

## Multi-Function Digital Counter/Timer

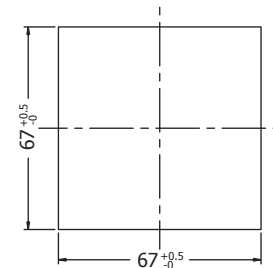
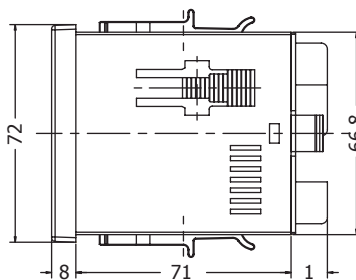
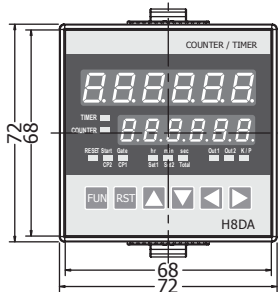
### Product Features

- Counter or timer function
- Scroll-through menu for all parameters
- Proximity and photoelectric switches compatible
- High-speed response allows 10,000 counts per second
- Online change of set value possible
- 4 levels of key protection provided
- 3 user selectable modes: Count Up, Count Down, and Count Up/Down
- Memory function available
- UL and C-UL recognized, and CE certified



### Dimensions

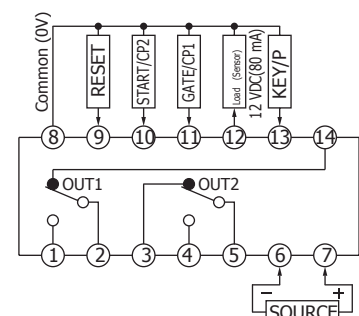
Flush mount using clamp



### Timing Ranges

1	0.001s ~ 999.999s	6	0.1s ~ 999m59.9s
2	0.01s ~ 9999.99s	7	0.1m ~ 99999.9m
3	0.1s ~ 99999.9s	8	1m ~ 999999m
4	1s ~ 999999s	9	1s ~ 99h59m59s
5	0.01s ~ 99m59.99s	10	1m ~ 9999h59m

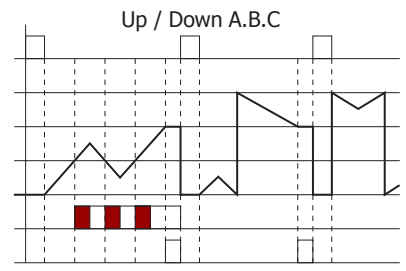
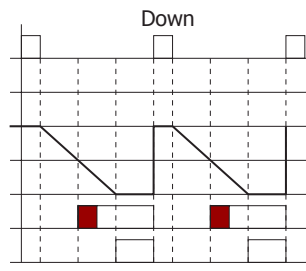
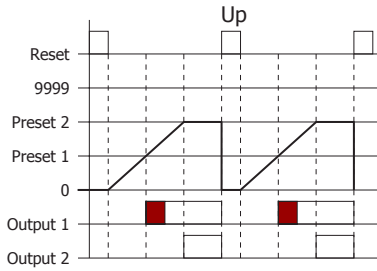
### Connection



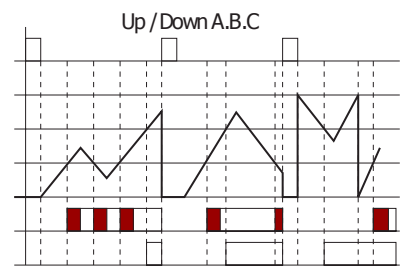
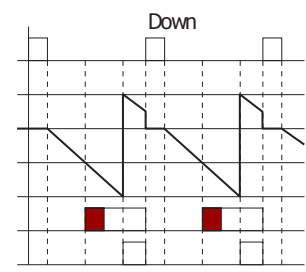
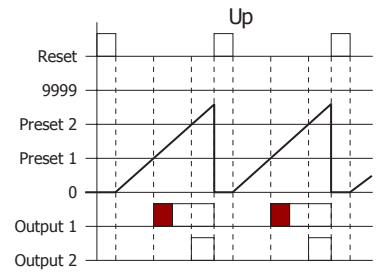


