SETTING OF TIMER FUNCTIONS :

Time range — *Default : 999.9 sec*

Time ranges :
99.99sec, 999.9sec, 9999sec,

99:59min:sec , 999.9min, 9999min,

99:59hr:min, 999.9hr, 9999hr.

Relay1 operating mode :
ON Delay / Interval / Cyclic ON first / Cyclic OFF first.

NOTE :
Refer waveforms for details.

Relay2 operating mode:
ON Delay / Interval / Cyclic ON first / Cyclic OFF first / Batch.

NOTE :
Refer waveforms for details.

To select lower display options :
Press / key to select particular option and then press key to quit programming.

To select reset option :
Press / key to select particular option and then press key for 1.5 sec to quit programming.

1. Programming for Set point1 :

for 1.5 sec to Enter Set1 programming. (Auto program out after 2min)

Default : 10sec.

Applicable when Relay1 in On delay / Interval mode.

Set point 1

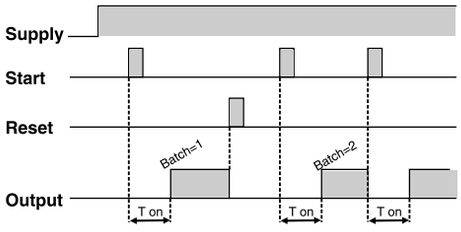
*

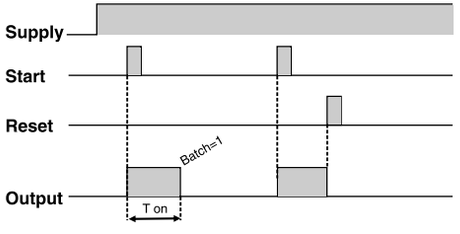
Applicable when Relay1 in Cyclic mode.

