LD72S Series

General

(1) 4 bits dial code preset time ,with LED display of high bright ,digit height is 0.56 inch. The digit is visual and striking.
(2) 1 bit dial code setting, three kinds of delay multiplying factor.
(3) With high performance built-in microchip,taking high accvuracy crystal as clock source,the delay accuracy highly up to 0.05%.
(4) Inpus signal adopts photoelectric coupling isolation to increase the anti-interference capability.
(5) Wide applicable range for working power,85~265VAC/DC free input.
(6) DIN (72mm x 72mm) 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 time limit relay	
Type	LD72S	LD72SE
Rated working voltage	85~265VAC/DC input free,other working voltage upon request	
Power consumption	Less Than 4.5VA	
Delay multiplying factor	0.01Sec、1Min/Sec、1Hr/Min (0.01Sec is decimal system, others are sexagtesimal)	
Delay range	1-9999 times delay multiplying factor	
Delay mode	Default mode is positive delay, it also can be selected as delay down mode.Instantaneous type is without power cut memory function	
Display mode	Sec flash indicator light works during delay process, action indicator light outputs after delay finish	
Accuracy	Voltage affects error,repetitve error less than$\pm$50PPM and preset error is 0	
Battery back-up	W/O	W (The function is also for time accumulator)
Weight and outline dimension	About150g，72W x 72H x 126D	
Input mode of reset signal and pause signal	NPN or contact type, short time (ON) Impedance less than 3kΩ, open circuit (OFF) Impedance exceed 100kΩ. Signal inside adopts photoelectric coupling isolation	
Reset mode and signal width	Power on rest, panel keying reset and bottom terminal reset, LED displays 0 (positive mode) after reset or current dial codepreset value (inverse code)	Panel keying reset and bottom terminal reset, LED displays 0 (positive mode) after reset or current dial code preset value (inverse code). Power on reset (Recover the delay value before power cut and the relay state)
Contact capaity of inside relya	When the delay value reach user's dial code preset value, contact of output relay changes. Contacvt capacity is impedance load max 5A/280VAC or 5A/28VDC (two groups of relays)	
Operating environment	Ambient temperature:-10~+55℃ (nonfreezing) Ambient humidity:35~85%RH	
Noisy immunity	AC2kV(between operating power terminals)or DC$\pm$500V,time accumulator works normally under sisturbance of 1uS impulse width	
Scrvice life	Mechanical life:$5x10^6$ times,electric life:$1x10^6$times	

Outline, connecting diagram and tapping size

72

72

125.5

8 9 10 12 13 14

Pause

Reset

4~20mA
12VDC
Output

85~265VAC/DC

Source

1 2 3 4 5 6 7

100(min)

100(min)

67.3 +0.3 0

67.3 +0.3 0