

## Digital Counter

**DN-UC-2DMA**

### DIN 72X72mm 1 Level Preset Digital Counter

- The counter comes with socket Draw-out construction allows Servicing without disconnecting Wires ◦
- Large , easy-to-read 9mm (0.36 in)LED displays-choose 2,3,4,5 or 6 digits
- Contact and solid-state outputs Available ◦
- Counting speed: contact signal-30 cps  
Contactless signal-1000 cps
- 12 VDC built-in DC power supply for input sensors
- 10-year lithium battery memory backup available
- Panel mounting hardware included
- AC Power supply:AC110/220V,50/60HZ
- Power consumption:3.5VA
- Operate environment:-10~+60 degree C,45%~85% RH



## Digital Counter

**DN-UC-3DMA**

### DIN 72X72mm 1 Level Preset Digital Counter

- The counter comes with socket Draw-out construction allows Servicing without disconnecting Wires ◦
- Large , easy-to-read 9mm (0.36 in)LED displays-choose 2,3,4,5 or 6 digits
- Contact and solid-state outputs Available ◦
- Counting speed: contact signal-30 cps  
Contactless signal-1000 cps
- 12 VDC built-in DC power supply for input sensors
- 10-year lithium battery memory backup available
- Panel mounting hardware included
- AC Power supply:AC110/220V,50/60HZ
- Power consumption:3.5VA
- Operate environment:-10~+60 degree C,45%~85% RH



## Digital Counter

**DN-UC-4DMA**

### DIN 72X72mm 1 Level Preset Digital Counter

- The counter comes with socket Draw-out construction allows Servicing without disconnecting Wires ◦
- Large , easy-to-read 9mm (0.36 in)LED displays-choose 2,3,4,5 or 6 digits
- Contact and solid-state outputs Available ◦
- Counting speed: contact signal-30 cps  
Contactless signal-1000 cps
- 12 VDC built-in DC power supply for input sensors
- 10-year lithium battery memory backup available
- Panel mounting hardware included
- AC Power supply:AC110/220V,50/60HZ
- Power consumption:3.5VA
- Operate environment:-10~+60 degree C,45%~85% RH



## Digital Counter

**DN-UC-5DMA**

### DIN 72X72mm 1 Level Preset Digital Counter

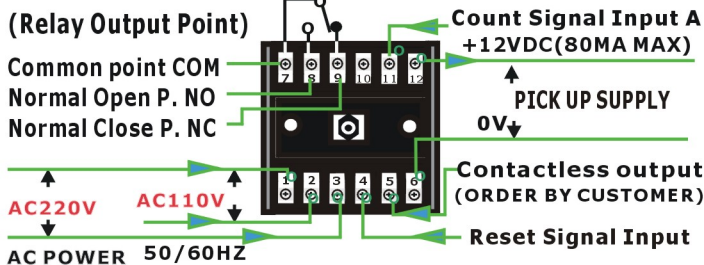
- The counter comes with socket Draw-out construction allows Servicing without disconnecting Wires ◦
- Large , easy-to-read 9mm (0.36 in)LED displays-choose 2,3,4,5 or 6 digits
- Contact and solid-state outputs Available ◦
- Counting speed: contact signal-30 cps  
Contactless signal-1000 cps
- 12 VDC built-in DC power supply for input sensors
- 10-year lithium battery memory backup available
- Panel mounting hardware included
- AC Power supply:AC110/220V,50/60HZ
- Power consumption:3.5VA
- Operate environment:-10~+60 degree C,45%~85% RH



# Terminal Instructions

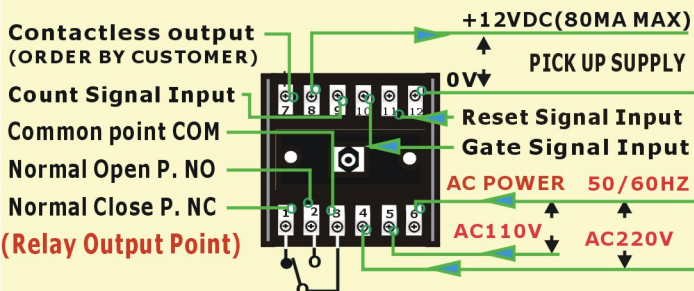
## DN-UC-6DMA Series

## DN-UC-6DMB Series



| Terminal Purpose             | Target Object                | Terminal/s to Use |
|------------------------------|------------------------------|-------------------|
| Power source                 | AC 110V                      | 1、2               |
|                              | AC 220V                      | 1、3               |
| Count signal Input           | Contact Point Signal         | 11、12             |
|                              | Proximity Switch             | 12、11、6           |
|                              | Photoelectric Switch         | 12、11、6           |
|                              | Encoder                      | 12、11、6           |
| Manual External Reset        | Present Value and Output Run | 4、12              |
| Relay Output Point [10A Max] | Common point COM             | 7                 |
|                              | Normal Open P. NO            | 8                 |
|                              | Normal Close P. NC           | 9                 |
| Pick up supply               | DC +12V(80ma MAX)            | 12(+12v)、6(0v)    |

