DIN48   Electronic Counter

DC-J   SERIES   CE

Various functions in din size 48

Excellent Visibility(white & yellow LCD)

It can be changed to easy mode or multi mode. It can show the setting condition.

12 digits total counter is built-in. (It can show producing numbers per day, month or year)

Corresponding to each output function(Standard, Batch, Prediction, Digit-up.

Corresponding to each input mode(Increment/decrement independence, Phase-difference, Increment, Decrement, Increment/ decrement command.

Pre-scale function provides. Read out the unit such as length/ flowing directly. Pre-scale function provides.

Corresponding to each input mode.(Increment/decrement independence, Phase-difference, Increment, Decrement, Increment/ decrement command)

CE marking

Protective structure IP66.(Only front panel when using rubber bushing)

Protective structure with terminal cover.

Key protecting function provides for preventing mishandling by careless touch.

Specifications

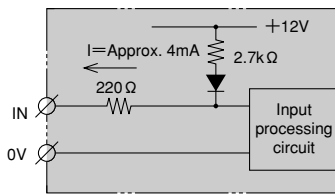| Type	1 preset counter				2 preset counter			
Model No.	DC-JB6-AW	DC-JB6-AY	DC-JB6-DW	DC-JB6-DY	DC-JC6-AW	DC-JC6-AY	DC-JC6-DW	DC-JC6-DY
Power source	100 to 240VAC(50/60Hz)		24VDC (ripple 20 % or less)		100 to 240VAC(50/60Hz)		24VDC (ripple 20 % or less)	
Allowable voltage fluctuation range	± 10％ at 24VDC, 85 to 250VAC							
Power consumption	4VA *1 (at 240VAC)		1W(at 24VDC)		5VA *1 (at 240VAC)		1W(at 24VDC)	
Numbers of digits	6 digit, range: -99999 to 999999(12 digits for total counter)							
Memory function against power failure	EEP-ROM(rewriting numbers: 0.1 million times or more)							
Counting speed	30Hz/5kHz changeover							
Reset	External reset(Min.reset time: 50msec, manual reset, automatic reset)							
re-scale	0.001 to 9.999							
Decimal point	Lower 4 digits							
One-shot time	0.005 to 9.999sec							
Display color(Counting part)	White	Yellow	White	Yellow	White	Yellow	White	Yellow
Input mode	Increment/decrement independence, Phase-difference, Increment, Decrement, Increment/decrement command							
Output operation	One-shot return, Self-holding free, One-shot free, Agree free, Comparing free							
Counter mode	Standard/digit-up		Standard/Batch/Prediction					
Input signal	Contact or open-collector Impedance when ON(short-circuit) : 1k ohm or more Impedance when OFF(short-circuit) : 100k ohm or more Flowing current when short-circuit : approx. 4mA							
Control output	Transistor output(NPN open-collector): 100mA or less, 40V or less Contact output［1c・1a(only 2 preset type with AC power) ］: 250VAC/30VDC 3A resistance load(cos φ＝ 1)							
Power source for sensor	12VDC, 50mA *2		───────		12VDC, 50mA *2		───────	
Ambient temperature, humidity	-10 to +50 (-25 to +55 when stored), 35 to 85 ％RH							
Protective structure	IP66 (IEC Standard, only front panel when using rubber packings)							
Case	Polycarbonate							
Weight	Approx. 120g							
Accessory	Mounting hook, rubber packings, tightening screw for terminal cover(M3 × 8 P tight）							

*1. Including external power source
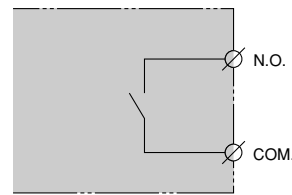*2. If power source is 120VAC or less, it is possible to supply   100mA outside.

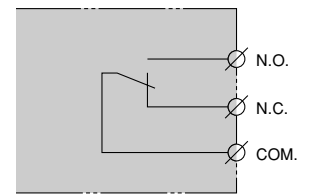## ■ Input/output circuit

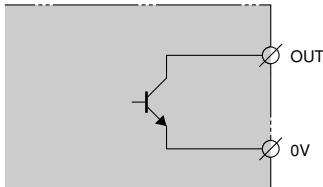### Input(Count1/count2/reset)

Contact output

● **1a relay**

N.O.

COM.

● **1c relay**
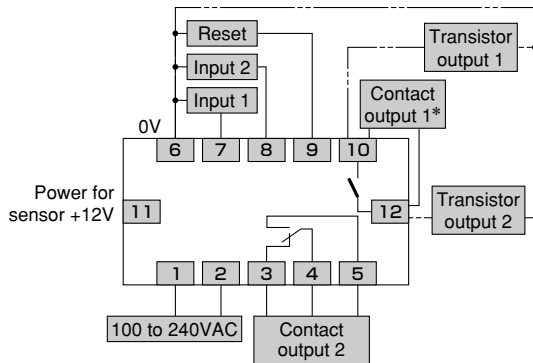

N.O.

