DIN48 Electronic Counter

DC-J SERIES CE

Various functions in din size 48^{\Box}

- 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

1 preset counter			2 preset counter				
DC-JB6-AW	DC-JB6-AY	DC-JB6-DW	DC-JB6-DY	DC-JC6-AW	DC-JC6-AY	DC-JC6-DW	DC-JC6-DY
100 to 240V	AC(50/60Hz)	50/60Hz) 24VDC (ripple 20% or I		100 to 240VAC(50/60Hz)		24VDC (ripple 20% or less)	
±10% at 24VDC, 85 to 250VAC							
4VA*1 (at 24	0VAC)	/AC) 1W(at 24VDC)		5VA*1 (at 240VAC)		1W(at 24VDC)	
6 digit, range: -99999 to 999999(12 digits for total counter)							
EEP-ROM(rewriting numbers: 0.1 million times or more)							
30Hz/5kHz changeover							
External reset(Min.reset time: 50msec, manual reset, automatic reset)							
0.001 to 9.999							
Lower 4 digits							
0.005 to 9.999sec							
White	Yellow	White	Yellow	White	Yellow	White	Yellow
Increment/decrement independence, Phase-difference, Increment, Decrement, Increment/decrement command							
One-shot return, Self-holding free, One-shot free, Agree free, Comparing free							
Standard/digit-up Standard/Batch/Prediction							
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							
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($\cos\phi=1$)							
12VDC, 50mA*2				12VDC, 50mA*2			
-10 to +50°C(-25 to +55°C when stored), 35 to 85%RH							
IP66 (IEC Standard, only front panel when using rubber packings)							
Polycarbonate							
Approx. 120g							
Mounting hook, rubber packings, tightening screw for terminal cover(M3×8 P tight)							
	DC-JB6-AW 100 to 240V ±10% at 24 4VA*1 (at 24 6 digit, range EEP-ROM(rd 30Hz/5kHz of External rese 0.001 to 9.99 Lower 4 digit 0.005 to 9.99 White Increment/dd command One-shot ref Standard/dig Contact or o Impedance v Flowing curr Transistor ou Contact outp 12VDC, 50m -10 to +50°C IP66 (IEC St Polycarbona Approx. 120 Mounting ho	1 presetDC-JB6-AWDC-JB6-AY100 to 240VAC(50/60Hz) $\pm 10\%$ at 24VDC, 85 to 2 $\pm 10\%$ at 24VDC, 85 to 24VA*1 (at 240VAC)6 digit, range: -99999 to 96 digit, range: -99999 to 9EEP-ROM(rewriting numb)30Hz/5kHz changeoverExternal reset(Min.reset ti0.001 to 9.999Lower 4 digits0.005 to 9.999secWhiteYellowIncrement/decrement indecommandOne-shot return, Self-holdStandard/digit-upContact or open-collectorImpedance when OFF(shotFlowing current when shotTransistor output(INPN open)Contact output[1c+1a(on)12VDC, 50mA*2-10 to +50°C(-25 to +55°C V)IP66 (IEC Standard, only tiPolycarbonateApprox. 120gMounting hook, rubber par	I preset counterDC-JB6-AWDC-JB6-AYDC-JB6-DW100 to 240VAC(50/60Hz) $24VDC$ (ripple 20%) $\pm 10\%$ at 24VDC, 85 to $\geq 50VAC$ $4VA^{*1}$ (at 240VAC) $1W(at 24VD$ 6 digit, range: -99999 to $999999(12$ dig6 digit, range: -99999 to $999999(12$ digEEP-ROM(rewriting numbers: 0.1 millic30Hz/5kHz changeoverExternal reset(Min.reset time: 50msec, 0.001 to 9.999 Lower 4 digits0.005 to 9.999999 Lower 4 digits0.005 to $9.99999999999999999999999999999999999$	I preset counterDC-JB6-AWDC-JB6-DWCO-JB6-DWCOVAC4VA*1 (at 24VDC, 85 to 250VAC4VA*1 (at 240VAC)1W(at 24VDC)6 digit, range: -99999 to 999999(12 digits for total colspan="2">Colspan="2">Cordal colspan="2">Commonion30Hz/5kHz changeoverExternal reset(Min.reset time: 50msec, manual reset, 0.001 to 9.999Lower 4 digits0.005 to 9.999secWhiteYellowWhiteYellowIncrement/decrement independence, Phase-difference commandOne-shot return, Self-holding free, One-shot free, AgeContact or open-collectorImpedance when OFF(short-circuit) : 1k ohm or more Impedance when OFF(short-circuit) : 100k ohm or more Impedance when OFF(short-circuit) : 100k ohm or more Impedance when OFF(short-circuit) : 100mA or less Contact output [1c-1a(only 2 preset type with AC pov 12VDC, 50mA*2	I preset counterDC-JB6-AWDC-JB6-AYDC-JB6-DWDC-JB6-DYDC-JC6-AW100 to 240VAC(50/60Hz)24VDC (ripple 20% or less)100 to 240V.