# Timing Charts: Counter

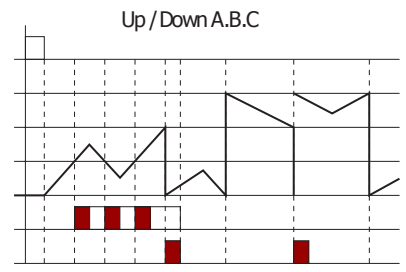
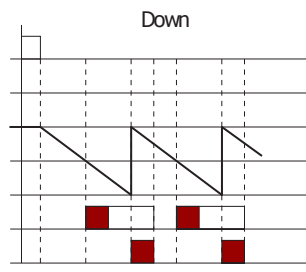
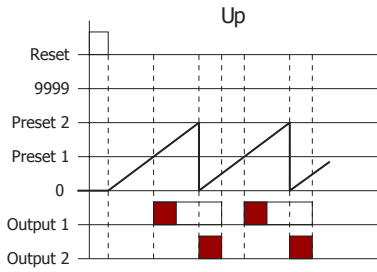
Output Mode N



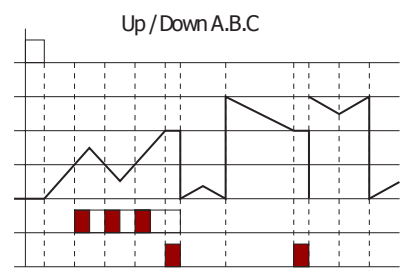
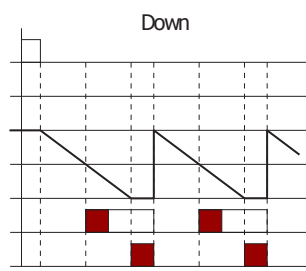
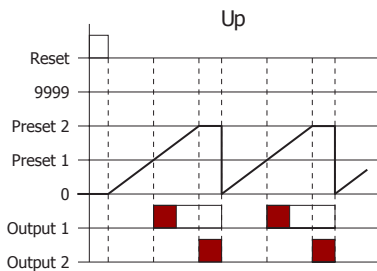
Output Mode F



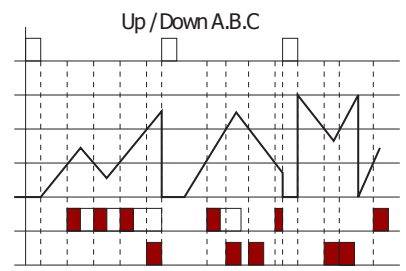
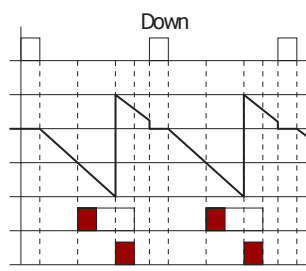
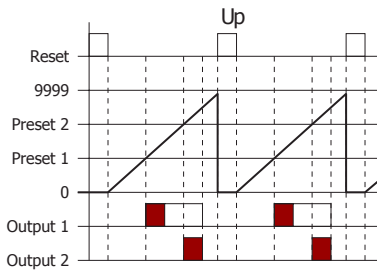
Output Mode C



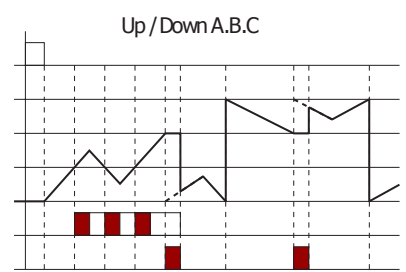
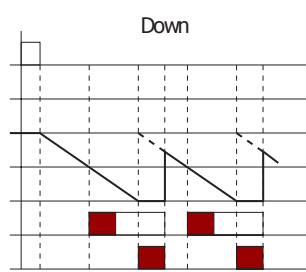
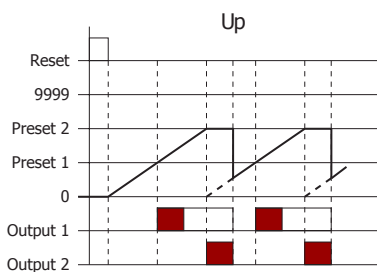
Output Mode R



