

LCD Digital Timers



LE4S Series CATALOG

For your safety, read and follow the considerations written in the instruction manual, other manuals and Autonics website.

The specifications, dimensions, etc. are subject to change without notice for product improvement. Some models may be discontinued without notice.

Features

- Mounting space saving with compact design : downsized by approx. 22% in depth compared to existing models (length of panel on the back side is 56 mm)
- Available to set each value and time range separately when choosing Flicker (FK, FK I) or ON-OFF Delay (ON OFF D, ON OFF D I) output mode
- Adds Flicker 1 mode (LE4SA)
- Settable One-shot output time (0.01 to 99.99 sec) (existing model: fixed 0.5 sec)
- Configurable time range (added 9.999 sec): settable by 0.001 sec unit
- Selectable min. input time: 1 ms or 20 ms (LE4S)
- Improved return time: 100 ms
- Backlight ON / OFF function
- Wide time range (0.01 sec to 9999 hour)
- Lock setting function for saving setting data
- Soft touch setting
- High visibility display with backlight

Ordering Information

This is only for reference, the actual product does not support all combinations. For selecting the specified model, follow the Autonics website.

LE4S ①

① Output

No mark: Time limit 1c

A: Time limit 2c, Time limit 1c + Instantaneous 1c

Product Components

- Product (+ bracket)
- Instruction manual

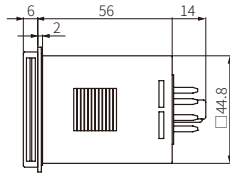
Specifications

Model	LE4S	LE4SA	
Function	MULTI time, MULTI operation		
Display method	LCD (Backlight)		
Return time	≤ 100 ms		
Time operation	Signal ON Start	Power ON Start	
Input signal	START, INHIBIT, RESET		
Min. signal width	≈ 1, 20 ms	-	
No-voltage input	Short-circuit impedance: ≤ 1 kΩ Short-circuit residual voltage : ≤ 0.5 VDC≐ Open-circuit impedance: ≥ 100 kΩ	-	
Control output	Relay		
Contact type	Time limit SPDT (1c)	Time limit DPDT (2c), Time limit SPDT (1c) + Instantaneous SPDT (1c) (depends on operation mode)	
Contact capacity	250 VAC~ 5 A, 30 VDC≐ 5 A resistive load	250 VAC~ 3 A, 30 VDC≐ 3 A resistive load	
Error	Repeat	Power ON Start	≤ ± 0.01% ± 0.05 sec
	SET	: ≤ ± 0.01% ± 0.05 sec	
	Voltage	Signal ON Start	
	Temp.	: ≤ ± 0.005% ± 0.03 sec	
Approval	CE,		
Unit weight	≈ 98 g		

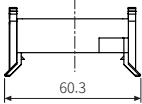
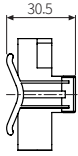
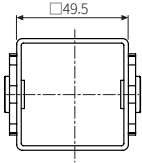
Model	LE4S	LE4SA
Power supply	24 - 240 VAC~ ± 10% 50 / 60 Hz, 24 - 240 VDC≐ ± 10%	
Power consumption	AC: ≤ 4.5 VA, DC: ≤ 2 W	AC: ≤ 4 VA, DC: ≤ 1.6 W
Insulation resistive	100 MΩ (500 VDC≐ megger)	
Dielectric strength	2000 VAC~ 50 / 60 Hz for 1 min	
Noise immunity	± 2 kV square-wave noise by noise simulator (pulse width 1 μs)	
Vibration	0.75 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 1 hour	
Vibration (malfunction)	0.5 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 10 min	
Shock	300 m/s ² (≈ 30 G) in each X, Y, Z direction for 3 times	
Shock (malfunction)	100 m/s ² (≈ 10 G) in each X, Y, Z direction for 3 times	
Relay life cycle	Mechanical: ≥ 10,000,000 operations Electrical: ≥ 100,000 operations	
Ambient temperature	-10 to 55 °C, storage: -25 to 65 °C (no freezing or condensation)	
Ambient humidity	35 to 85 %RH, storage: 35 to 85 %RH (no freezing or condensation)	

Dimensions

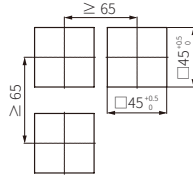
- Unit: mm, For the detailed drawings, follow the Autonics website.



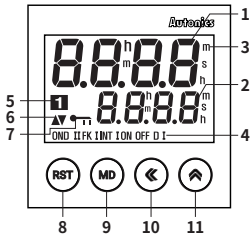
Bracket



Panel cut-out



Unit Descriptions



No.	Name	Function
1	Time progressing display part	Shows progressing time
2	Time setting display part	Shows the setting time
3	Time unit	Shows time unit (h: hour / m: min / s: sec) Flashing: time progressing
4	Operation mode	Shows current output operation mode • INTG: no mark
5	Output contact	Shows the status of current output contact
6	UP / DOWN	Shows UP / DOWN mode of time progressing
7	Key lock	Shows key lock status
8	[RST] key	Initializes progressing time and output return
9	[MD] key	Enter RUN mode ↔ Parameter setting Shift to next parameter in parameter setting
10	[◀] key	Enter RUN mode ↔ setting time change mode Move the digit when changing the setting value.
11	[▲] key	Change the parameter setting value