

Lorentzzi DH48J Preset Counter Relay User Manual

DH48J uses advanced LCD and digital tube, and can replace H7CN or similar products. It has the advantages of beautiful appearance, wide delay range, high precision, low power consumption, long life, large contact capacity, etc., and is suitable for automatic control.

■ Model description

DH48J: Accepts inputs such as electromagnetic relays and limit switches, and features a reset function.

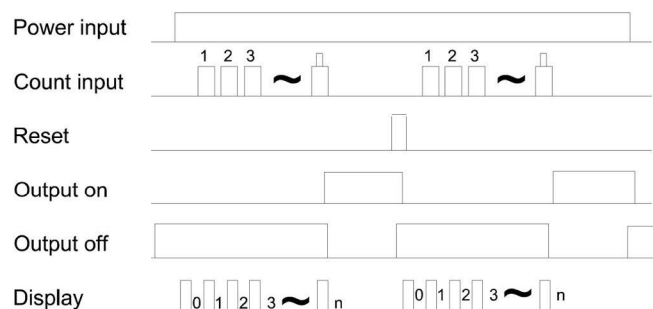
DH48JA: Accepts inputs such as proximity sensors and photoelectric sensors.

DH48J-11A: Accepts inputs such as electromagnetic relays, limit switches, proximity sensors, and photoelectric sensors, and features a reset function and a 10-year power-off memory.

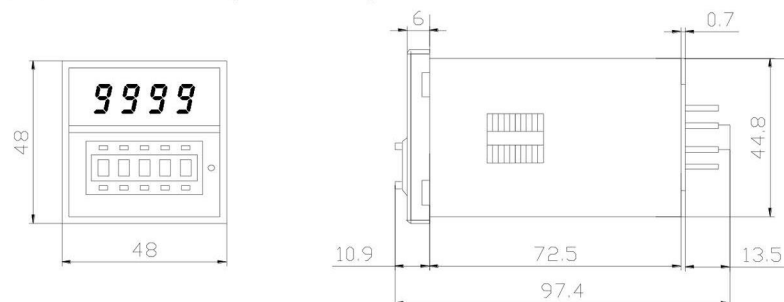
■ Features

1. Power supply tolerance: 85-110% rated voltage
2. AC: 110V, 220V, 380V
3. DC: 12V, 24V
4. Counting range: 1-9999 x1/x10/x100 multiple
5. Contact rating: 5A@220Vac, 5A@30Vdc(Resistance)
6. Mechanical life: $\geq 10^7$
7. Electrical life: $\geq 10^5$
8. Power consumption: $\leq 5W$
9. Operating temperature: $-10^{\circ}C$ to $50^{\circ}C$
10. Operating humidity: 95% RH max, non-condensing
11. Above sea level: <2000m
12. Max. counting speed: 30 cps
13. Min. counting pulse: 15ms

■ Sequence diagram

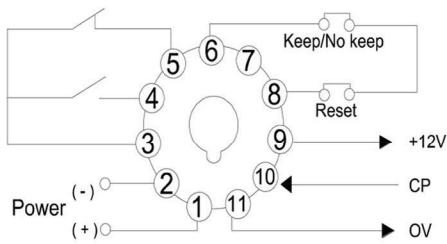


■ Dimensions (Unit: mm)

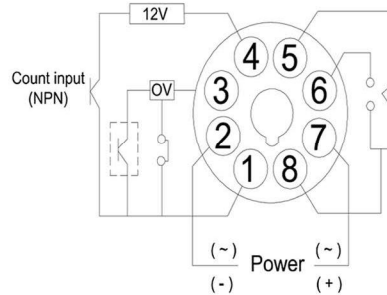


Note: Perforation dimension 45.5x45.5 mm

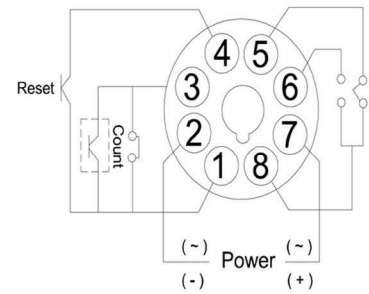
■ Wiring diagram



DH48J-11A

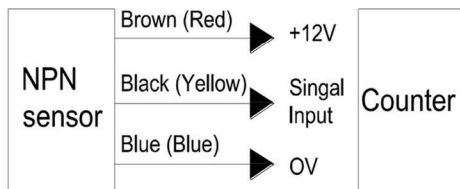


DH48JA



DH48J

■ NPN type sensor input for DH48J-11A, DH48JA



■ Use description

1. Preset multiple first, then press reset button, or disconnect the power more than 0.5 seconds then turn on the power, so that complete preset. (If the multiple is x10, it means input 10 input signal, display digital increase 1).
2. In a strong current environment, if the reset and signal wires are long, please use a shielded wire.
3. DH48J-11A, DH48JA 12V DC power output can be used for sensor supply, current is < 30mA.
4. When the DH48J-11A's ⑥ and ⑦ terminals switch on, it mean not keep memory, otherwise mean keep.
5. When the count reaches to preset number, the relay contact transposition, stop counting.
6. It is forbidden to add external voltage to reset, counting and memory terminals.
7. Can be customized.