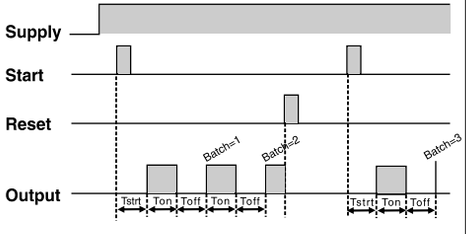
Start Time → ON Time → OFF Time

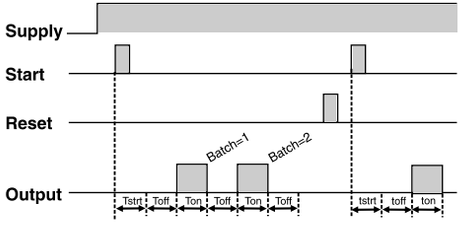
* * *

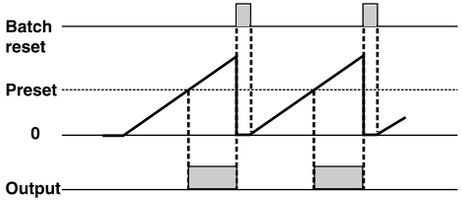
Exit Set point 1 programming



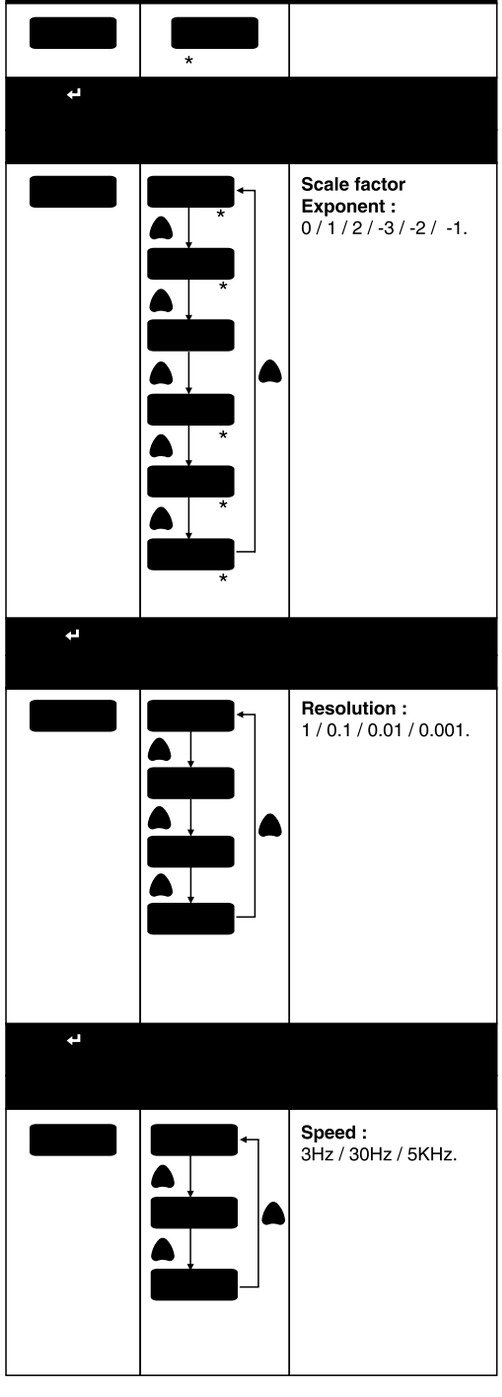








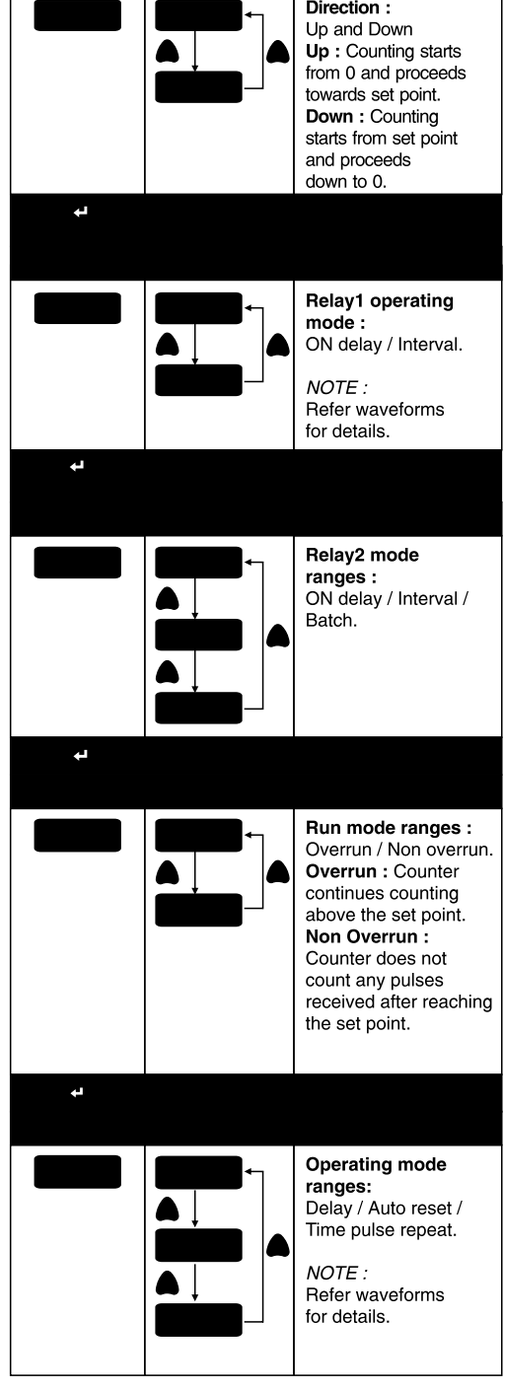
SETTING OF COUNTER FUNCTIONS :



Scale factor Exponent :
0 / 1 / 2 / -3 / -2 / -1.

Resolution :
1 / 0.1 / 0.01 / 0.001.

Speed :
3Hz / 30Hz / 5KHz.



Direction :
Up and Down
Up : Counting starts from 0 and proceeds towards set point.
Down : Counting starts from set point and proceeds down to 0.

Relay1 operating mode :
ON delay / Interval.

