OPERATION CHART: MODULE QW-1276

GENERAL GUIDE

• Press [ ] to change from mode to mode.
• Holding down [ ] in any mode returns to the Timekeeping Mode.

To set the time and date

1. Press [ ] while in the Timekeeping Mode. The seconds digits flash on the display because they are selected.
2. Press [ ] or [ ] to change the selection in the following sequence. Holding down either button changes the current selection at high speed.

- Press [ ] to switch between 12-hour and 24-hour formats.
- While the seconds digits are selected (flashing), press [ ] to reset the seconds to “00”. If you press [ ] 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 sec) are selected (flashing), press the keys on the keypad 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 hour digit. Press [ ] to switch between AM and PM.
- The date can be set within the range of January 1, 1990 to December 31, 2009. 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 2009.
- After you set the time and date, press [ ] to return to the Timekeeping Mode.

About the backlight
When you switch the backlight function on, the backlit of the watch flashes whenever a daily alarm, hourly time signal or schedule time alarm is sounding.

- The backlight of this watch employs an electro-luminescent (EL) light, which loses its illuminating power after very long use.

To switch the backlight function on and off

In the Timekeeping Mode, hold [ ] for one or two seconds to switch the backlight function on and off. When you switch the backlight function on, an indicator appears on the display as shown.

- The backlight function indicator remains on the display in all modes until you switch the backlight function off.
- The above operation controls operation of the backlight function only. It does not affect operation of audible tones and signals.
- The watch emits an audible sound whenever the display is illuminated. This is caused because the EL light vibrates slightly when it is not in Miller’s image (does not indicate malfunction of the watch).

TELEMETRO MODE

The Telememo Mode lets you store 50 pairs of name and telephone number data. The name can be up to 9 characters long and the numbers 12 digits each. Data is automatically sorted into alphabetical order based on the name data. You can recall data by scrolling through a sorted list.

- The Telememo Mode shares memory with the Schedule Memo Mode. 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 shared between the Telememo Mode and the Schedule Memo Mode, and how much memory is still available.

About the Schedule Graph

An indicator appears in the Schedule Graph whenever you input an appointment for the current week and the following week. When the current time is displayed in the Timekeeping Mode, the Schedule Graph shows all these appointments 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.

- The alarm does not sound in the following conditions:
  * Adjusting time or date in the Timekeeping Mode
  * Inputting data in the Schedule Memo Mode

INPUTTING TEXT AND NUMBERS

Text Area (up to 9 characters)

There are two areas in the display where you can input text and numbers. Text Area and Number Area are:

Text Area

You can input alpha characters (from A through Z), numbers, hyphens, spaces, periods, and commas as text for the Telememo’s name and memo, the Schedule Memo Mode’s message.

Number Area (up to 12 digits)

1. Hold down [ ] to make the cursor appear in the mode where you want to input text.
2. While the cursor is in the text area, use the key pad to input characters.
3. 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 [ ), for example, the input character changes in the sequence: V ← V ← U ← U ← V, etc. The letters that a key inputs are printed below the key, while the number 4 inputs is printed on the key.
4. To input spaces: use [ ].
5. To input hyphens: use [ ].
6. To input commas: use [ ].

To make changes and corrections, you can use [ ] and [ ] to move the cursor between characters.

Use [ ] to input characters. The display shows only 6 characters, but automatically scrolls from right to left so that all the characters that make up the text: the end of the text is indicated by an End mark (see the figure).

About the Schedule Graph

Current week

Following week

Schedule indicator

Schedule indicator

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

- The alarm does not sound in the following conditions:
  * Adjusting time or date in the Timekeeping Mode
  * Inputting data in the Schedule Memo Mode

About the Schedule Graph

Current week

Following week

Schedule indicator

Schedule indicator

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

- The alarm does not sound in the following conditions:
  * Adjusting time or date in the Timekeeping Mode
  * Inputting data in the Schedule Memo Mode

About the Schedule Graph

Current week

Following week

Schedule indicator

Schedule indicator

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

- The alarm does not sound in the following conditions:
  * Adjusting time or date in the Timekeeping Mode
  * Inputting data in the Schedule Memo Mode

