

W 72 × H 72 mm LCD Week / Year Digital Timers



LE7M-2 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

- Various external input functions
- Clear display with built-in backlight
- Easy to check and change the program setting
- Customizable weekly or yearly unit time setting and control by user
- Includes daylight saving time function
- Built-in 2 independent control output (relay)
- Flush mount or Surface / DIN rail mount available (depending on the model)

Ordering Information

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

LE7M - 2 ①

① Mounting type

- B: Flush mount
- D: Surface mount

Product Components

Model	LE7M-2B	LE7M-2D
Product components	Product, instruction manual	
Bracket	× 2	-
Base plate	-	× 1
Bolt	-	× 2 (for the base plate)

Specifications

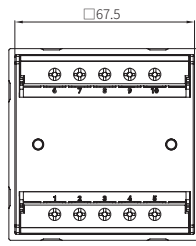
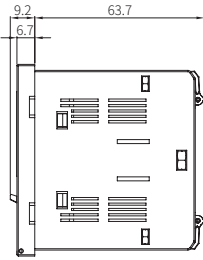
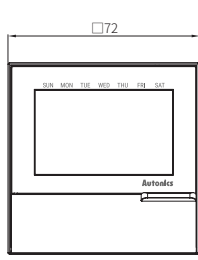
Model	LE7M-2B	LE7M-2D
Number of steps for the program	64 steps for weekly, 32 steps for yearly	
Operation mode	Weekly: ON/OFF, pulse, cycle operation Yearly: ON/OFF, pulse operation	
Temperature error	≤ (±0.01%±0.05 sec), at a ratio by the setting time	
Cyclic error	± 15 sec/month (25 °C, ± 4 sec/1 week)	
Memory retention	≥ 5 years (25 °C)	
External input	Open or short circuit by a contact device (switch or relay)	
Mounting type	Flush mount	Surface or DIN rail mount
Approval	CE cRUUS	CE cRUUS
Unit weight (packaged)	≈ 207 g (≈ 337 g)	≈ 208 g (≈ 361 g)

Power supply	100 - 240 VAC ~ ± 10%, 50/60 Hz
Power consumption	≤ 4.2 VA
Control output	Relay
Contact type	SPDT (1c)
Contact capacity	Resistive load: 250 VAC ~ 15 A
Number of circuits	Independent 2 circuits (1c × 2)
Mechanical life expectancy	≥ 10,000,000 operations (switching capacity: 30 times/min)
Electrical life expectancy	≥ 50,000 operations (switching capacity: 20 times/min, resistive load: 250 VAC ~ 15 A)
Insulation resistive	≥ 100 MΩ (500 VDC ≡ megger)
Noise immunity	± 2 kV square-wave noise by noise simulator (pulse width 1 μs)
Dielectric strength	Between primary terminal and case : 3,000 VAC ~ at 50/60 Hz for 1 min
Vibration	0.75 mm double amplitude at frequency of 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 2 hours
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
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)

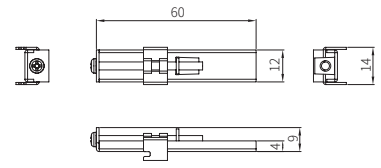
Dimensions

- Unit: mm, For the detailed drawings, follow the Autonics website.
- The bolt size of terminal blocks: M3.5

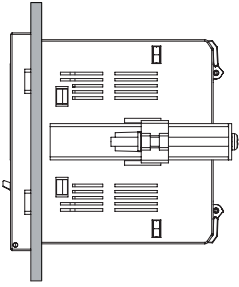
LE7M-2B



• Bracket

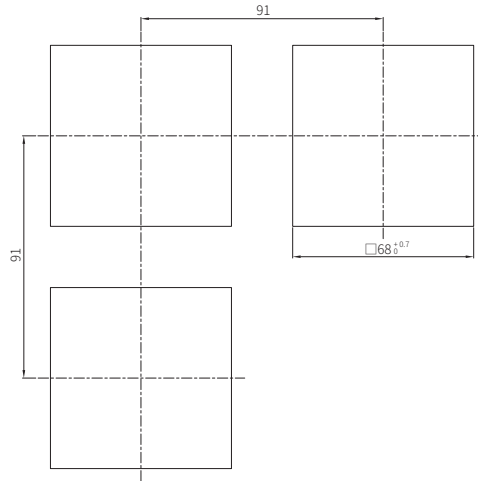


• Flush mounting installation

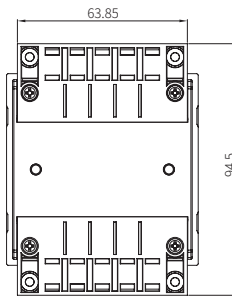
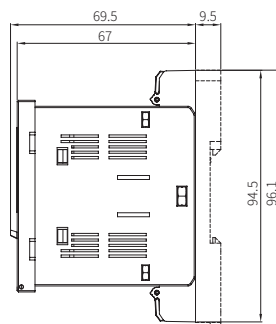
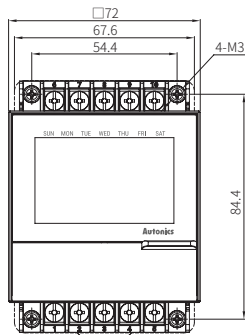


