[Reading the display]

[Regular timekeeping]

Month
Day Date
(Light)

Press ©.

[Calculator]

Press ©.

[Daily alarm]
Time-signal-ON-mark
Alarm-ON-mark
AM

Press ©.

[Dual time]

Press ©.

[Countdown alarm]

Press ©.

[Stopwatch]

Press ©.

PM
Minute
Hour Second

If the © button is pressed after calculation, the display reverts to the time display. The calculator display will automatically return to the time display in 6 or 7 minutes.

Alarm No. indicator

Hour
Minute

Mode indicator

Hour Second
Minute

Mode indicator

Hour Second
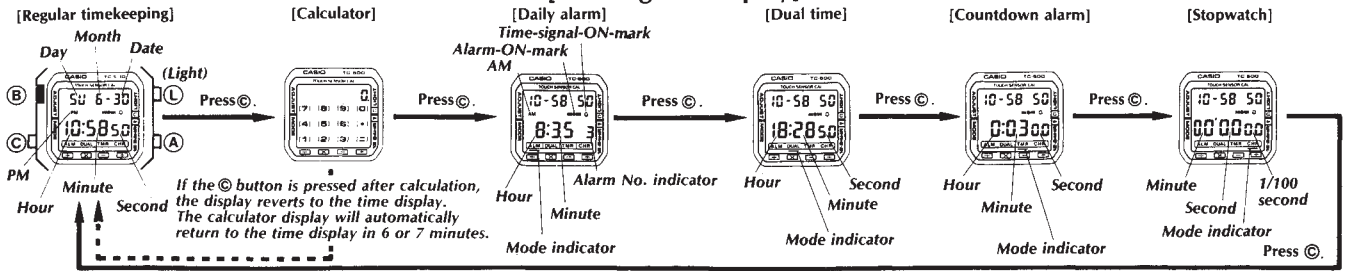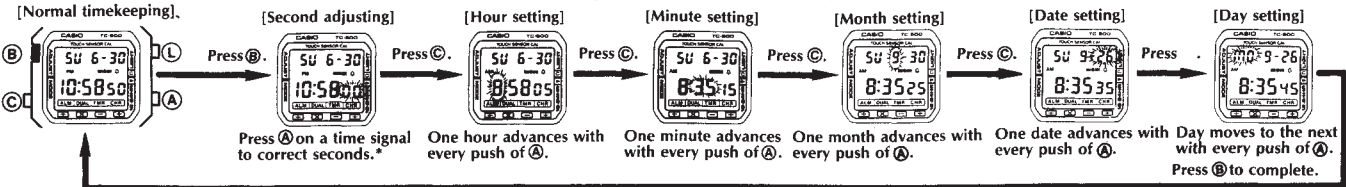Minute

Mode indicator

Minute 1/100 second
Second
Mode indicator
Press ©.

SU: Sunday MO: Monday TU: Tuesday WE: Wednesday TH: Thursday FR: Friday SA: Saturday

(Changeover between 12-hour and 24-hour formats)
In the regular timekeeping and dual time modes, every time the Ⓐ button is pressed, the display switches between 12-hour and 24-hour formats.

[Setting time and calendar]

[Normal timekeeping]

Press Ⓑ.

[Second adjusting]

Press ©.

[Hour setting]

Press ©.

[Minute setting]

Press ©.

[Month setting]

Press ©.

[Date setting]

Press .

[Day setting]

Press Ⓐ on a time signal to correct seconds.*

One hour advances with every push of Ⓐ.

One minute advances with every push of Ⓐ.

One month advances with every push of Ⓐ.

One date advances with every push of Ⓐ.

Day moves to the next with every push of Ⓐ.
Press Ⓑ to complete.

*Precise time can be maintained by correcting the seconds once a month on a time signal from a radio, TV, telephone, etc.
(Quick digit advance) When the Ⓐ button is pressed for more than 2 seconds, the digit advances quickly. When released, the digit advance will stop.
(Independent correction) Correction of any digit, if not required, can be skipped by pressing the © button repeatedly.
(Reversion to normal timekeeping mode) The watch reverts to the normal timekeeping mode if the Ⓑ button is pressed, regardless of the digit setting mode.
(Auto-retrieve function) Any setting display will automatically return to the regular timekeeping mode in 2 or 3 minutes.