About the Schedule Graph

Current week

Following week

Schedule indicator

Schedule indicator

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

- The alarm does not sound in the following conditions:
  * Adjusting time or date in the Timekeeping Mode
  * Inputting data in the Schedule Memo Mode

About the Schedule Graph

Current week

Following week

Schedule indicator

Schedule indicator

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

- The alarm does not sound in the following conditions:
  * Adjusting time or date in the Timekeeping Mode
  * Inputting data in the Schedule Memo Mode

About the Schedule Graph

Current week

Following week

Schedule indicator

Schedule indicator

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

- The alarm does not sound in the following conditions:
  * Adjusting time or date in the Timekeeping Mode
  * Inputting data in the Schedule Memo Mode
To input Telememo data (Before reading this section, see "INPUTTING TEXT AND NUMBERS" on the first page for details on inputting texts and numbers)

1. In the Telememo Mode, use [C] or [D] to display the blank page.
2. 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. Use the procedure in "To delete a specific telememo data" on this page to delete data.
3. Hold down A to make the cursor appear on the display.
4. Use [C] or [D] to move the cursor through the text area and the number area.
5. The cursor is in the text area, use the key pad to input the text you want. After you select the character you want, press B to advance the cursor to the right.
6. While the cursor is in the number area, use the key pad to input the numbers you want.
7. Note that you must input at least one character in the text area. You can skip input of numbers if you want.
8. After inputting the data you want, press A to store it into memory.
9. The message "SORT" appears on the display and stays there while data is being stored into alphabetical order. The new input display appears after the sort operation is complete.

The following shows how the display automatically changes if you do not operate any button for a few minutes while in the Telememo Mode:

To edit data stored in memory
1. While in the Telememo Mode, use [C] or [D] to scroll through the data items and display the one you want to edit.
2. Hold down A to make the cursor appear on the display.
3. Use A or D to move the cursor to the character you want to change.
4. Input the character you want to change to.
5. Press A to return to the normal Telememo Mode.

To delete a specific telememo data
1. While in the Telememo Mode, use [C] or [D] to display the data item you want to delete.
2. Press A and the cursor appears on the display.
3. Hold down C until the message CLEAR! appears on the display and a beeping sound. This indicates that the telephone number under the name selected are all deleted.
4. Input new data or press A to return to the normal Telememo Mode.

**SCHEDULE MODE**

The Schedule Memo Mode lets you store the month, date, and time of each appointment, along with a 12-character reminder message. The next schedule 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 watch it off by pressing any button on the key pad.

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 is reached, the alarm does not sound.

Note that the Schedule Memo Alarm only rings if the date matches the date and time of the current appointment. This means that if today's data is June 1, you can only receive a Schedule Memo Alarm data up to May 31 the following year.

**Checking Memory Usage**

While in the Schedule Memo Mode, hold down [A] to view how much memory is shared between the Schedule Memo Mode and the Telememo Mode, and how much memory is still available.

**About Schedule Memo Mode memory management**

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

**To input Schedule Memo data**

1. In the Schedule Memo Mode, use [C] or [D] until the blank page appears.
2. If the message 'FULL' appears on the display, it means that memory is full. To store more data, you will first have to clear some from memory. Use the procedure in "To delete a specific telememo data" on this page to delete data.
3. Hold down A and the digit changes to all zeroes. A cursor starts to flash.
4. Press A or D to move the cursor in the following sequence. Holding down either button changes the current selection at high speed.

**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 5 or 6 minutes while in the Calculator Mode, the watch goes back to the Timekeeping Mode automatically.

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

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

**Function command sign**

Appears when a number is set as a "constant"

1. When a number is set as a constant, "command keys ( - / x / + / = )" appear on the display.
2. "Command keys ( - / x / + / = )" appears on the display and a beeping sound indicates the data is deleted. At this time the cursor appears on the display ready for editing.