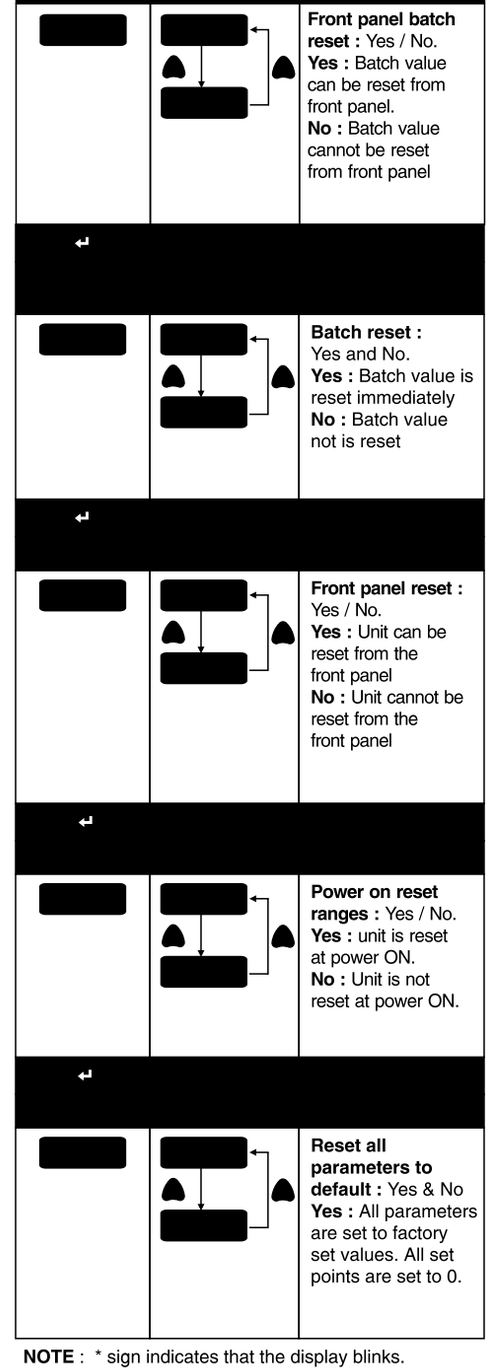
NOTE :
Refer waveforms for details.

Relay2 mode ranges :
ON delay / Interval / Batch.

Run mode ranges :
Overrun / Non overrun.
Overrun : Counter continues counting above the set point.
Non Overrun : Counter does not count any pulses received after reaching the set point.

Operating mode ranges:
Delay / Auto reset / Time pulse repeat.

NOTE :
Refer waveforms for details.



Front panel batch reset : Yes / No.
Yes : Batch value can be reset from front panel.
No : Batch value cannot be reset from front panel

Batch reset :
Yes and No.
Yes : Batch value is reset immediately
No : Batch value not is reset

Front panel reset :
Yes / No.
Yes : Unit can be reset from the front panel
No : Unit cannot be reset from the front panel

Power on reset ranges : Yes / No.
Yes : unit is reset at power ON.
No : Unit is not reset at power ON.

Reset all parameters to default : Yes & No
Yes : All parameters are set to factory set values. All set points are set to 0.

NOTE : * sign indicates that the display blinks.

PROGRAMMING - COUNTER

[redacted] → **Temporary display :**
Lower display shows parameter name for 1sec. and then its value.

Enter programming as per the given procedure.

To program set points :
Press ▶ to select the digit. The selected digit blinks. Press ▼ / ▲ key to change its value. Press ↵ key to go to the next parameter (if applicable). If the edited parameter is the last parameter, the unit will quit programming.

To select lower display options :
Press ▼ / ▲ key to select particular option and then press ↵ key to quit programming.

To select reset option :
Press ▼ / ▲ key to select particular option and then press ↵ key for 1.5 sec to quit programming.

1. Programming for Set point 1 :

[redacted]

▶ for 1.5 sec to Enter / Exit online programming for Set1. (Auto program out after 2min)	Applicable when Set1 in On delay / Interval mode.
	Set point 1 [redacted] *
	Applicable when Set1 in On delay / Interval mode + Auto reset mode.
	Set point 1 [redacted] ↵ → Auto reset time [redacted] * * Autoreset time range : 0 to 999.9 sec. → Exit Set point1 programming
Default : 100 AR / TPR time = 10sec	Applicable when Set1 in On delay / Interval mode + Time Pulse Repeat.
	Set point 1 [redacted] ↵ → Time pulse repeat [redacted] * * TPR time range : 0 to 999.9 sec. → Exit Set point1 programming

2. Programming for Set point 2 :

Note : Set2 should always be less than Set1, except when Set 2 is in Batch mode.

[redacted]

▼ for 1.5 sec to Enter / Exit online programming for Set2. (Auto program out after 2min)	Applicable when Set2 in On delay / Interval mode.
	Set point 2 [redacted] *
	Applicable when Set2 in Batch mode.
Default : 90.	Set point 2 [redacted] *

NOTE : * sign indicates that the display blinks.