[Calculator operation]

• Clears entry for correction.
• Releases overflow or error check. Overflow is indicated by an "E" sign and stops the calculation. Overflow occurs when the integer part of an answer, whether intermediate or final, exceeds 8 digits (7 digits for negatives).

Silences the tone to save battery. To retrieve sound, press again.

Enters numerals.
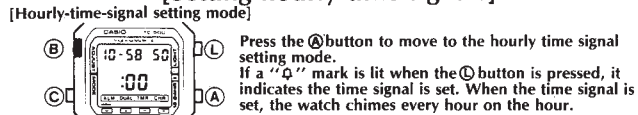For decimal places, use the (•) key in its logical sequence.

A function command sign (flashes when a number is set as a constant).

Deletes the displayed number by one digit for entry correction.

Obtains answer.

Perform the four basic calculations. An incorrect function command is corrected by touching the correct key.
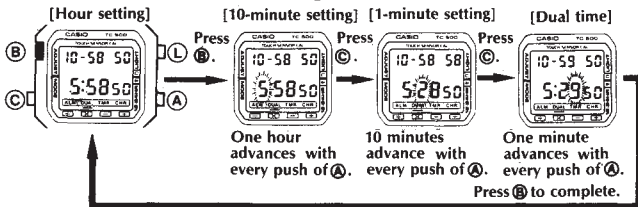
This watch employs a system known as CTDS (Crystal Touch Detection System) which permits calculation by touching the top of the crystal with your fingertip. This system uses transparent electrodes in the crystal surface to detect electrostatic capacitance of the human body and transmits it as a command to the LSI circuitry.
Precautions
• Key input will become difficult in low temperatures or when the air is dry.
• Avoid operation when moisture or dirt are present on the crystal surface. Wipe off with a dry, soft cloth prior to operation.
• If the side buttons are pressed while your finger is touching the crystal surface, key input will become difficult. In this case, press the Ⓐ or Ⓛ button.
• When calculating with the watch removed from your wrist, touch the case with your other hand.
• A special process has been used in manufacturing the crystal surface. Therefore, key input may become impossible if the crystal is scratched. Do not operate with small particles of sand on the crystal surface.

Be sure to press the Ⓛ button when starting calculations.

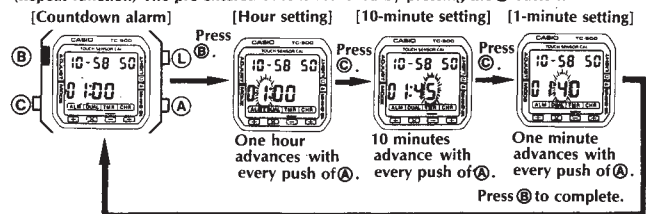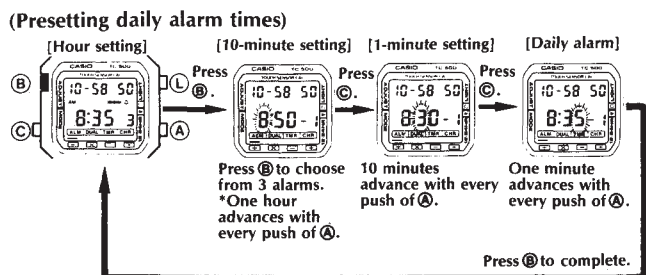| EXAMPLE	OPERATION	READ-OUT
Basic calculation: (12 − 0.5) × 3 ÷ 7 = 4.9285714 . . .	Ⓛ12 ⊟ [•] 5 ⊠ 3 ÷ 7 =	4928571.4
Constant calculation: 3 + 4 = 7 (4 is constant)	Ⓛ4 ⊞ ⊞ 3 =	7
8 + 4 = 12	8 =	12
3 − 4 = −1	Ⓛ4 − ⊟ 3 =	-1
8 − 4 = 4	8 =	4
3 × 4 = 12	Ⓛ4 ⊠ ⊠ 3 =	12
8 × 4 = 32	8 =	32
3 ÷ 4 = 0.75	Ⓛ4 ÷ ÷ 3 =	0.75
8 ÷ 4 = 2	8 =	2
25² = 625	Ⓛ25 ⊠ ⊠ =	625
25³ = 15625	=	15625
25⁴ = 390625	=	390625
$\frac{1}{4}$ = 0.25	Ⓛ4 ÷ ÷ 1 =	0.25
$\frac{1}{4^2}$ = 0.0625	=	0.0625
$\frac{30}{15 + 45}$ = 0.5	Ⓛ15 ⊞ 45 ÷ ÷ 30 =	0.5
Overflow: 12345678 × 10000 = 123456780000	Ⓛ12345678 ⊠ 1000 =	1234567.E