N.C.

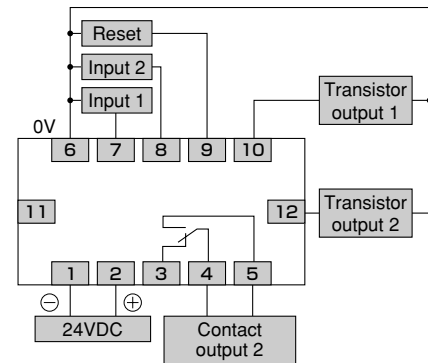COM.

Transistor output

OUT

0V

■ Connection

AC power

*In case of DC-JC
DC-JB is 10: transistor output 1 and 12: transistor output 2(————).
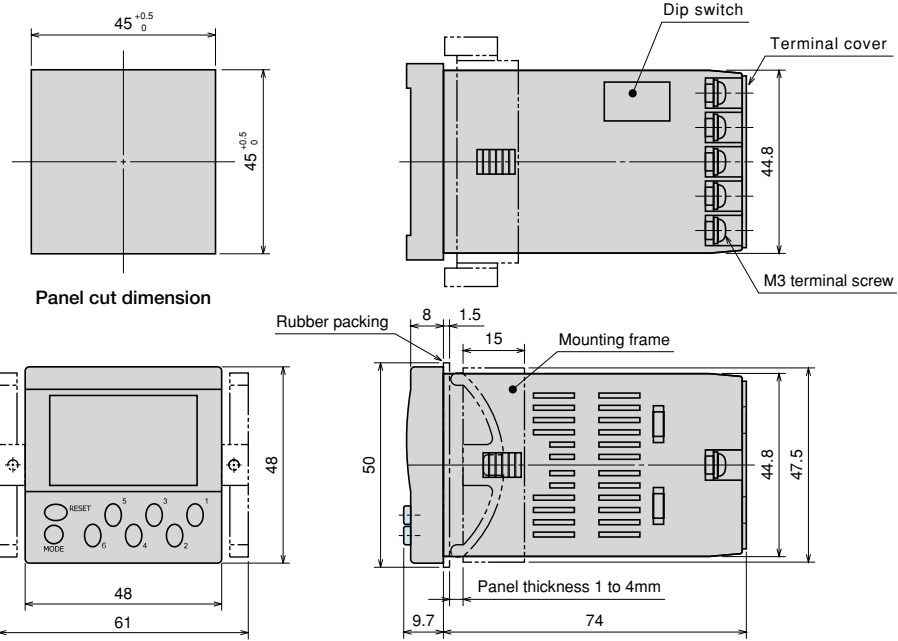
DC power

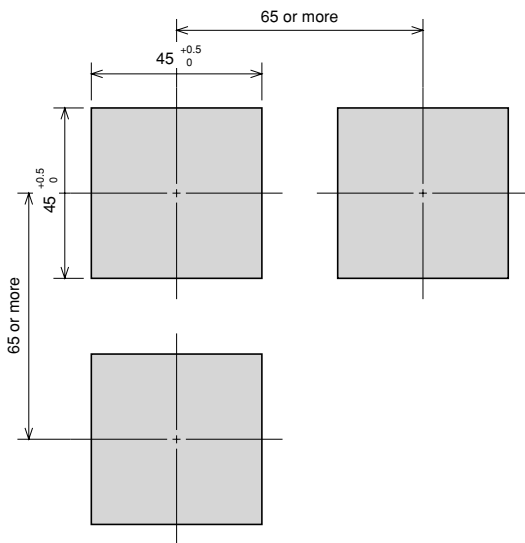Note) Power source for sensor isn't provided.

(Caution)

● Don't use empty terminal as relay terminal.
● Each input for counting and reset is common use for contact and trnasistor. Make a wiring with 2-core shield wire and metal as possible. Also, don't make a wiring with power and high volt   age line etc.
● Use solderness terminal for M3.
● Function of output 1 is different bewteen DC-JB and DC-JC. DC-JB: digit-up output, DC-JC:standard, batch and prediction out on counter mode). Output 2 is standard output for both DC-JB an   d DC-JC.

■ External dimensions

45 $^{+0.5}_{0}$

45 $^{+0.5}_{0}$

Panel cut dimension

Dip switch

Terminal cover

44.8

M3 terminal screw

Rubber packing

8   1.5

15   Mounting frame

48

50

44.8

47.5

RESET

MODE

5 3 1

6 4 2

48

61

Panel thickness 1 to 4mm

9.7   74

■ Mounting

Panel cut dimension is as follows:

65 or more

45 $^{+0.5}_{0}$

45 $^{+0.5}_{0}$

65 or more

Mounting frame 60 to 48(GZ00003)

Use mounting frame(60 to 48) if using as substitutes counter with 60□ such as DC-NXB series etc.

45.2

49

58

45.2

49

58

R3

4.7   1