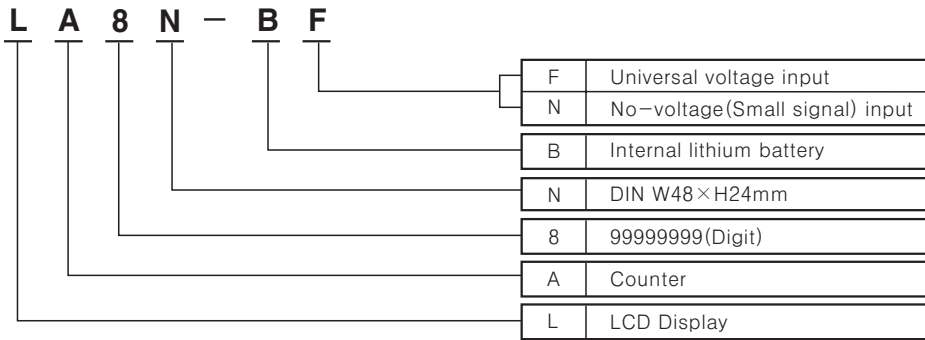




## Selection Guide

### LCD counter(LA8N series)

#### Ordering information



#### Specifications

Model	LA8N-BN	LA8N-BF
Digit	8	
Appearances & Dimensions	  [W48×H24×L54mm]	
Display	LCD Zero Blanking type (Height : 8.7mm)	
Operation method	Count up mode	
Power supply	Internal lithium battery	
Input type	No-voltage input	Universal voltage input
Counting speed	Selectable 1cps / 30cps / 1kcps	20cps
Count input	Residual voltage : Max. 0.5V Impedance at short-circuit : Max. 10kΩ (ON) Impedance at open-circuit : Min. 500kΩ (OFF)	High : 24-240VAC / 6-240VDC Low : 0-2VAC / 0-2.4VDC
Reset input	No-voltage input	
Min. signal width of Reset	Min. 20ms	
Battery life cycle	Over 7 years (at 20°C)	
External switch	SW1(★1), SW2(★2)	SW1(★1)
Insulation resistance	Min. 100MΩ (at 500VDC)	
Dielectric strength	(★3) 2000VAC 60Hz for 1 minute	
Vibration	Mechanical	0.75mm amplitude at frequency of 10 ~ 55Hz in each of X, Y, Z directions for 1 hour
	Malfunction	0.3mm amplitude at frequency of 10 ~ 55Hz in each of X, Y, Z directions for 10 minutes
Shock	Mechanical	300m/s <sup>2</sup> (Approx. 30G) in X, Y, Z directions for 3 times
	Malfunction	100m/s <sup>2</sup> (Approx. 10G) in X, Y, Z directions for 3 times
Ambient Temperature	-10 ~ +55°C (at non-freezing status)	
Storage Temperature	-25 ~ +65°C (at non-freezing status)	
Ambient humidity	35 ~ 85%RH	

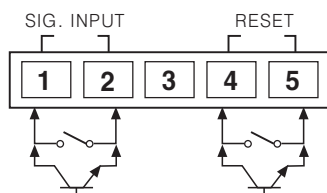
(★1) SW1 is a switch for front RESET key setting.

(★2) SW2 is a switch for counting speed setting.

(★3) No-voltage input: Between all terminals and case, Universal voltage input: Between input terminal and reset input terminal, all terminals and case

#### Connections

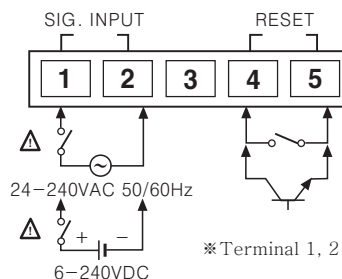
##### No-voltage input



\*Use reliable contacts enough to flow 5μA of current.

\*Terminal 2 and 5 are connected inside. (Non-isolation)

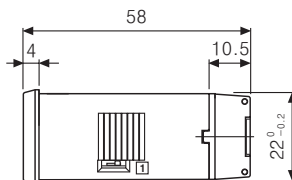
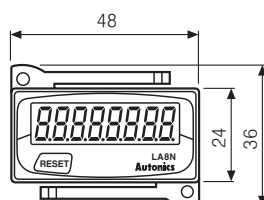
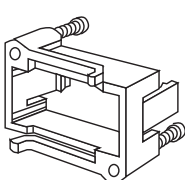
##### Universal voltage input



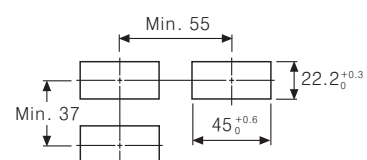
\*Terminal 1, 2 and 4, 5 are isolated.

#### Dimensions

##### Bracket



##### Panel cut-out



Unit:mm