




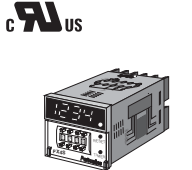
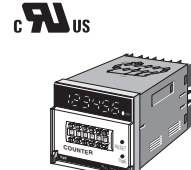
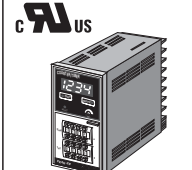
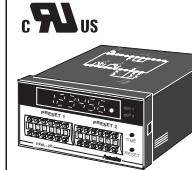


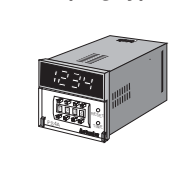
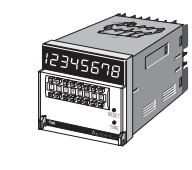
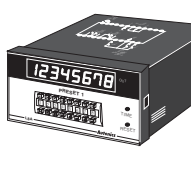
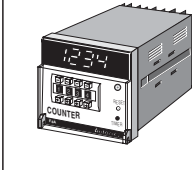

Product Overview

Series	LA8N SERIES(LCD Type)	
Digit	8digits	
Model	LA8N-BN	LA8N-BF
Appearances and sizes		
Display	[W48×H24×L54mm] 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 at short-circuit : Max.0.5V Impedance at short-circuit : Max. 10kΩ (ON) Impedance at open-circuit : Min. 500kΩ (OFF)	"H" level voltage : 24-240VAC / 6-24VDC "L" level voltage : 0-2VAC / 0-2.4VDC
External switch	SW1, SW2	SW1
RESET input	No-voltage input	
Min.signal width of RESET	Min. 20ms	
Battery life cycle	Over 7 years(at 20°C)	
Insulation resistance	Min. 100MΩ (at 500VDC)	
Vibration	Mechanical	0.75mm amplitude at frequency of 10 ~ 55Hz in each of X, Y, Z directions for 1 hour
	Malfunaction	0.3mm amplitude at frequency of 10 ~ 55Hz in each of X, Y, Z directions for 10 minutes
Shock	Mechanical	300m/s ² (Approx. 30G) in X, Y, Z directions for 3 times
	Malfunaction	100m/s ² (Approx. 10G) in X, Y, Z directions for 3 times
External power	12VDC ±10%, 50mA Max.	
Reference	A-3~5	

Series		CTY SERIES	CTS SERIES		CT SERIES
Digit		6digits	4digits	6digits	6digits
Model	Single preset type	CT6Y	CT4S	CT6S	CT6
	Dual preset type	CT6Y-2P	CT4S-2P	CT6S-2P	CT6-2P
	Indicator	CT6Y-I		CT6S-I	CT6-I
Appearances and sizes		 [W72×H36×L77mm]	 [W48×H48×L90mm]	 [W72×H72×L85mm]	
Operation type		Count up, Count down, Count Up/Down			
Power supply		100-240VAC 50/60Hz, 24-60VDC			
Allowable voltage range		90~110% of power supply			
Max. counting speed		Selectable 1cps, 30cps, 1kcps, 5kcps, 10kcps			
Min. signal range	Counter	Input reset : Select either 1ms or 20ms			
	Timer	INA, INH, RESET signal : Select either 1ms or 20ms			INA, RESET, INHIBIT, BATCH RESET : Select either 1ms or 20ms
Input type		[Voltage input] Input impedance : 5.4kΩ, "H" level voltage : 5-30VDC, "L" level voltage : 0-2VDC [No voltage input] Impedance at short-circuit : Max. 1kΩ, Residual voltage at short-circuit : Max. 2V, Impedance at open-circuit : Min. 100kΩ			
Control output	Contact	Type	Single preset type : SPDT(1c), Dual preset type : SPST(1a) for first/second output		Single preset type : SPDT(1c) Dual preset type : SPST(1a) for first output SPDT(1c) for second output
		Capacity	No: 250VAC 3A at resistive load, NC: 250VAC 2A at resistive load		
	Solid-state	Type	Single preset type : 1NPN open collector Dual preset type : 1NPN open collector		
Capacity		30VDC 100mA Max.			
Memory protection		10 years(when using non-volatile semiconductor memory)			
External power		12VDC ±10%, 100mA Max.			
Reference		A-6~29			

