

LT4I Series



General

- (1) Power on time limit relay, press key to set any time limit value and multiplex time value.
- (2) It reciprocally and circularly limits the working time, and also limits for one time.
- (3) Bicolor and high bright digitron display(Digit height is 0.36 inch),user can operate according to different cue tone.
- (4) Power on to set the action mode of inner relay(action mode state of four kinds of relays),it can replace various time relays in the market .One LT4I is equivalent to four pieces of time relays.
- (5) Industrial grade chip is built inside. Taking high accuracy crystal as clock source,signal input adopts photoelectric coupling.The product has characteristics of strong anti-interference capability and high delay accuracy,and is applied and is applied industrial control occasions.
- (6) DIN (48mm x 48mm) standard panel dimension, connection mode of connecting terminals that without additional base, which is convenient for user to wire. Insulation resistance between connecting terminals highly up to 500MΩ.
- (7) With wide applicable range for working power ,85~165VAC/DC free input.

Technical parameters

Class	LT4I intellectual type time limit time relay	
Type	LT4I-AB(R denotes double cycle type, for option)	LT4I-CD(R denotes double cycle type, for option)
Rated working voltage	85~265VAC/DC input free, other working voltage upon request	
Power consumption	5W Less than 5W	
Contact capacity	2 groups of relay output, capacity:impedance load max 5A/250VAC or 5A/28VDC	
Time range	0.01Sec-9999Sec(Choose bottom terminals)	0.01Sec-99Hr/59Min(Choose bottom terminals)
Time scale mode	Decimal system	Sexagesimal
Display mode	Power indicator light, action indicator light of relay, and bicolor digitron displays the current delay	
Data setting storage	Adopting EEPROM, the action mode of relay and data preset storing time not less than 10 years	
Action mode of relay	Four kinds of modes (Remark 1)	
Accuracy	Voltage affects error,repitive error less than±50PPM and preset error is 0	
Signal input	Reset and pause signal input is contact or NPN (emitter to common terminal 1),adopting photoelectric coupling isolation,signal width should not less than 0.02Sec	
Operating environment	Ambient temperature:-10~+55℃ (nonfreezing) Ambient humidity:35~85%RH	
Noisy immunity	AC3kV(between operating power terminals)or DC±700V,time accumulator works normally under disturbance of 1uS impulse width	
Service life	Mechanical life:5x10 ⁶ times,electric life:1x10 ⁶ times	
Weight	About 121g	

Remark 1: Output relay can preset any of the four working modes, see the following table

Code of preset mode	Working mode instruction for outputting relay
H-. on; d-.of	Starting delay after power on, relay closes after reaching preset value
H-. of; d-.of	Not delay after power on ,to make it work through panel reset key or bottom reset terminals, relay closes after reaching preset value
H-. on; d-.on	Starting delay after power on, relay closes and it releases after reaching preset value
H-. of; d-. on	Not delay after power on, relay closes, to make it work through panel reset key or bottom reset terminals, relay releases after reaching preset value

To set the above four kinds of working modes for relay as the following operations:For LC4I, press rese without stop before power on, after power on, LED displays any of the above four codes, to set the needed one via “∨” “∧” key, then press “set” to confirm, cut off the power and power on again.

Outline, connecting diagram and dial plate processing dimension

