

LCD Digital Timers (Indicator)



LE8N 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

- No additional power due to internal battery
- Signal input method: no-voltage input, voltage input, free voltage input
- Screw terminal type (attaching terminal cover)
- LCD display, backlight model
- Protection rating: IP66

Ordering Information

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

LE8N - B ① - ②

① Input method

N: no-voltage input
V: voltage input
F: free voltage input

② Backlight

No-mark: none
L: Backlight function

Product Components

- Product (+ bracket, rubber waterproof ring)
- Instruction manual

Specifications

Model	LE8N-BN	LE8N-BN-L	LE8N-BV	LE8N-BV-L	LE8N-BF
Display digits	8-digit				
Display method	LCD Zero Blanking (character size: W 3.4 × H 8.7 mm)				
Operation method	Count up				
Time range	0 to 99999999				
Error	Time / Temp.: ± 0.01%				
Input method	No-voltage input		Voltage input		Free voltage input
Counting input (H)	Short Residual voltage: ≤ 0.5VDC≐ Max. impedance: ≤ 10kΩ		4.5 - 30 VDC≐		24-240VAC~/ 6-240VDC≐
Counting input (L)	Open Min. impedance: ≥ 750kΩ		0 - 2 VDC≐		0 - 2 VAC~/ 0 - 2.4 VDC≐
RESET input	No-voltage input		Voltage input		No-voltage input
Min. signal width	SIGNAL INPUT, RESET: ≥ 20 ms				
Unit weight (packaged)	≈ 50 g (≈ 96 g)				
Approval	CE cRUus EAC				
Power supply	Built-in battery (CR2477)				
Battery life cycle	≥ 10 years (at ≈ 20 °C)				
Backlight power	24 VDC≐ ± 10%				
Insulation resistance	≥ 100 MΩ (500 VDC≐ megger)				
Dielectric strength ⁰¹⁾	2,000 VAC~ at 60 Hz for 1 min				
Vibration	0.75 mm double amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 1 hour				
Vibration (malfunction)	0.5 mm double amplitude at frequency of 10 to 55Hz (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				
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)				
Protection rating	IP66 (front part, when using the rubber waterproof ring, IEC standard)				

01) No-voltage input, voltage input: between all terminals and case
Free voltage input: between free voltage input terminal and RESET input terminal, between all terminals and case

Dimensions

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

