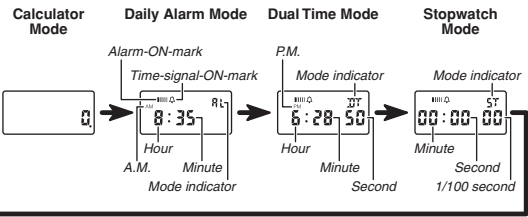
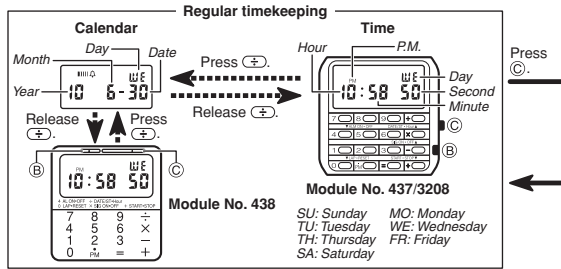


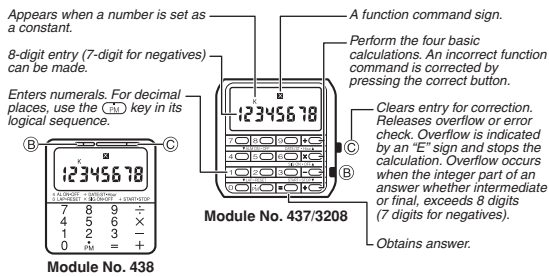
# Operation Guide 437/438/3208

## Reading The Display



(Reversion to regular time) The watch reverts to the regular timekeeping display after operating in any mode.  
 (Auto return feature) The watch will return to the regular timekeeping display automatically if you do not perform any operation for five or six minutes in the calculator or alarm display.

## Calculator Operation



EXAMPLE	OPERATION	READ-OUT	EXAMPLE	OPERATION	READ-OUT
Basic calculation: (12 - 0.5) × 3 + 7 = 4.9285714 ...	12 (−) 0.5 (×) 3 (+) 7 (=)	4.9285714	3 × 4 = 12 (4 is constant)	4 (C) (×) 3 (=)	12
Constant calculation: 3 + 4 = 7 (4 is constant)	4 (C) (+) 3 (=)	7	8 × 4 = 32	8 (C) (=)	32
8 + 4 = 12	8 (C) (=)	12	3 + 4 = 0.75	4 (C) (+) 3 (=)	0.75
3 - 4 = -1	4 (C) (-) 3 (=)	-1	8 ÷ 4 = 2	8 (C) (÷) (=)	2
8 - 4 = 4	8 (C) (=)	4	Power calculation: 3 <sup>2</sup>	3 (C) (x <sup>2</sup> ) (=)	9
			3 <sup>3</sup>	(C) (x <sup>3</sup> ) (=)	27

To save battery power, press the (M) button in the calculator mode to silence the tone. To retrieve sound, press the (M) button again.

## Setting Daily Alarm Time

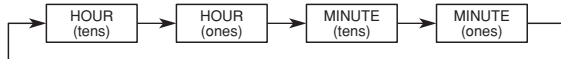
Every time the (A) button is pressed in the alarm time mode, the alarm-ON-mark (||||) appears or disappears. When the alarm-ON-mark is lit, the buzzer sounds for 20 seconds at the preset time every day until cleared. To stop the buzzer while sounding, press any button.

(Setting the time signal) Every time the (X) button is pressed in the alarm time mode, the time-signal-ON-mark (Δ) appears or disappears. When the time-signal-ON-mark is lit, the watch sounds every hour on the hour.

(Sound demonstration) While both (O) and (+) buttons are pressed simultaneously, the buzzer sounds.

[Presetting alarm time]

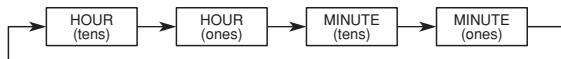
- Press (M) to set new alarm time.
- Press (A) to set PM or AM.\*
- A numeral can be entered in the flashing position by pressing the required numeral key. The flashing digit can be shifted in the following order:



- Press (M) to complete setting.  
\* When the watch is in the 24-hour system, the alarm time is displayed in that system.

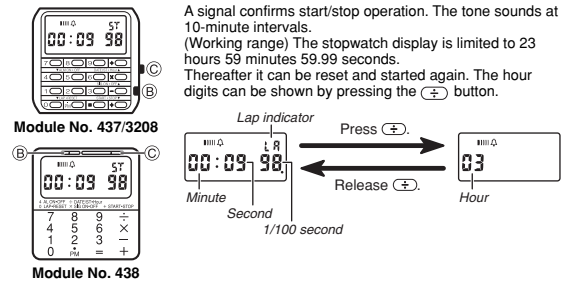
## Setting Dual Time

- Press (M) to set new time in dual time mode.
- Press (A) to set PM or AM.\*
- A numeral can be entered in the flashing position by pressing the required numeral key. The flashing digit can be shifted in the following order:



- Press (M) to complete setting.  
\* When the watch is in the 24-hour system, the dual time is displayed in that system.

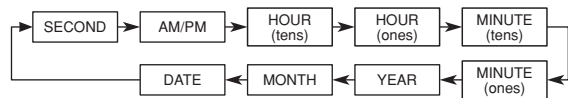
## Stopwatch Operation



- Elapsed time**  
Start → Stop → Re-start → Stop → Reset
- Lap time**  
Start → Lap → Lap release → Stop → Reset
- Two finishes**  
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.

## Setting Time And Calendar

- To set time and calendar, press (M) in the regular timekeeping mode.
- Press the (O) key on a time signal to correct seconds.
- Press (C) to move the flashing in the sequence shown below to select the other settings.



- AM or PM can be entered by pressing the (PM) button.\*
  - 4) A numeral can be entered in the flashing position by pressing the required numeral key.
  - 5) Press (M) to complete setting.
- \* While setting time and calendar, with every push of (+), the display is switched between 12-hour and 24-hour formats.

## Specifications

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**Accuracy at normal temperature:**  $\pm 15$  seconds a month

**Display capacity:**

- Regular timekeeping  
Hour, minute, second, am/pm, year, month, date and day on its double display  
Time format: 12-hour and 24-hour  
Calendar system:
  - (Module No. 437/438) Auto-calendar pre-programmed to the year 2079
  - (Module No. 3208) Auto-calendar pre-programmed from the year 2000 to 2099
- Calculator mode  
8 digits (7 digits for negatives)  
Abilities: Four basic calculations, chain & mixed operations, constants for + / - /  $\times$  /  $\div$ , power calculation  
Decimal point: Full floating with underflow  
Overflow check: Indicated by the "E" sign, locking the calculator mode
- Stopwatch mode  
Measuring unit: 1/100 second  
Measuring capacity: 23 hours, 59 minutes, 59.99 seconds  
Measuring modes: Elapsed time, lap time, two finishes
- Dual time mode
- Daily alarm mode
- Hourly time signal

**Battery:**

- (Module No. 437/3208)  
One lithium battery [Type: CR2016]  
Approx. 5 years operation on type CR2016  
(Includes the alarm for 20 seconds and calculation for 1 hour per day)
- (Module No. 438)  
One lithium battery [Type: CR1616]  
Approx. 3 years operation on type CR1616  
(Includes the alarm for 20 seconds and calculation for 1 hour per day)

*NOTE: THERE IS NO WAY unit components can be damaged or malfunction, due to misoperation of buttons. If confusing information appears on the display it means entry sequence was incorrect. Please read the manual and try again.*