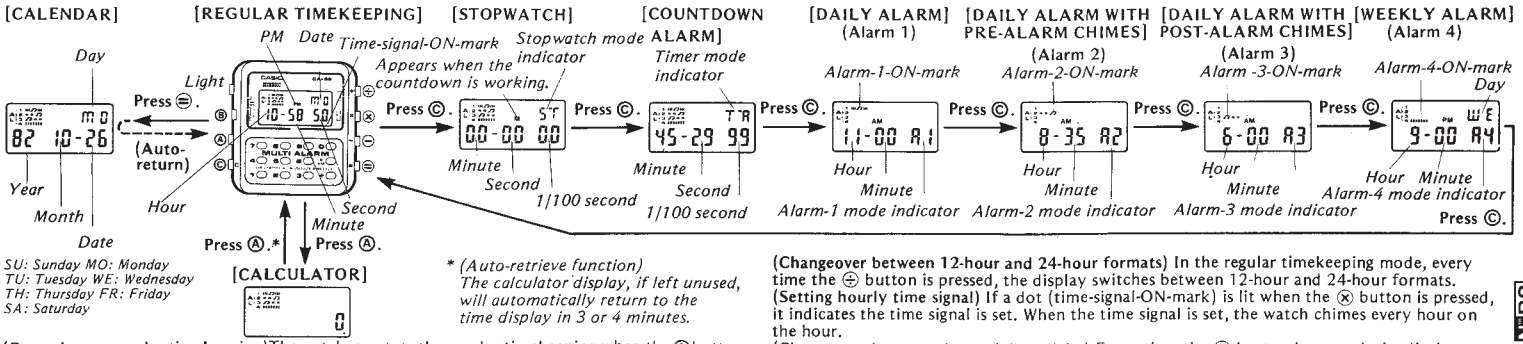
Module No.166

Model: CA-95, CA-951, etc.

[Reading the display]



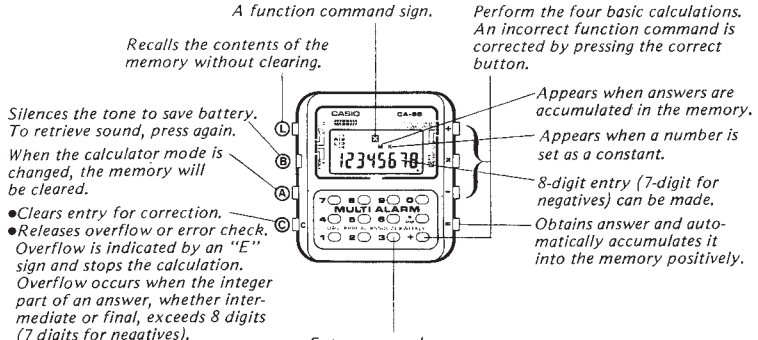
SU: Sunday MO: Monday
TU: Tuesday WE: Wednesday
TH: Thursday FR: Friday
SA: Saturday

*(Auto-retrieve function)
The calculator display, if left unused, will automatically return to the time display in 3 or 4 minutes.

(Reversion to regular timekeeping) The watch reverts to the regular timekeeping when the Ⓐ button is pressed, regardless of the mode.

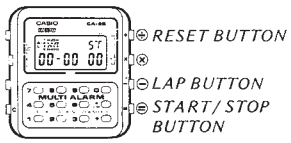
(Changeover between 12-hour and 24-hour formats) In the regular timekeeping mode, every time the ⊕ button is pressed, the display switches between 12-hour and 24-hour formats.
(Setting hourly time signal) If a dot (time-signal-ON-mark) is lit when the ⊗ button is pressed, it indicates the time signal is set. When the time signal is set, the watch chimes every hour on the hour.
(Changeover between day and date digits) Every time the ⊖ button is pressed, the display switches between day and date digits.

[Calculator operation]

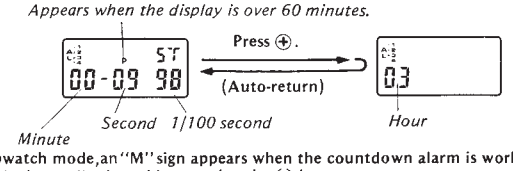


EXAMPLE	OPERATION	READ-OUT	EXAMPLE	OPERATION	READ-OUT
Basic calculations: (12 − 0.5) × 3 ÷ 7 = 4.9285714 . . .	©12⊖⊡5 ⊗3⊕7⊜	4928571 4	3 × 4 = 12	©4⊗⊗3⊜	12
			(4 is constant) 8 × 4 = 32	8⊜	32
Constant calculations: 3 + 4 = 7	©4⊕⊕3⊜	7	3 ÷ 4 = 0.75	©4⊕⊕3⊜	0.75
(4 is constant) 8 + 4 = 12	8⊜	12	8 ÷ 4 = 2	8⊜	2
3 − 4 = −1	©4⊖⊖3⊜	−1	Memory calculations: 24 × 2 = 48 +) 99 ÷ 3 = 33 81	©©24⊗2⊜	48
8 − 4 = 4	8⊜	4		99⊕3⊜Ⓛ	81

[Stopwatch operation]



A tone confirms start/stop operation. The tone sounds at 10-minute intervals. If the ⊕ button is pressed while the stopwatch is working, the display is reset to zero.
(Working range) The stopwatch display is limited to 23 hours 59 minutes 59 seconds. 99. Thereafter it can be reset and started again. The hour digits can be shown by pressing the ⊕ key.



