

## Digital Counter

## DNK-UC-4AM

### DIN 72X144mm double Preset Digital Counter

- The counter comes with socket Draw-out construction allows Servicing without disconnecting Wires ◦
- Large , easy-to-read 10mm (0.39 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:5VA
- Operate environment:-10~+60 degree C,45%~85% RH



## Digital Counter

**DNK-UC-5AM**

### DIN 72X144mm double Preset Digital Counter

- The counter comes with socket Draw-out construction allows Servicing without disconnecting Wires ◦
- Large , easy-to-read 10mm (0.39 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:5VA
- Operate environment:-10~+60 degree C,45%~85% RH



## Digital Counter

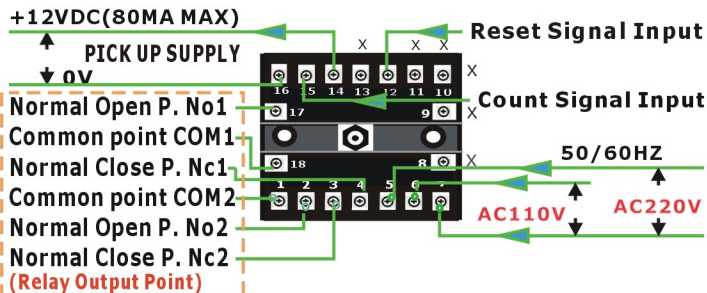
**DNK-UC-6AM**

### DIN 72X144mm double Preset Digital Counter

- The counter comes with socket Draw-out construction allows Servicing without disconnecting Wires ◦
- Large , easy-to-read 10mm (0.39 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:5VA
- Operate environment:-10~+60 degree C,45%~85% RH



# Terminal Instructions



Terminal Purpose	Target Object	Terminal/s to Use
Power source	AC 110V	6 、 7
	AC 220V	5 、 7
Count signal Input	Contact Point Signal	14 、 15
	Proximity Switch	14 、 15 、 16
	Photoelectric Switch	14 、 15 、 16
	Encoder	14 、 15 、 16
Manual External Reset	Present Value and Output Run	14 、 12
Level 1 preset	Common point COM1	18
Relay Output Point [10A Max]	Normal Open P. No1	17
	Normal Close P. Nc1	4
Level 2 preset	Common point COM2	1
Relay Output Point [10A Max]	Normal Open P. No2	2
	Normal Close P. Nc2	3
Pick up supply	DC +12V(80ma MAX)	14(+12v) 、 16(0V)



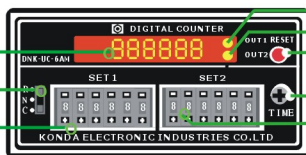
**AUTOKON**

# Digital Counter

DNK-UC-6AM  
DNK-UC-5AM  
DNK-UC-4AM  
DNK-UC-3AM  
DNK-UC-2AM

## FRONT PART Definition

1. Present Value Display
2. R.N.C Reset function select switch
3. Output 1 Operation Indicator
4. Output 2 Operation Indicator
5. Reset button
6. Output Time Adjuster
7. Level 1 Preset Value Setting Thumbwheel switches
8. Level 2 Preset Value Setting Thumbwheel switches

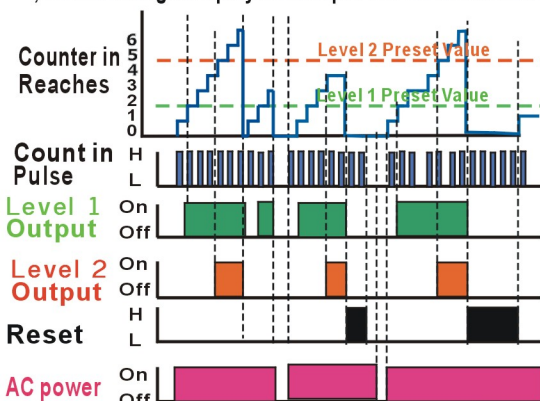


1. Present Value Display  
Red LED 7 segments digital display

2. 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.

3. Output 1 Operation Indicator
4. Output 2 Operation Indicator  
When Present Value meets Preset Value, the Output Relay will be triggered and Output Indicator will be triggered and output indicator will be lit.

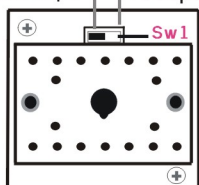
5. Reset button  
Press this Button to zero reset Present Value, Output Indicator will be out, and Relay Output will be stopped.

