

LDP3S-REC Time accumulator series



General

- (1) To accumulate time to signal length or the interval length between two signals.
- (2) 6 bits LED with high bright display the current accumulated time. Digit height is 0.56 inch. Decimal point automatically changes its position according to the set time accumulating range. The data is more visual and striking.
- (3) Adopting special high performance microchip, taking crystal oscillator as time source and the time accumulating accuracy highly up to 0.05%
- (4) Choose signal source input mode and time accumulating mode (Use short circuit block to choose inside the meter) freely.
- (5) DIN (48mm x 96mm) standard panel dimension, connection mode of connecting terminals that without additional base, which is more convenient for user application.

Technical parameters

Class	Microcomputer time accumulator	
Type	LDP3S-REC	LD3ST-REC
Rated working voltage	85~265VAC/DC input free, other voltage upon request	
Time accumulating range	1mS~999.999Sec、0.01Sec~9999.99Sec、0.01Sec~99Min59.99Sec 1Sec~99HR59Min59Sec (Use short circuit block to choose time accumulating range inside the meter)	
LED Display	6 bits LED with high brilliance display the current accumulated time. Character height is 0.56 inch. Decimal point automatically changes its position according to the set time accumulating range	
Signal description of time accumulating start	PNP voltage type, NPN knot (contact type), bottom terminal selection (see Note)	
Signal description of time accumulating start	Time accumulator doesn't work when power on, it times according to the set timing range when signal coming. When signal pulls out, it stops timing, at the same time, the contact of relay inside the time accumulator converts.	Time accumulator doesn't work after power on, when signal coming but the time accumulator doesn't count. When signal pulls out, the time accumulator counts according to the counting set range; When signal coming again, it stops counting, there is no relay contact inversion
Function characteristic	To accumulating time to signal length	To accumulating time to the width between two signals
Weight and outline dimension	About 123g, 48W x 96H x 84D	
Reset mode and signal width	Panel reset, bottom terminal reset, the width of reset signal should not less than 20mS	
Autoclear	When Many times signal com, the meter I automatically clear the last accumulated time and retiming.	
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	
Service life	Mechanical life:5x10 ⁶ times,electric life:1x10 ⁶ times	

Note: PNP voltage input can be AC or DC, up level 3-30VAC and low level 0-1.2VDC for DC (1 to positive and 3 to negative when for DC). For NPN knot, collector connects to 1 and emitter connects to 3. NPN knot or contact type short circuit (ON) impedance should not exceed 3kΩ, and open circuit (OFF) impedance should not less than 200KΩ.

Connecting diagram and tapping size

