

Instruction of time relay TC-01

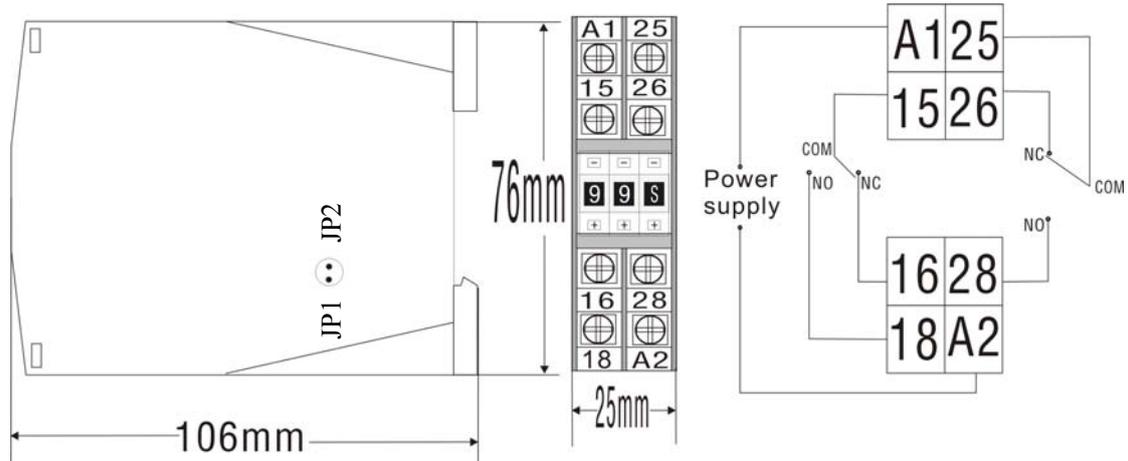
TC-01 time relay is with the function of seconds, minutes, hours arbitrarily set, and the application of a unique anti-jamming technology, delay connect or delay disconnect is optional after on power . It has advantage in accuracy time, long life, low power consumption, stable and reliable, intuitive and convenient. It's widely used in some occasion of control time such as metallurgy electronics industry,mechanism textile,medicine electric over and other electric appliances.

A、 Technical specification:

- 1、 Control range: 1S~99S、 1M~99M、 1H~99H
- 2、 Timing precision: 0.05%
- 3、 Setting method: Setting any hour, minute, second as you like by turning number switch.
- 4、 Power supply:AC 24~240V ,DC24~85V
- 5、 Power consumption: 2~3W
- 6、 Output capacity of contact point : AC220V 3A (resistance load)
- 7、 Machinery durability: 10^7 Electricity durability: 10^5
- 8、 Output circuit limiting current: 0.5 A
- 9、 Insulation voltage: 2KV
- 10、 Insulation resistance: $\geq 100M\Omega$
- 11、 Degree of protection: IP20
- 12、 Resume time: 1 S
- 13、 Repeatability: $\pm 0.2\%$
- 14、 Voltage influence: 0.01% temperature effect: 0.01%
- 15、 Over voltage sort: III
- 16、 Minimum control pulse: 1S
- 17、 Setting accuracy: 1.0%
- 18、 Immunity against electrostatic discharge: II
- 19、 Immunity against high-frequency electromagnetic fields: II
- 20、 Immunity against fast transients: II
- 21、 Immunity against surges: II
- 22、 Working environment: Under two stage polluted environment, temperature is-5~50℃, relative humidity is between 15%~85%RH,without corrosive gas.
- 23、 Externality dimension (mm): 106×76×25 Install DIN 35mm on the guide rail



B、 Size appearance and meter connection scheme (consult):



(Note: JP1 = On – delay ; JP2= Interval)

C、 Using method

First connect the meter as connection diagram, turn number switch to the control time you want to, then turn on the power, the meter start counting time from zero.

(1). Connect the terminal in the circular aperture (delay disconnect): At the moment the contact points of “COM”& “NO” connect on the terminal of meter. When the timing get to setting time, the meter stop timing and meanwhile the contact points of “COM”& “NO” will disconnect , “COM”& “NC” connect.

(2). Disconnect the terminal in the circular aperture (delay connect): At the moment the contact points of “COM”& “NC” connect on the terminal of meter. When the timing get to setting time, the meter stop timing and meanwhile the contact points of “COM”& “NC” will disconnect , “COM”& “NO” connect.

If the setting time is changed in halfway, it needs to turn off the power, then turn on the power again, it restarts counting time from zero to the new set time, otherwise it will stop at the first setting time.