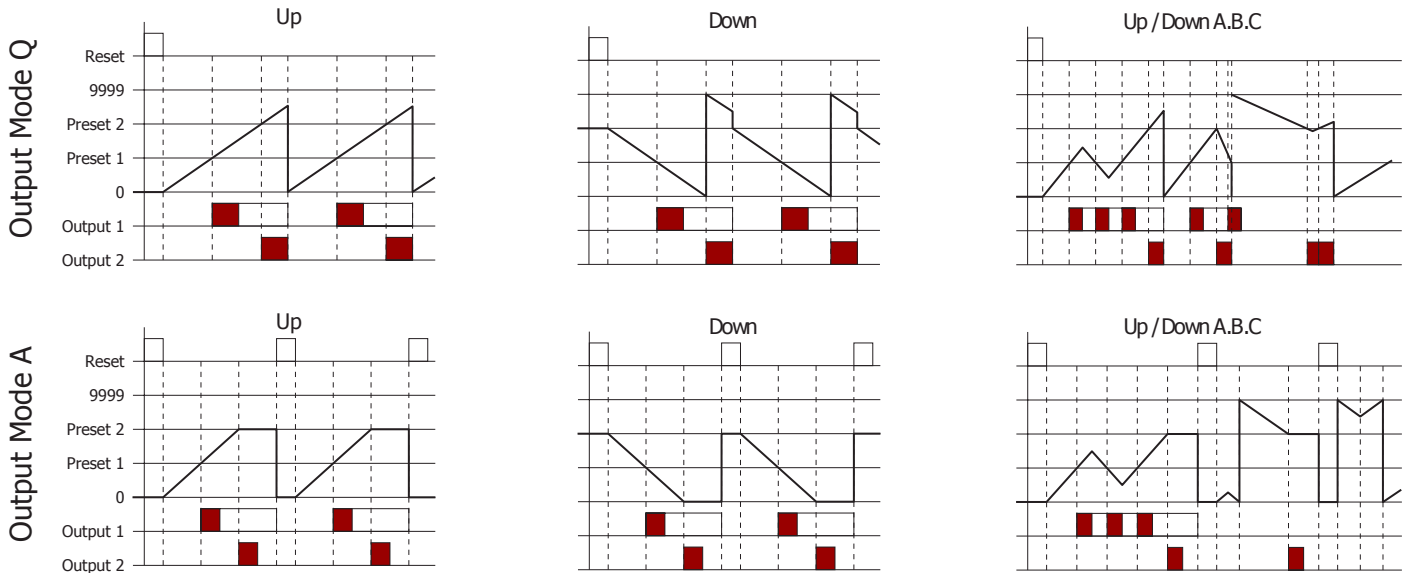
Output Mode K



Output Mode P



## Timing Charts: Counter



### Output modes:

N: Output and present value display are maintained until reset.

F: Present value display runs continuously. Outputs are maintained until reset.

C: Present value is placed in reset start status as soon as count up is reached. The count up is not displayed. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.

R: Present value is placed in reset start status as soon as count up is reached. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.

K: Present value runs continuously. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.

P: Present value display does not change during 1-shot time period, but reset start status is returned to as soon as count is reached. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.

Q: Present value runs continuously through 1-shot time period and returns to reset start status immediately afterward. Outputs are 1-shot and operate repeatedly. Output 1 is self-holding, and goes off after expiration of the 1-shot period for Output 2. One-shot time periods for Output 1 and 2 are independent.

A: Present value and output 1 maintain status until reset. Output 1 and 2 operate independently.

## Specifications

Operating Voltage (VAC/VDC): 12~48 or 100~240

Allowable Range: 85~110% of rated operating voltage

Contact Rating: 250VAC 5A (resistive load)

Life:

5,000,000 operations mechanical

100,000 operations electrical

Count Speed: 30, 1,000, 5,000, or 10,000 cps Max

Ambient Temperature: -10~50°C

Ambient Humidity: 85% RH Max

Rated Frequency: 50/60Hz

Reset Time: 0.1s Max

Weight: 260g

Power Consumption: ~3.5VA

## Ordering Information

**STMF1-R-240**

Voltage Range: 48 or 240  
(see specifications above)

**SKY**  **TIMERS**

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