• Panel cut-out

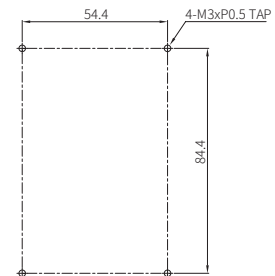
Panel thickness: ≤ 3.7 mm



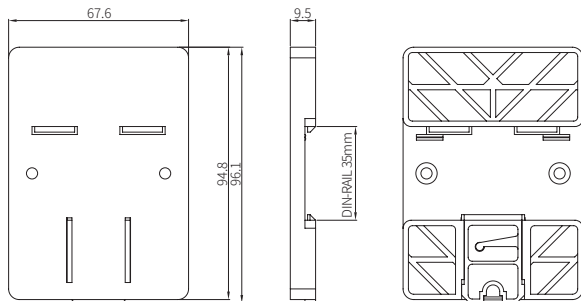
LE7M-2D



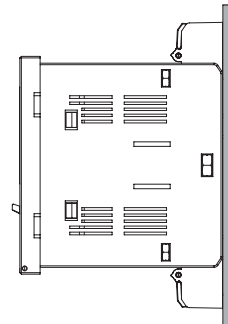
• Panel hole cut-out



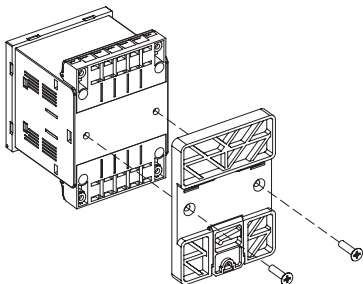
• DIN rail mounting installation: Base plate



• Surface mounting installation



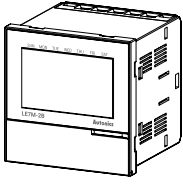
- Use the provided bolts to mount the base plate for the DIN rail installation.



Unit Descriptions

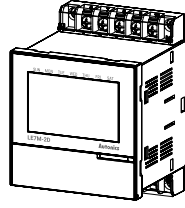
■ LE7M-2B

: flush mounting installation



■ LE7M-2D

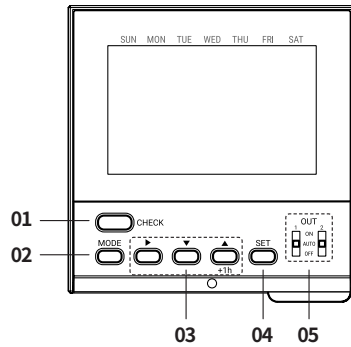
: surface mounting installation



Sold Separately

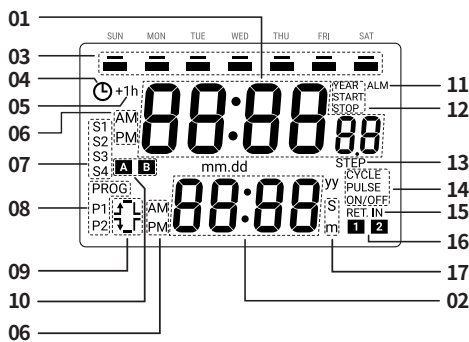
- Bracket
- Base plate

■ Button layout



01. [CHECK] key
02. [MODE] key
03. [▶][▼][▲] key
+1h: summer time (DST)
04. [SET] key
05. Switch for output settings
ON: keeps the output in ON state
AUTO: controls the state of output depending on the settings
OFF: keeps the output in OFF state

■ Screen layout



01. Main display part
02. Sub-display part
03. Day indicator and day display
04. Current time setting indicator
05. Summer time (DST) indicator
06. AM/PM indicator
It turns ON depending on the selected 12/24h display mode
07. Season indicator
08. Program indicator
09. Setting state display
ON time/day: OFF time/day:
ON time width: OFF time width:
Pulse width:
10. Bank group indicator
11. Total time/count alarm indicator
12. Year indicator
13. Display for the number of remaining steps
14. Operation mode indicator
15. Retention (return) input indicator
16. Output operation (OUT 1, OUT 2) indicator
17. Indicator for the unit of pulse width