3. Input a new data item or press A to exit the data input operation and to return to the normal Schedule Memo Mode.

To test the Schedule Memo alarm

Hold down C while in the normal Schedule Memo Mode to sound the alarm.
**Independent Memory**

- To perform each of the following memory operation, press A to shift the keypadi (S) indicator (S) on display), and then press SCM, DME (L), or DME (10).
- The "M" indicator is shown on the display while there is a value stored in independent memory.
- Press A to add or subtract the displayed value from independent memory.
- M (L) indicator is shown on the display while there is a value stored in independent memory.

**Example**

<table>
<thead>
<tr>
<th>Operation</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 x 9 = 720</td>
<td>80000009</td>
</tr>
<tr>
<td>50 x 63 = 300</td>
<td>50000063</td>
</tr>
<tr>
<td>4800</td>
<td>4800</td>
</tr>
</tbody>
</table>

To switch the key input tone on and off

- In the Calculator Mode, hold down C for one or two seconds to switch the key input tone on and off. The key input multifunction selection you make in the Calculator Mode is applied to all other modes, except the Stopwatch Mode.

**WORLD TIME MODE**

**Current time in the selected city**

- 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.
- For full information on city codes, see the City Code Table at the end of this page.

- The left figure displays the current time in New York whose city code is "NYC.

To set the World Time

1. In the World Time Mode, press 0 (C) or 1 (D) to scroll through the World Time Zones. Display the Time Zone whose time you want to set.
2. Hold down A to make the cursor appear on the display.
3. Press B or C to move the cursor between the hour and minutes settings.
4. 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 Mode 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 hour digits. Press 0 (C) to switch between AM and PM.
- The seconds count of the World Time is synchronized with the seconds count in the Timekeeping Mode.
5. After you finish setting the time, use B to return to the normal World Time Mode (the right stop flashing).

- If you do not operate any button for a few minutes while the flashing is on the display, the watch automatically goes back to the normal World Time Mode.

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

1. In the World Time Mode, use 0 (C) or 1 (D) to display the time zone you want.
2. Hold down A to switch between standard time and daylight saving time.
- The indicator (S) 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.

**ALARM MODE**

- The Alarm on indicator lights when the Daily Alarm is activated.

**To set the Daily Alarm**

1. While in the Alarm Mode, press A and a cursor starts to flash on the display.
2. Use the key pad to input the alarm time.
- The cursor automatically moves to the right two digits at a time you input a number. You can also use B and C to move the cursor between the hour and minute settings.
- 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 hour digit. Press 0 (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).
3. After you set the alarm time, press A to return to the normal Alarm Mode. At this time, the alarm on indicator (seen above the figure) appears on the display indicating that the Daily Alarm is switched on.

The following shows how the display automatically changes if you do not operate any button for a few minutes while in the Alarm Mode.

- Alarm mode setting (the cursor is flashing)
- Alarm mode setting (no digits flash)
- Timekeeping mode setting

To switch the Daily Alarm and Hourly Time Signal on and off

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

- Both off
- Daily Alarm only
- Hourly Time Signal only
- Both on

**STOPWATCH MODE**

- The Stopwatch lets you measure elapsed time and split times. The range of the stopwatch is 23 hours, 59 minutes, 59.99 seconds.
- Use B button to enter the Stopwatch Mode before you perform the operation.

To measure elapsed time

1. Press A to start the stopwatch.
2. Press A to stop the stopwatch.
- You can return the measurement operation by pressing B again.
3. Press C to clear the stopwatch to all zeros.

To record split times

1. Press C to start the stopwatch.
2. Press A to display the timing up to that point.
3. Press B to stop the stopwatch.
4. Press A to display the timing of the second split.
5. Press C to clear the stopwatch to all zeros.