3. Programming for Lower display options.

[redacted]

▲ for 1.5sec to Enter programming for lower display. (Auto program out after 2min)	Batch [redacted] * ↵ → Exit programming ▲ Set point 1 [redacted] * ↵ → Exit programming

4. Programming for Reset.

[redacted]

↵ for 1.5sec to Enter / Exit online programming for reset	Reset [redacted] ▲ Batch Reset [redacted] ▲

Read Function

[redacted] → **Temporary display :**
Lower display shows parameter name for 1sec and then its value

1. Reading of set1 parameters

[redacted]

▶ momentarily each time to read Set1 value. Auto exit from Read function if key is not pressed within 3 sec.	Applicable when Set1 in On delay / Interval mode.
	Set point 1 [redacted]
	Applicable when Set1 in On delay / Interval mode + Autoreset mode.
	Set point 1 [redacted] ▶ → Autoreset time [redacted] ▶
	Applicable when Set1 in On delay / Interval mode + Time Pulse Repeat.
	Set point 1 [redacted] ▶ → Time pulse repeat [redacted] ▶

2. Reading of set2 parameters

[redacted]

▼ momentarily each time to read Set 2 value. Auto exit from Read function if key is not pressed within 3 sec.	Applicable when Set2 in On delay / Interval mode.
	Set point 2 [redacted]

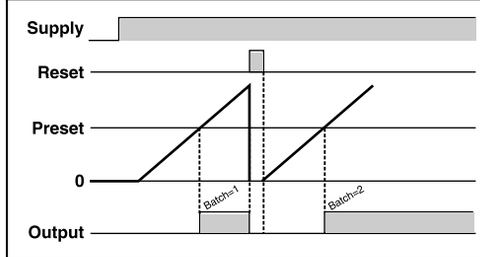
3. Reading Batch

[redacted]

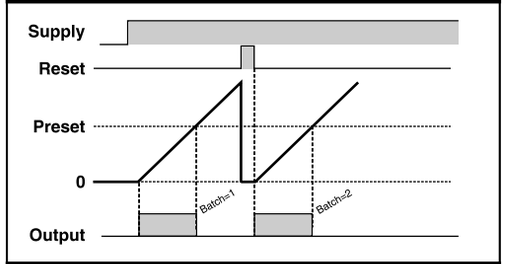
▲ momentarily each time read Set 2 value. Auto exit from Read function if key is not pressed within 3 sec.	4 digit Batch [redacted] [redacted] 6 digit Batch [redacted] Upper Display [redacted] Lower Display 6 digit batch can be read with 2MSDs on the upper display.

NOTE : When viewing 6 digit batch value, lower display LSD dp blinks and batch value is displayed for 3 sec. If lower display is selected as batch, and batch value exceeds 4 digits, the lower display LSD dp is on continuously indicating that the batch value has exceeded 4 digits.

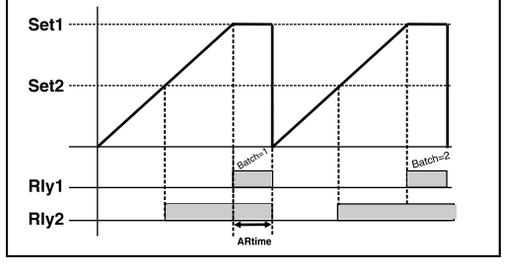
[redacted]



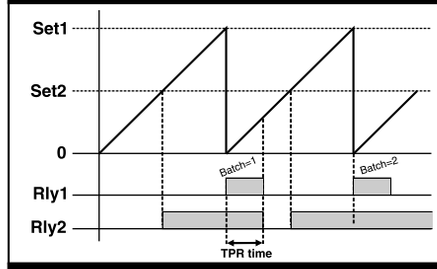
[redacted]



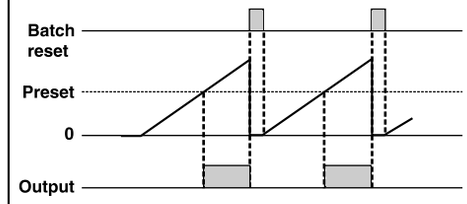
[redacted]



[redacted]



[redacted]



(Specifications subject to change as development is a continuous process.)

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