



Counter output operation type

OUT1: retentive output

type 1 OUT2: retentive output / count continuation

Sub mode

Add mode



(Note)

1) SET1 and OUT1 are effective only for dual setting.

 shows "one-shot output" (10ms ~ 9990ms). 3) type5、6、9 is effective only for dual setting.

4) Because 2.5ms is required for automatic resetting when 5kHz

of speed setting is arranged .So you cannot select the 5kHz speed for type 2 and 6.

Table of error

Display		Description [®]
Count number	Preset number	Description
FFFFFF	Preset number	Counter overflow
-FFFFF	Preset number	Counter underflow
Err	PSEt	Preset value memory data error
		Errors for exceeding a range of internal
	PSEt2	counting when the preset value is
	PSEt1	divided by the prescale value. with
		classification of '1' or '2'.
	SPEED	Count speed memory data error
	C — o P	Output operation mode memory data error
	out — t1	OUT1 output time memory data error
	out - t2	OUT2 output time memory data error
	SCALE	Prescale memory data error
	Point	Decimal point memory data error

The memory data error will be generated whenever the setting data change to the unrealistic data.

How to release from the error condition

Depress RST key for counter overflow or underflow to reset the counter Or release the error display when the count number return to the number within the range of the display.

Depress ENT key for other setting errors to delete the error display. The error will be release when the correct setting number is then input. Note:

OThe counter is correctly counting numbers within a range of -2147483.648 to 2147483.647 in the counter, even when a counter overflow or underflow error is generated.

O The error will be checked when the power source is turned on. The counting or outputting operation will not be made except during an overflow or underflow error.

Caution

- The 0V terminal () for DC-type counters of power supply and the input common (0V) terminal (5) are connected in the counter.
- The power source voltage should be instantly applied for the rated voltage by the switch or relay instead of gradual voltage increasing.
- A surge current may be given whenever the power source is applied because if the switching type of power supply built in for the internal circui of the counter. Be careful to use a power supply of enough capacity.
- Be sure to reset the count value Whenever the initial setting is corrected.
- Be sure to use a power supply of DC20V-30V for connecting the DC-type counters with the DC2 wire type of proximity switch.
- Use the counter with negative logic setting for input logic if the 2 wire type of proximity switch is connected
- The correction of the pre-set value in the middle of counting will be
- effective from the time when ENT key is depressed Be sure to keep the initial setting and the pre-set value in memory for

maintenance

Avoid using this product under the following conditions:

(1) Where the ambient temperature exceeds a range of -10°C~50°C. (2) Where the ambient humidity exceeds 85%RH or when dew condensation will result from a sudden change in temperature.

(3) Where dust, iron powder, or corrosive gas is present (4) In direct sunlight.

(5) Where it will be subject to excessive vibration or shock

- Observe the following conditions for wiring:
- (1) The signal wiring should be separated from the power line.
- (2) Try to separate the unit and wiring as far as possible from the noise (3) The terminal not in use should not be used for other purposes

 Be sure to separate the product from the control circuit for dielectric strength or insulation resistance tests

Terminal connection

