24 hours, input 0:00 00.
- After you input 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.

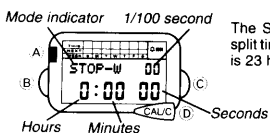
To use the countdown timer

- Press (D) while in the Countdown Alarm Mode to start the countdown timer.
- Press (D) again to stop the countdown timer.
- You can continue countdown timer operation by pressing (D).
- Stop the timer and then press (C) 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 switch auto repeat timing on and off

- While in the Countdown Alarm Mode, press (A) to make the cursor appear on the display.
- Press (C) to switch auto repeat on and off.
- When the end of the countdown is reached while auto repeat is on, the alarm sounds, but the starting countdown time is reset and countdown timing starts again automatically whenever the countdown reaches zero. You can stop timing by pressing (D), and manually reset to the starting countdown time by pressing (C).

STOPWATCH MODE

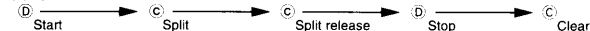


The Stopwatch Mode lets you measure elapsed time, split times, and two finishes. The range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.

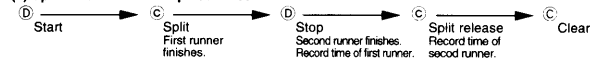
(a) Elapsed time measurement



(b) Split time measurement



(c) Split time and 1st-2nd place times



ABOUT THE LOW BATTERY WARNING



The upper part of the Schedule Memo display will start to flash whenever battery power drops below a certain level. Once this starts, anytime you try to perform any operation that involves memory contents (data input, editing, deletion, recall), the message "BATT." appears on the display and further operation becomes impossible. Be sure to have the battery replaced as soon as possible whenever the low battery warning appears.

TO REPLACE THE BATTERY

ALWAYS LEAVE BATTERY REPLACEMENT UP TO THE DEALER WHERE YOU BOUGHT THE WATCH OR TO AN AUTHORIZED CASIO DISTRIBUTOR. BE SURE TO SHOW THE FOLLOWING INFORMATION TO THE PERSON REPLACING THE BATTERY.

Attention dealer or CASIO distributor!

Be sure to use the following procedure when replacing the battery.

- Open and remove the back cover.
- If "CLOSE" appears on the display when you open the back cover, replace the back cover. Wait for a few minutes and try again.
- Remove the battery holder.
- Remove the battery.
- Load a new battery.
- Replace the battery holder.
- Touch the AC contact and the battery (+) side with metallic tweezers.
- Close the back cover. Operation will be impossible until the CHECK indicator disappears from the display.

Caution!

- Never open the back cover while the message "SORT" is on the display. Doing so will cause data to be deleted.
- If the ERROR message appears after you replace battery, use the procedure in Step 6 under "To Replace the Battery" to perform the ALL CLEAR operation once again. If the ERROR message remains on the display even after you perform the ALL CLEAR operation a number of times, it means there is error data present in memory. See the explanation under "About error data" for details about how to delete error data.

ABOUT ERROR DATA

Any of the following can cause data stored in memory to be corrupted:

- Strong electrostatic charge
- Severe impact
- Temperature or humidity extremes

This watch is designed to automatically check for corrupted data whenever a memory operation is performed. The message "CHECK" appears on the display whenever the check reveals that corrupted data is present.

Whenever the "CHECK" message appears, use (B) to enter each mode to find out where the corrupted data is. Anytime you enter the mode whose memory data is corrupted, the message "ERROR" appears on the display, along with the corrupted data. While the corrupted data is displayed, press (A) to delete it from memory. The watch performs another check for other corrupted data, and then returns to the normal display if it does not find any. Note that corrupted data must be deleted and cannot be repaired.

If the password becomes corrupted, "New?" appears in the password input display. In this case, input the correct password. All data in the secret memory area will be retained in memory.

CITY CODE TABLE

Difference between GMT	City code	City	Other major city in same time zone
-11	---	---	PAGO PAGO
-10	HNL	HONOLULU	PAPEETE
-09	ANC	ANCHORAGE	NOME
-08	LAX	LOS ANGELES	SAN FRANCISCO, LAS VEGAS, VANCOUVER, SEATTLE, DAWSON CITY
-07	DEN	DENVER	EL PASO, EDMONTON
-06	CHI	CHICAGO	HOUSTON, DALLAS, NEW ORLEANS, MEXICO CITY, WINNIPEG
-05	NYC	NEW YORK	MONTREAL, DETROIT, MIAMI, BOSTON, PANAMA CITY, HAVANA, LIMA, BOGOTA
-04	CCS	CARACAS	LA PAZ, SANTIAGO, PORT OF SPAIN
-03	RIO	RIO DE JANEIRO	SAO PAULO, BUENOS AIRES, BRASILIA, MONTEVIDEO
-02	---	---	---
-01	---	---	AZORES, PRAIA
+00	GMT	---	---
+00	LON	LONDON	DUBLIN, CASABLANCA, DAKAR, ABIDJAN
+01	PAR	PARIS	MILAN, ROME, MADRID, AMSTERDAM, ALGIERS, HAMBURG, FRANKFURT, VIENNA, STOCKHOLM, BERLIN, LISBON
+02	CAI	CAIRO	ATHENS, HELSINKI, ISTANBUL, BEIRUT, DAMASCUS
+03	JRS	JERUSALEM	CAPE TOWN
+04	JED	JEDDAH	KUWAIT, RIYADH, ADEN, ADDIS ABABA, NAIROBI
+05	DXB	DUBAI	ABU DHABI, MUSCAT
+06	KHI	KARACHI	---
+07	DAC	DHAKA	---
+08	BKK	BANGKOK	JAKARTA, PHNOM-PENH, HANOI, VIENTIANE
+09	HKG	HONG KONG	SINGAPORE, KUALA LUMPUR, BEIJING, TAIPEI, MANILA, PERTH, ULAN BATOR
+10	TYO	TOKYO	SEOUL, PYONGYANG
+11	SYD	SYDNEY	MELBOURNE, GUAM, RABAU
+12	NOU	NOUMEA	PORT VILA
+13	WLG	WELLINGTON	CHRISTCHURCH, SUVA, NAUROI ISLAND