



TIMEX[®]

Your watch is
battery powered.
If the watch falls to
form, have
battery
replaced promptly
by your retailer.
202-096002

M-286

Because of possible loss, we recommend insuring your watch, return receipt requested, when using the mails. If you do not obtain a receipt within a reasonable time, start a tracer through the originating post office. Never include a special watchband or any other article of personal value in your shipment.

For your convenience in obtaining factory service, participating TIMEX Retailers will be pleased to provide you with a free, pre-addressed Watch Service Mailer.

If your watch is being returned under the terms of the TIMEX Limited Warranty, enclose a \$1.50 check or money order to cover cost of handling. (This is not a repair charge.) No additional charge will be made unless the warranty period has expired, or servicing is necessary for reasons beyond our control, in which case a moderate charge will be made.

Always refer to your warranty card for complete details of TIMEX service obligations.

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Congratulations!

You are now the owner of a TIMEX® MARATHON™ Digital Watch which incorporates a thinner design with these features:

Constant Readout There is a continuous display of hours, minutes, month, date, day, or seconds.

Automatic Calendar Adjustment There is no need to adjust your TIMEX. It is programmed to automatically compensate for months with less than 31 days. You have only to reset your watch at Leap Year.

Night Light There is a built-in Night Light so your display can be viewed in darkness.

100% Solid State Construction There is no balance wheel, mainspring, or gear, so your TIMEX MARATHON should be virtually maintenance free.

The information in this booklet will help you to understand how your TIMEX MARATHON works.

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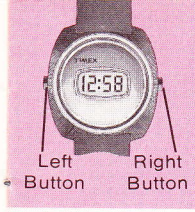
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How to start your TIMEX® MARATHON™

To start your TIMEX MARATHON, simply push the right and left button simultaneously.

How to operate your TIMEX MARATHON

1. Press the left button to illuminate for viewing in the dark.
2. To display the month/date and then the day, press the right button once and release. The month/date will be displayed momentarily, and then the day will be displayed momentarily and finally the time will reappear. On some models the day will be displayed before the month/date.
3. To display seconds, press the right button twice. Seconds will remain displayed until the right button is pressed again, and then the time will reappear.



How to set your TIMEX MARATHON

Rotate the left button so the flat side is toward the front of the watch.

To Set Month: Each time the left button is pressed, a different function will appear in the display window of your watch. Press the left button repeatedly until a number without a colon (:) appears on the left side of the display as illustrated. This number represents a month e.g. 4 is April. Press the right button and hold in until the number representing the proper month appears.

Date
Day
Hour
Minutes



To Set Date: Press the left button repeatedly until the date (no colon shows) appears on the right side of the display as illustrated. Press the right button and hold in until the proper date appears.



To Set Day of Week: Press the left button repeatedly until the day appears on the right side of the display. Press the right button and hold in until the proper day appears.

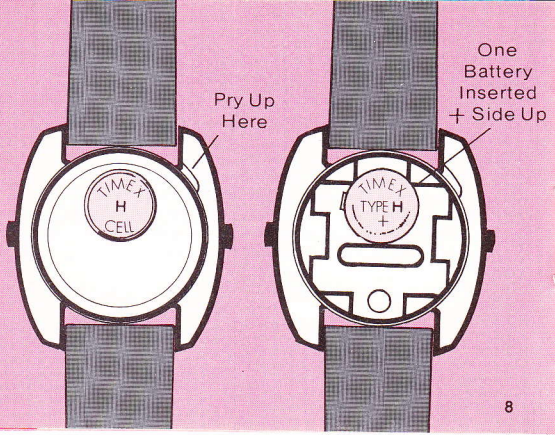


To Set Hour: Press the left button repeatedly until the hour (colon shows) appears on the left side of the display and "A" (AM) or "P" (PM) appears on the right side of the display as illustrated. Press the right button and hold in until the correct AM or PM hour appears.



setting

To Set Minutes: Press the left button repeatedly until the minute (colon shows) appears on the right side of the display as illustrated. Press the right button and hold in to set one or two minutes ahead of the correct time. Press the left button once to display the hour and minute (colon not flashing). At the exact instant when the correct time is the same as the displayed time, press the right button once (colon will start flashing). Seconds are automatically set to zero when minutes are set. Rotate the left button so that the flat side is toward the back of the watch. The watch is now set and the buttons are in the normal operating position.