In the stopwatch mode, an "M" sign appears when the countdown alarm is working, and the ⊜ button locks until released by pressing the ⊕ button.

(a) Net time measurement
(Start) (Stop) (Time loss) (Re-start) (Stop) (Reset)
(b) Lap time measurement
(Start) (Lap) (Lap release) (Stop) (Reset)
(c) 1st-2nd place times
(Start) (Lap) The first runner finishes. (Stop) The second runner finishes. Record the time of the first runner. (Lap release) Record the time of the second runner. (Reset)

[Countdown alarm operation]

The countdown can be set from one minute to 99 minutes, and times to an accuracy of 1/100th 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 20 seconds unless the Ⓛ button is pressed.
(Repeat function) The pre-entered time is retrieved by pressing the ⊕ button.*
(Pre-entering countdown alarm)
1) Press Ⓑ in the countdown alarm mode to set minutes.**
2) Enter minutes by pressing numeral keys.
3) Press Ⓑ to complete.

* When the stopwatch is used, the pre-entered time will be reset.
** When the countdown is pre-entered, the contents of the stopwatch will be reset.

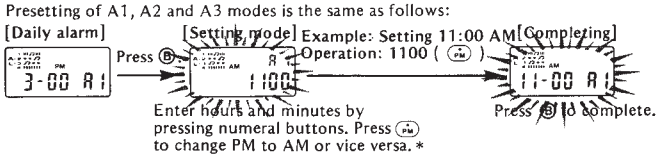
[Setting daily/weekly alarm times]

(Sound demonstration)
In each alarm mode (A1 – A4), the melody alarm will sound, if the ⊜ button is pressed. To stop the melody alarm, press the Ⓛ button.
(ON or OFF setting of daily/weekly alarms)
In each alarm mode, every time the ⊕ button is pressed, the alarm-ON-mark appears or disappears. When the alarm-ON-mark is lit, the melody alarm sounds until cleared.

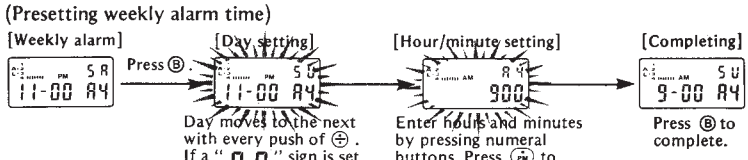
Alarm mode	Type of alarm	Alarm-ON-mark	Description	Melody/Chime
A1	Daily alarm	♪	The melody sounds every day at the preset time.	Scarborough Fair (Paul Simon & Art Garfunkel)
A2	Daily alarm with pre-alarm chimes	♪	The 2-second chime sounds five and ten minutes before the preset time and the melody sounds at the preset time.	Syncopated Clock (L. Anderson)
A3	Daily alarm with post-alarme chimes	♪	The melody sounds at the preset time and 2-second chime sounds five and ten minutes after the preset time.	8 repetitions of Do, La, Fa, La.
A4	Weekly alarm	♪	The melody sounds every week at the preset time.	16 repetitions of Do, Mi, Sol.

(Presetting daily alarm time)

Presetting of A1, A2 and A3 modes is the same as follows:



(Presetting weekly alarm time)



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

[Readjusting an error up to ±30 seconds]

1) Press Ⓑ during regular timekeeping to correct seconds.
2) Press ⊜ on a time signal.
Gains or losses within 30 seconds can be corrected. Precise time can be maintained by correcting the seconds once a month on a time signal from a radio, TV, telephone, etc.

[Setting time]

1) Press Ⓑ in the regular timekeeping mode to set hours and minutes.
2) Enter hours and minutes by pressing numeral buttons.
Press (PM) to change AM to PM or vice versa.
Example: Setting 10:58 PM Operation: 1058 PM (3 or 4-digit input)
3) Press Ⓑ on a time signal.

[Setting calendar]

1) Press Ⓑ in the regular timekeeping mode to set year, month and date.
2) Enter year, month and date by pressing numeral buttons.
Example: Setting June 14 (Mon.), 1982 Operation: 19820614 (8-digit input)
3) Press Ⓑ to complete.