±10% at 24VDC, 85 to 250VAC4VA*1 (at 240VAC)1W(at 24VDC)5VA*1 (at 246 digit, range: -99999 to 999999(12 digits for total counter)EEP-ROM(rewriting numbers: 0.1 million times or more)30Hz/5kHz changeoverExternal reset(Min.reset time: 50msec, manual reset, automatic rest0.001 to 9.999Lower 4 digits0.005 to 9.999secWhiteYellowWhiteYellowWhiteOne-shot return, Self-holding free, One-shot free, Agree free, ComStandard/digit-upContact or open-collectorImpedance when ON(short-circuit) : 1k ohm or moreImpedance when OFF(short-circuit) : 100k ohm or moreFlowing current when short-circuit) : 100mA or less, 40V or lessContact output[Ic+1a(only 2 preset type with AC power)] : 250VAC12VDC, 50mA*212VDC, 50mA*2 <t< th=""><th>I preset counter 2 preset DC-JB6-AW DC-JB6-AY DC-JB6-DW DC-JC6-AW DC-JC6-AY 100 to 240VAC(50/60Hz) 24VDC (ripple 20% or less) 100 to 240VAC(50/60Hz) 24VA************************************</th><th>1 preset counter 2 preset counter DC-JB6-AW DC-JB6-AY DC-JB6-DW DC-JB6-DY DC-JC6-AW DC-JC6-AW DC-JC6-DW 100 to 240VAC(50/60Hz) 24VDC (ripple 20% or less) 100 to 240VAC(50/60Hz) 24VDC (ripple 20% ±10% at 24VDC, 85 to 250VAC 100 to 240VAC(50/60Hz) 100 to 240VAC(50/60Hz) 24VDC (ripple 20% 4VA*1 (at 240VAC) 1W(at 24VDC) 5VA*1 (at 240VAC) 1W(at 24VE 6 digit, range: -99999 to 999999(12 digits for total counter) EEP-ROM(rewriting numbers: 0.1 million times or more) 30Hz/5kHz changeover External reset(Min.reset time: 50msec, manual reset, automatic reset) 0.001 to 9.999 Lower 4 digits 0.005 to 9.9999sc White Yellow White Yellow White One-shot return, Self-holding free, One-shot free, Agree free, Comparing free Standard/Batch/Prediction Contact or open-collector Impedance when ON(short-circuit) : 1k ohm or more Standard/Batch/Prediction Contact or open-collector Impedance when ON(short-circuit) : 100k ohm or more Increment/Boung current when short-circuit) : 100k ohm or more Increment/Boung current when short-circuit : approx. 4mA Transistor output(NPN open-collector): 100mA or less, 40V or less <t< th=""></t<></th></t<>	I preset counter 2 preset DC-JB6-AW DC-JB6-AY DC-JB6-DW DC-JC6-AW DC-JC6-AY 100 to 240VAC(50/60Hz) 24VDC (ripple 20% or less) 100 to 240VAC(50/60Hz) 24VA************************************	1 preset counter 2 preset counter DC-JB6-AW DC-JB6-AY DC-JB6-DW DC-JB6-DY DC-JC6-AW DC-JC6-AW DC-JC6-DW 100 to 240VAC(50/60Hz) 24VDC (ripple 20% or less) 100 to 240VAC(50/60Hz) 24VDC (ripple 20% ±10% at 24VDC, 85 to 250VAC 100 to 240VAC(50/60Hz) 100 to 240VAC(50/60Hz) 24VDC (ripple 20% 4VA*1 (at 240VAC) 1W(at 24VDC) 5VA*1 (at 240VAC) 1W(at 24VE 6 digit, range: -99999 to 999999(12 digits for total counter) EEP-ROM(rewriting numbers: 0.1 million times or 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*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)



Transistor output



Connection

AC power



DC-JB is 10: transistor output 1 and 12: transistor output 2(----

(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.

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- 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.

Contact output

DC power



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Ø n.c.

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Transistor

output 1

Transistor

output 2

Reset Input 2 Input 1 0V 6 7 8 9 10 11 12 Г

1 2 3

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4 5

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Note) Power source for sensor isn't provided.

External dimensions



Mounting

Panel cut dimension is as follows:



Mounting frame 60 to 48(GZ00003)

Use mounting frame(60 to 48) if using as substitutes counter with 60^{\Box} such as DC-NXB series etc.

