

## LC4J Series



### General

- (1) Counting the input signal (PNP electric signal, NPN knot signal, contact signal).
- (2) To choose battery backup function freely. Data keep time after power cut should not less than 10 years (EEPROM).
- (3) Up digit (plus counting) or low digit (minus counting) panel dial code for selection. Three kinds of counting multiplying factor the counting range highly up to 1-999900.
- (4) 4 bits dial code preset, 1 bit dial code to set counting multiplying factor, LED with high bright displays counting value and the digit height is 0.36 inch.
- (5) DC12V, 20mA power supply output, it can be used for directly connected to sensors such as photoswitch and proximity switch.
- (6) Input signal adopts photoelectric coupling isolation to increase the anti-interference capability.
- (7) DIN(48mm x 48mm) standard panel dimension, connection mode of connecting terminals that without additional base, which is convenient to use with matchable equipments.

### Technical parameters

Class	Multiplex type preset counter
Type	LC4J
Rated working power	85~265VAC/DC input free, other working voltage upon request
Power consumption	Less than 4.5VA
Counting multiplying factor	$\times 1$ 、 $\times 10$ 、 $\times 100$ 、 $\underline{\times} 1$ 、 $\underline{\times} 10$ 、 $\underline{\times} 100$ (1 denotes to count and plus 1 for 1 input signal, 10 denotes to count and plus 1 for 10 input signals, 100 denotes to count and plus 1 for 100 input signals, x denotes positive mode $\underline{x}$ denotes in verse mode)
Counting range	1-999900, 4 bits dial code preset, 1 bit counting multiplying factor set
Counting speed	less than 60CPS
Counting signal input	Choose any in the three signal input modes: PNP electric signal (high level AC is 4~30V, DC IS 3.5~30V; low level AC is 0~1.5V, DC IS 0~1.2V. Negative terminal connects to common terminal for DC), NPN knot signal (emitter connects to common terminal) and contact signal. NPN and contact short circuit (ON) impedance less than 3k $\Omega$ and open circuit (OFF) impedance exceed 200k $\Omega$

Display mode	4 bits digital tube with high bright displays counting value in real time, character height is 0.36 inch
Relay capacity	Impedance load:Max 5A/250VAC or 5A/28VDC
Battery backup	For optional
Reset mode	Panel keying reset, base terminal reset, power on reset (Using the battery backup function, the counting value at time of power cut and action state of relay recovers after power on). Reset signal no less than 0.02Sec
Power output	Max DC12V, 20mA, not suitable to use as power
Service life	Mechanical life:5x10 <sup>6</sup> times,electric life:1x10 <sup>6</sup> times
Operating environment	Ambient temperature:-10~+55℃ (nonfreezing) Ambient humidity:35~85%RH
Noisy immunity	AC2kV (between operating power terminals ) or DC ± 500V, time accumulator works normally under disturbance of 1uS impulse width
Weight	About 121g
Installation mode	Panel built-in type, adopts the connection of connecting terminal mode

**Outline,connecting diagram, and tapping size**