To time first and second place finishes

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

**CITY CODE TABLE**

<table>
<thead>
<tr>
<th>Difference between GMT</th>
<th>City code</th>
<th>City</th>
<th>Other major city in same time zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>-11</td>
<td>PACER</td>
<td>PASO PASO</td>
<td></td>
</tr>
<tr>
<td>-10</td>
<td>HNL</td>
<td>HONOLULU</td>
<td>PAPETTE</td>
</tr>
<tr>
<td>-09</td>
<td>ANC</td>
<td>ANCHORAGE</td>
<td>NONE</td>
</tr>
<tr>
<td>-08</td>
<td>LAX</td>
<td>LOS ANGELES</td>
<td>SAN FRANCISCO, LAS VEGAS, VANCOUVER, SEATTLE, DAVISON CITY</td>
</tr>
<tr>
<td>-07</td>
<td>DEN</td>
<td>DENVER</td>
<td>EL PASO, FRESNO</td>
</tr>
<tr>
<td>-06</td>
<td>CHI</td>
<td>CHICAGO</td>
<td>HOUSTON, DALLAS, NEW ORLEANS, MEXICO CITY, WASHINGTON, D.C.</td>
</tr>
<tr>
<td>-05</td>
<td>NYC</td>
<td>NEW YORK</td>
<td>MONTREAL, DETROIT, MIAMI, BOSTON, PANAMA CITY, MEXICO CITY, LA HAVANA, LIMA, BOGOTA</td>
</tr>
<tr>
<td>-04</td>
<td>CCS</td>
<td>CARACAS</td>
<td>LA PAZ, QUITO, PORT OF SPAIN</td>
</tr>
<tr>
<td>-03</td>
<td>RIO</td>
<td>RIO DE JANEIRO</td>
<td>SAO PAULO, BUENOS AIRES, BRASILIA, MONTEVIDO</td>
</tr>
<tr>
<td>-02</td>
<td>-.</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>-01</td>
<td>ADE</td>
<td>ADEN</td>
<td>PRAS</td>
</tr>
<tr>
<td>-00</td>
<td>LON</td>
<td>LONDON</td>
<td>DUBLIN, CASABLANCA, DAKAR, ALGIERS</td>
</tr>
<tr>
<td>-01</td>
<td>PAR</td>
<td>PARIS</td>
<td>MILAN, ROME, MADRID, AMSTERDAM, ALGIERS, HAMBURG, FRANKFURT, VIENNA, STOCKHOLM, BERLIN, LONDON</td>
</tr>
<tr>
<td>-00</td>
<td>CAY</td>
<td>CARACAS</td>
<td>ATHERS, HELENSKI, STUTTGART, BERLIN, DAMASCUS, CAPE TOWN</td>
</tr>
<tr>
<td>-03</td>
<td>JED</td>
<td>JEDDAH</td>
<td>KUWAIT, RIYADH, ADEN, DURBAN, NAIROBI, DUBAI</td>
</tr>
<tr>
<td>-04</td>
<td>DUB</td>
<td>DUBAI</td>
<td>ABU DHABI, MUSCAT</td>
</tr>
<tr>
<td>-05</td>
<td>KHL</td>
<td>KUALA LUMPUR</td>
<td>SINGAPORE, KUALA LUMPUR, SEOUL, SEOUL, MANILA, BEIRUT, IJAN BINTAN</td>
</tr>
<tr>
<td>-06</td>
<td>DAC</td>
<td>DAKAR</td>
<td>DAKAR</td>
</tr>
<tr>
<td>-07</td>
<td>BKK</td>
<td>BANGKOK</td>
<td>JAKARTA, PHUKET, HAKH, VIENTIANE</td>
</tr>
<tr>
<td>-08</td>
<td>HKG</td>
<td>HONG KONG</td>
<td>SINGAPORE, KUALA LUMPUR, SEOUL, SEOUL, MANILA, PORT, MAKASSAR, TOKYO, SEOUL, PROVINCIAS</td>
</tr>
<tr>
<td>-09</td>
<td>TGD</td>
<td>TOKYO</td>
<td>SEOUL, PONDICHERY</td>
</tr>
<tr>
<td>-10</td>
<td>SYD</td>
<td>SYDNEY</td>
<td>MELBOURNE, SINGAPORE, NUMI</td>
</tr>
<tr>
<td>-11</td>
<td>WUH</td>
<td>WUHAN</td>
<td>PENG VILA</td>
</tr>
<tr>
<td>-12</td>
<td>WLG</td>
<td>WELTON</td>
<td>HOLLAND, CHRISTCHURCH, DUYA, NAURU ISLAND</td>
</tr>
</tbody>
</table>

- 3 -