





Power Supply

The power supply, input, and output circuits are electrically isolated inside the Counter.

When turning the power ON and OFF, input signal reception is sometimes possible, sometimes not possible, and sometimes unstable, as shown in the diagram below.

Power ON supply OFF _				
	200 ms	0 to 1	00 ms 10 <u>ms</u>	0 to 900 ms
Input signal reception	Impossible	Unstable	Possible	Unstable Impossible

 Turn on or off the operating power source all at once by using switch or relay contact.

SUITABILITY FOR USE

You must allow sufficient leeway in ratings and performance and provide proper fail-safe and other safety measures when using the Unit in any of the following applications. Be sure also to consult with your OMRON representative before actually attempting any of these applications.

- 1. Applications under conditions or environments not specified in user manuals.
- Applications for nuclear reactor control, train facilities, aviation facilities, motorized vehicles, furnaces, medical equipment, amusement equipment, and safety equipment.
- 3. Applications strongly related to human life or property, particularly those requiring safety.

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Note: Specifications subjectto change without notice. Printed in Japan



3. Use the UP Keys (1 to 6) to change the values of the digits.

• When an UP Key is pressed, the corresponding digit starts flashing.

· The preset value is zero-suppressed. Each time the UP Key is pressed, the value changes in sequence, from $1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 6 \rightarrow 7 \rightarrow 8 \rightarrow 9 \rightarrow 0 \rightarrow 1$

r→ 1→2→3→4→5→6→7→8→9→0 ¬

In the following example, the forecast value of counter 2 is set to 35000.

4. Press the SET Key to enter the set value. · If no key is pressed within 5 seconds after the (SET) Key has been pressed, RUN mode is automatically restored.

Ũ 2 -35000

2 35000

2 35000

(The display is changed automatically after the set forecast value has flashed.)



0

0

 Press the COUNTER No. Key (or turn ON the counter number selection input) to select the Counter to be reset. . The counter value can be reset in all modes except initial setting mode and re-monitor mode.

2. Press the RESET Key (or turn ON the reset input) to reset the count value to 0 for that counter only.

(2) Resetting of All Counters at the Same Time Press and hold both the COUNTER No.) and RESET Keys for 3 seconds to reset the count value for all counters to 0. . The same operation is achieved by simultaneously turning ON the counter number selection and reset inputs for 3 seconds.





8 100000

<u>A 100000</u>

23455

3200000

Û

1

Π

0

0

0

3. When the RESET Key is pressed (or the reset input turns ON), the re-monitor value and the counter number will flash 3 times and the only the count value for that counter will be returned to the value prior to being reset.



12. Self-diagnosis Function

The following displays are made when errors occur

1. CPU Errors

- CPU errors occur when a runaway CPU is detected.
- · All inputs and outputs are prohibited during CPU errors.
- Turn OFF the power or press the RESET Key to clear
- the error and restore the settings and count values

to the values before the error.

2. Memory Errors

Memory errors occur when an error has been detected within the memory.

- All inputs and outputs are prohibited during memory errors.
 All settings (pre-forecast, forecast, and machine stoppage values) will be returned to 0.
- Turn OFF the power or press the RESET Key to clear
- the error and return the count values for all counters to 0.
- 3. Kev Errors
- Key errors occur when any key has been pressed and held continuously for 5 minutes.
- · All inputs and outputs are prohibited during key errors.
- \cdot Turn OFF the power supply or press the $\ensuremath{\left(\text{RESET} \right)}\ensuremath{\,\text{Key}}$

to clear key errors.