## DN-UC-6DML Series



| Terminal Purpose             | Target Object                | Terminal/s to Use |
|------------------------------|------------------------------|-------------------|
| Power                        | AC 110V                      | 5、6               |
|                              | AC 220V                      | 4、6               |
| Count Signal Input           | Contact Point Signal         | 8、9               |
|                              | Proximity Switch             | 8、9、12            |
|                              | Photoelectric Switch         | 8、9、12            |
|                              | Encoder                      | 8、9、12            |
| Gate Signal Input            | Counting control             | 8、10              |
| Manual External Reset        | Present Value and Output Run | 8、11              |
| Relay Output Point [10A Max] | Common point COM             | 3                 |
|                              | Normal Open P. NO            | 2                 |
|                              | Normal Close P. NC           | 1                 |
| Pick up supply               | DC +12V(80ma MAX)            | 8(+12v)、12(0v)    |

## Digital Counter

**DN-UC-6DMA**

### DIN 72X72mm 1 Level Preset Digital Counter

- The counter comes with socket Draw-out construction allows Servicing without disconnecting Wires ◦
- Large , easy-to-read 9mm (0.36 in)LED displays-choose 2,3,4,5 or 6 digits
- Contact and solid-state outputs Available ◦
- Counting speed: contact signal-30 cps  
Contactless signal-1000 cps
- 12 VDC built-in DC power supply for input sensors
- 10-year lithium battery memory backup available
- Panel mounting hardware included
- AC Power supply:AC110/220V,50/60HZ
- Power consumption:3.5VA
- Operate environment:-10~+60 degree C,45%~85% RH





# AUTOKON Digital Counter

DN-UC-6DMA  
DN-UC-5DMA  
DN-UC-4DMA  
DN-UC-3DMA  
DN-UC-2DMA

DN-UC-6DMB  
DN-UC-5DMB  
DN-UC-4DMB  
DN-UC-3DMB  
DN-UC-2DMB

## FRONT PART Definition

1. Output Operation Indicator
2. Output Time Adjuster
3. Present Value Display
4. R.N.C Reset function select switch
5. Reset button
6. Preset Value Setting THUMBWHEEL SWITCHS



### 1. Output Operation Indicator

When Present Value meets Preset Value, the Output Relay will be triggered and Output Indicator will be lit.

### 2. Output Time Adjuster

When the output relay of the counter starts, the Operation durations can be adjusted through The Adjuster, the range of adjustment is 0.1 Through 3.5 sec.

### 3. Present Value Display

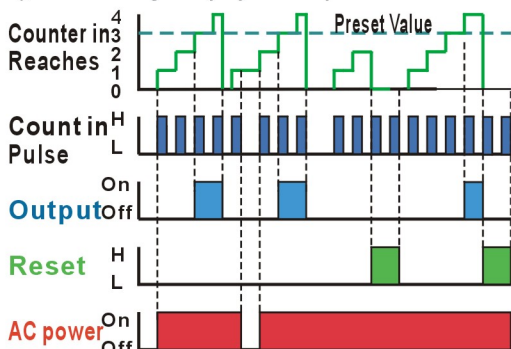
Red LED 7 segments digital display

### 4. R.N.C Reset function select switch

Relay Output will work upon Present Value meets Preset Value in Counter.

R: AUTO RESET

Following an OUTPUT Relay stays 0.1-3.5SEC (As mentioned above: Output Time Adjuster), then both Digit Display and Output will be zero reset at the same time



### N: MANUAL RESET:

Following an OUTPUT, Relay stays ON, and both Digital Display and Output will be reset only upon pushing **RESET BUTTON** on the front Panel or making Terminals #12 and #4 short contact.

### C: AUTO RESET

Upon Present Value meets the Preset Value in Counter, the Present Value will be reset right instantaneously and OUTPUT RELAY stays 0.1-3.5SEC then Output will be reset. The consecutive count value will Not be reset.

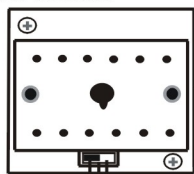
### 5. Reset button

Press this Button to zero reset Present Value, Output Indicator will be out, and Relay Output will be stopped.

### 6. Preset Value Setting THUMBWHEEL SWITCHS

During normal operation, the preset value is changed by lightly touching a thumbwheel

## Mode Switches



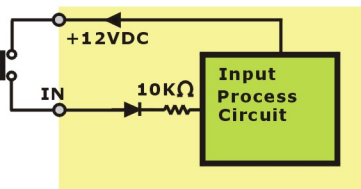
30cps Sw1 1000cps

Unplug Counter Unit from the Socket, then you will see one switches: Sw1

- ☒ : 30CPS: to count maximum 30 times per second, when using MicroSwitch and Relay Contact Point; it is a must limit the counting speed so as to prevent any contact point bouncing error.
- ☐ : 1000CPS: to count maximum 1000 times per second.

## Input Signal(Count/Count Control/Reset) Section

### Contact Input



### Contactless Input