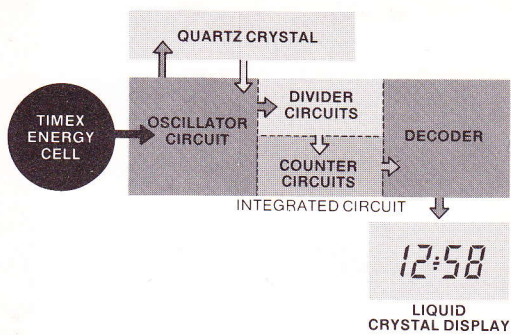
How to change your Energy Cell

One TIMEX Energy Cell - Type H (1504) - provides the power to operate your TIMEX MARATHON. To replace the cell, proceed as follows:

1. Insert a thin edge into the opening under the caseback and carefully pry the caseback off.
2. Remove the old Energy Cell.*
*Do not dispose of old Energy Cell in fire or attempt to recharge.
3. Insert a new Timex Energy Cell - Type H (1504) - with the positive side facing up (as illustrated).
4. Realign the caseback and press it firmly into place. Reset the month, date, day, and time. (Refer to Setting Instructions).

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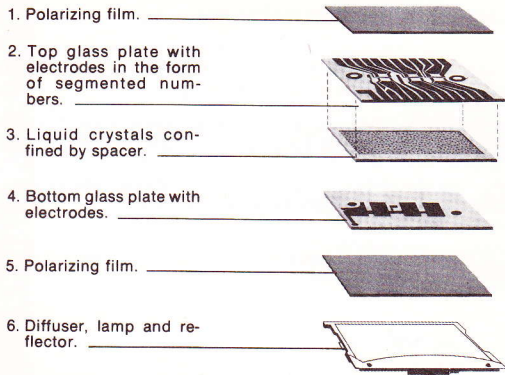
energy cell



How your TIMEX MARATHON works

A schematic drawing of the TIMEX Digital timekeeping system is shown on Page 10. All of the system's major circuits are integrated into a tiny silicon chip containing over 2,000 transistors in a space less than 1/5 of an inch on a side. The system is powered by one small TIMEX Energy Cell. Energy from the cell is directed through an oscillator circuit, which causes the quartz crystal to send electrical pulsations (32,768 times per second) to the divider circuits. The divider circuits then reduce these electrical pulses to one pulse per second. These once per second pulses are counted and, by means of the logic circuits in the decoder section, are directed to the appropriate electrodes on the liquid crystal display to show the time or the date.

system



The Liquid Crystal Display (LCD) System

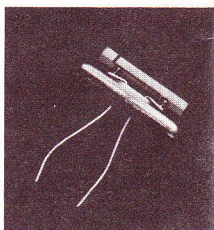
Your TIMEX MARATHON shows you the time, date, day, or seconds. But how does the display work?

In the TIMEX MARATHON a thin, transparent layer of highly-purified liquid crystal material is sealed between glass plates. These plates carry transparent electrodes in the shape of segmented numerals. When an electrical field is applied across opposite electrodes, the numerals turn dark, allowing you to read the time, date, day, or seconds. With a push of a button, a light will illuminate the display to allow viewing in the dark.

The "Excitable" Quartz Crystal

Quartz is probably as old as our planet. It is a common mineral with an uncommon characteristic. It seems inert. But when connected to proper electronic circuits, it will pulsate at a steady, unvarying rate.

The quartz crystal in your TIMEX MARATHON is designed to vibrate 32,768 times per second, and the rhythm of these pulsations is extremely stable. Thus, the quartz crystal creates a dependable time standard, maintaining a constant rate with great precision.



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Care and Servicing of your TIMEX MARATHON

CARE: If the time display window becomes damaged, have it replaced at once. When your TIMEX Energy Cell is depleted, it should be replaced promptly. We recommend that you use a genuine TIMEX Energy Cell, Type H (1504). It may be obtained from your local TIMEX Retailer or Authorized TIMEX Warranty Service Center.

SERVICE: If your TIMEX MARATHON should ever need servicing, either send it to TIMEX addressed as follows:

PRODUCT SERVICE
P.O. BOX 2740
LITTLE ROCK, AR. 72203

or take it to an Authorized TIMEX Warranty Service Center. Consult the yellow pages in your telephone directory under "Watches - Repairing" for the listing of a Center near you.

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