

LD72S-REC Time accumulator series



General

- 1) To accumulate time to signal length.
- (2) 4 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) Freely to choose signal source input mode (choose bottom connecting terminals) and time accumulating mode (choose the red toggle switch inside the meter).
- (5) DIN (72mm x 72mm) standard panel dimension, connection mode of connecting terminals that without additional base, which is more convenient for user's application.

Technical parameters

Class	Microcomputer time accumulator
Type	LD72S-REC
Rated working voltage	85~265VAC/DC input free, other voltage upon request
Time accumulating range	0.01Sec~99.99Sec、0.1Sec~9999Sec、1Sec~9999Sec、0.1Min~999.9Min、1Min~9999Min、1Hr~9999Hr、1S~99Min59Sec、1Min~99Hr59Min (Use the red toggle switch inside the meter to choose time accumulating range)
LED Display	4 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 and used as sec. flash indicator light.
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.
Weight and outline dimension	About 153g, 72W x 72H x 126D
Reset mode and signal width	Panel reset, bottom terminal reset, the width of reset signal should not less than 20mS
Autoclear	Many times signal coming, the meter will automatically clear the last accumulated time and retiming.
Operating environment	Ambient temperature: -10~+55°C (nonfreezing) Ambient humidity: 35~85%RH
Noisy immunity	AC 2kV (between operating power terminals) or DC ± 500V, time accumulator works normally under disturbance of 1uS impulse width
Service life	Mechanical life: 5x10 <sup>6</sup> times, electric life: 1x10 <sup>6</sup> 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

