## SCD2

## SKY Otimers

## Multi-Function Digital Counter

## Product Features

- Proximity and photoelectric swtich compatible
- Protection against power surge and high frequency interference
- High-speed response allows 1,000 counts per second
- Online change of set value position
- Four levels of key protection provided
- User can select Count Up, Count Down, or Count Up/Down mode
- Memory function available
- UL and C-UL recognized, and CE certified



## Dimensions

Surface mount using NDS-8, NDS-8F, NDS-11, or NDS-11F


Flush mount using NDS-8, NDS-8F, NDS-11, or NDS-11F socket and PM-48 mounting bracket


## Timing Charts

Count at rising edge


Count at falling edge


Up/Down A Command input mode
Up/Down B Individual input mode


## 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.





Up/Down A.B.C


## Timing Charts



## Connections

## SCD2-8



## 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
Ambient Temperature: $-10 \sim 50^{\circ} \mathrm{C}$

Ambient Humidity: 85\% RH Max
Rated Frequency: 50/60Hz
Weight: 130g

Count Speed: 30 cps or $1,000 \mathrm{cps}$ Max
Reset Time: 0.1s Max
Power Consumption: $\sim 2.5 \mathrm{VA}$

## Ordering Information

## SCD2-8B-240

Voltage Range: 48 or 240
(see specifications above)
B, $M$, or Nil - see specifications above
8-8-pin connector
11 - 11-pin connector

