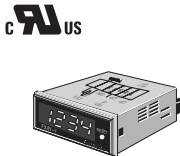
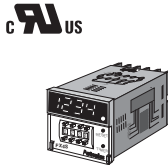
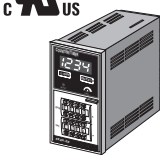


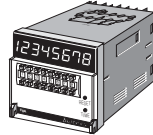
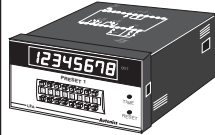
Product Overview

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 fixed
Count input	Residual voltage at short-circuit : Max. 0.5V Impedance at short-circuit : Max. 10k Ω (ON) Impedance at open-circuit : Min. 500k Ω (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℃)	
Insulation resistance	Min. 100M Ω (at 500VDC)	
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 ² (Approx. 30G) in X, Y, Z directions for 3 times
	Malfunction	100m/s ² (Approx. 10G) in X, Y, Z directions for 3 times
Reference	A-3~5	

Series		CTY SERIES		CTS SERIES		CT SERIES	
Digit		6digits		4digits		6digits	
Model	Single preset type		CT6Y	CT4S		CT6S	
	Dual preset type		CT6Y-2P	CT4S-2P		CT6S-2P	
	Indicator		CT6Y-I			CT6S-I	
Appearances and sizes		 [W72×H36×L77mm]		 [W48×H48×L90mm]		 [W72×H72×L85mm]	
Operation type		Count up, Count down, Count Up/Down					
Power supply	AC		100-240VAC 50/60Hz				
	AC/DC		24-60VAC 50/60Hz/24-60VDC (Option)				
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: First output SPST(1a) + Second output SPDT(1c)			Single preset type : SPDT(1c) Dual preset type : SPST(1a) for first output SPDT(1c) for second output	
		Capacity	Contact NO : 250VAC 3A resistive load, Contact NC : 250VAC 2A resistive load				
	Solid-state	Type	Single preset type : 1NPN open collector Dual preset type : 1NPN open collector			Single preset type : 2 NPN open collectors Dual preset type : 3 NPN open collectors	
		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			FX4Y SERIES		FX4S SERIES		FX SERIES		FXH SERIES		FXL 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. 470Ω, Residual voltage at short-circuit: Max. 1V, Impedance at open-circuit: Min. 100kΩ			[No-voltage input] ⇨ Impedance at short-circuit: Max. 5.4kΩ, 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			
External power			12VDC ±10%, 50mA Max.									
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
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		*8Pin plug type							
									
		[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		Single preset type:1 NPN open collector Dual preset type:2 PNP open collectors		
		Capacity	—				Max. 30VDC 100mA		
Reference		A-53~57		A-58~64		A-65~73			

(A)
Counter

(B)
Timer

(C)
Temp.
controller

(D)
Power
controller

(E)
Panel
meter

(F)
Tacho/
Speed/
Pulse
meter

(G)
Display
unit

(H)
Sensor
controller

(I)
Switching
power
supply

(J)
Proximity
sensor

(K)
Photo
electric
sensor

(L)
Pressure
sensor

(M)
Rotary
encoder

(N)
Stepping
motor &
Driver &
Controller

(O)
Graphic
panel

(P)
Field
network
device

(Q)
Production
stoppage
models &
replacement