6. 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.

7. Level 1 Preset Value Setting THUMBWHEEL SWITCHES
8. Level 2 Preset Value Setting THUMBWHEEL SWITCHES  
During normal operation, the preset value can be changed by lightly touching a thumbwheel Or

- Mode Switches **Sw1** Unplug Counter Unit from the Socket, then you will see one switches: **Sw1**

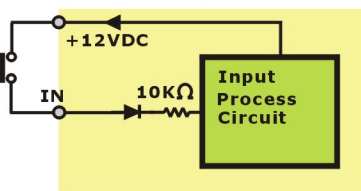
1000cps 30cps



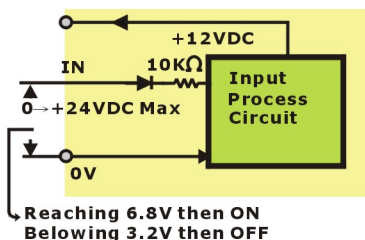
- : 30CPS: to count maximum 30 counts per second, when using MicroSwitch and Relay Contact Point; it is a must limit the counting speed so as to prevent any contact point bouncing error.
- : 1000CPS: to count maximum 1000 counts per second.

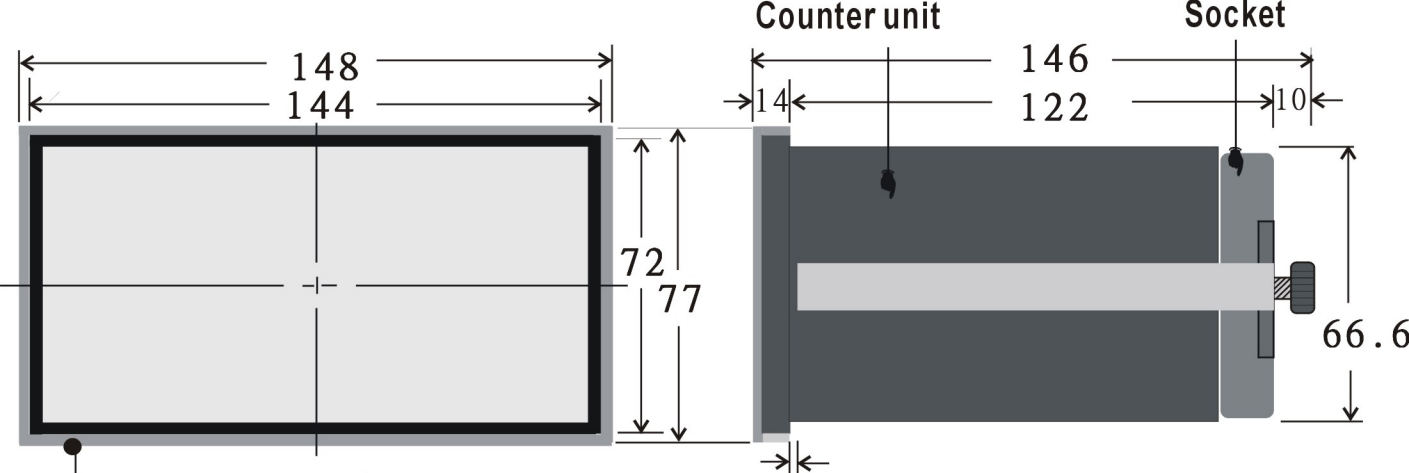
## Input Signal(Count/Count Control/Reset) Section

### Contact Input



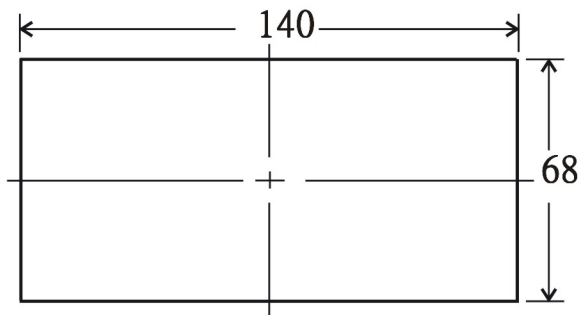
### Contactless Input





Acrylic Panel Cover

Control panel thickness (unit: mm)  
ranging between 1-4.5 mm



Panel Cut -out (unit: mm)