Product Overview

Series		FX4 SERIES		FX5 SERIES		FX6 SERIES		FX7 SERIES		FX8 SERIES	
Digit		4digits	6digits	4digits	5digits	4digits	6digits	4digits	6digits	4digits	6digits
Model	Single preset type	—	—	FX4S	—	FX4	FX6	FX4H	—	—	—
	Dual preset type	—	—	—	—	FX4-2P	FX6-2P	FX4H-2P	—	FX4L-2P	FX6L-2P
	Indicator	FX4Y-I	FX6Y-I	—	FX5S-I	FX4-I	FX6-I	FX4H-I	—	FX4L-I	FX6L-I
Appearances and sizes		 [W72×H36×L93mm]		 [W48×H48×L91mm]		 [W72×H72×L112mm]		 [W48×H96×L100mm]		 [W144×H72×L112mm]	
Operation type		Count up, Count down, Count Up/Down									
Power supply		100-240VAC 50/60Hz, 12-24VAC/DC (Option)									
Allowable voltage range		90~110% of power supply									
Max. counting speed		Selectable 1cps, 30cps, 2kcps, 5kcps by internal DIP switch									
Min. signal range		Min. 20ms (Input INHIBIT, RESET)									
Input type	CP1, CP2 input	[No-voltage input] Impedance at short-circuit: Max. 1kΩ, Residual voltage at short-circuit: Max. 1V, Impedance at open-circuit: Min. 100kΩ			[No-voltage input] ⇨ Impedance at short-circuit: Max. 1kΩ, Residual voltage at short-circuit: Max. 2V, Impedance at open-circuit: Min. 100kΩ [Voltage input] ⇨ Input impedance: 10kΩ, "H" level voltage: 5-30VDC, "L" level voltage: 0-2VDC						
	RESET input										
Control output	Con-tact	Type	SPDT (1c)			Single preset type: SPDT (1c), Dual preset type: SPDT (1c) × 2					
		Capacity	250VAC 3A resistive load			250VAC 3A resistive load					
	Solid-state	Type	1 NPN open collector			Single preset type: 1 NPN open collector, Dual preset type: 2 NPN open collectors					
		Capacity	Max. 30VDC 100mA			Max. 30VDC 100mA					
Reference		A-30-35		A-36-43		A-44-52					

Series		FS SERIES		F SERIES		L SERIES		FM SERIES		LM SERIES	
Digit		4Digit	5Digit	8Digit	8Digit	4Digit	6Digit	4Digit	6Digit	4Digit	6Digit
Model	Single preset type	FS4A	—	F8A	—	L8A	F4AM	F6AM	—	—	—
	Dual preset type	—	—	—	—	—	F4AM-2P	F6AM-2P	L4AM-2P	L6AM-2P	—
	Indicator	—	FS5B	F8B	—	L8B	F4BM	F6BM	L4BM	L6BM	—
Appearances and sizes		 [W48×H48×L85mm]		 [W72×H72×L113mm]		 [W144×H72×L112mm]		 [W72×H72×L112mm]		 [W144×H72×L112mm]	
Operation type		Count up, Count down				Count up, Count down, Count Up/Down					
Power supply		100-240VAC 50/60Hz, 12-24VAC/DC (Option)									
Allowable voltage range		90~110% of power supply									
Max. counting speed		Selectable 1cps, 30cps, 2kcps, 5kcps by internal DIP switch									
Min. signal range		RESET input : Min. 20ms									
Input type	CP1, CP2 input	[No-voltage input] Impedance at short-circuit: Max. 1kΩ, Residual voltage at short-circuit: Max. 1V, Impedance at open-circuit: Min. 100kΩ			[Voltage input] ⇨ Input impedance: 5.4kΩ, "H" level voltage: 5-30VDC, "L" level voltage: 0-2VDC [No-voltage input] ⇨ Impedance at short-circuit: Max. 1kΩ, Residual voltage at short-circuit: Max. 2VDC, Impedance at open-circuit: Min. 100kΩ						
	RESET input										
Control output	Con-tact	Type	SPST (1a)	—	SPDT (1c)			Single preset type: SPDT (1c) Dual preset type: SPDT (1c) × 2			
		Capacity	250VAC 3A resistive load	—	250VAC 3A resistive load						
	Solid-state	Type	1 NPN open collector	—	1 NPN open collector			Single preset type: 1 NPN open collector Dual preset type: 2 PNP open collectors			
		Capacity	Max. 30VDC 100mA	—	Max. 30VDC 100mA						
Reference		A-53-57		A-58-64				A-65-73			