[Countdown alarm operation]

The countdown can be set from one minute to 11 hours 59 minutes, and times to an accuracy of one second. Start/stop operation is possible by pressing the Ⓐ button and is confirmed by a signal. When the display reaches zero, the buzzer will sound for 10 seconds unless the Ⓛ button is pressed.
(Repeat function) The pre-entered time is retrieved by pressing the Ⓛ button.

[Countdown alarm]

Press Ⓑ.

[Hour setting]

Press ©.

[10-minute setting]

Press ©.

[1-minute setting]

One hour advances with every push of Ⓐ.

10 minutes advance with every push of Ⓐ.

One minute advances with every push of Ⓐ.
Press Ⓑ to complete.

[Setting hourly time signals]

[Hourly-time-signal setting mode]

Press the Ⓐ button to move to the hourly time signal setting mode.
If a "♪" mark is lit when the Ⓛ button is pressed, it indicates the time signal is set. When the time signal is set, the watch chimes every hour on the hour.

[Presetting dual time]

[Hour setting]

Press Ⓑ.

[10-minute setting]

Press ©.

[1-minute setting]

Press ©.

[Dual time]

One hour advances with every push of Ⓐ.

10 minutes advance with every push of Ⓐ.

One minute advances with every push of Ⓐ.
Press Ⓑ to complete.

(Quick digit advance) When the Ⓐ button is pressed for more than 2 seconds, the digit advances quickly. When released, the digit advance will stop.

[Setting daily alarms]

Three daily alarms can be set individually in the same way. In each alarm mode, every time the Ⓛ button is pressed, a "" mark appears or disappears. When it is lit, the alarm sounds at the preset time for 20 seconds. To stop the buzzer, press the Ⓛ button.
(Sound demonstration) Press and hold the Ⓐ button to sound buzzer.

(Presetting daily alarm times)

[Hour setting]

Press Ⓑ.

[10-minute setting]

Press ©.

[1-minute setting]

Press ©.

[Daily alarm]

Press Ⓑ to choose from 3 alarms.
*One hour advances with every push of Ⓐ.

10 minutes advance with every push of Ⓐ.

One minute advances with every push of Ⓐ.

Press Ⓑ to complete.

*When the watch is in the 24-hour system, the alarm time is displayed in the 24-hour system.

[Stopwatch operation]

A signal confirms start/stop operation.
(Working range) The stopwatch display is limited to 59 minutes 59.99 seconds, for longer times reset and started again.

(a) Net time measurement
Ⓐ ——————→ Ⓐ (Time loss)   Ⓐ ——————→ Ⓐ ——————→ Ⓛ
(Start)   (Stop)   (Re-start)   (Stop)   (Reset)

(b) Lap time measurement
Ⓐ ——————→ Ⓛ ——————→ Ⓛ ——————→ Ⓐ ——————→ Ⓛ
(Start)   (Lap)   (Lap release)   (Stop)   (Reset)

(c) 1st-2nd place times
Ⓐ ——————→ Ⓛ ——————→ Ⓐ ——————→ Ⓛ ——————→ Ⓛ
(Start)   (Lap)   (Stop)   (Lap release)   (Reset)
The first runner finishes.   The second runner finishes. Record the time of the first runner.   Record the time of the second runner.