

Digital Batch and Length Counters



ELTEC CABLES & INSTRUMENTS

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EMPOWERING PROCESS MANAGEMENT



Specifications

DESCRIPTION		BL-44	BL-77	BL-88	BL-99
BATCH/ LENGTH/ PRESET COUNTER					
Display	Type	7 Segment LED (White Display for Upper Row and Pure Green Display for Lower Row)			
	No. of Digits	6 Digits Upper Row 4 Digits Lower Row			
	LED Indication	Mode (Batch Counter/ Length Counter/ Preset Counter) Output (RL1/ RL2) Status (Batch/ RT)			
Count Setting		Through Keyboard			
INPUT SPECIFICATION					
Control Input	Count	Proximity S/W (NPN/PNP) Potential Free Contact 3 to 30 VDC Pulse 230 VAC (On request)			
	Reset	Front Switch Remote Terminal			
Accuracy		0.05% FS			
Sensor Supply		12 VDC @ 30 mA (Short Circuit Protected)			
OUTPUT SPECIFICATION					
No. Of Outputs		2	3 (2 x Relay output + 12VDC Output)		
Relay		5A @ 250 VAC/30 VDC			
SSR Drive		12 VDC @ 30mA			
GENERAL SPECIFICATION					
Supply Voltage		90 - 270 VAC/ DC (24 VDC Available on Request)			
Temperature And Humidity		Operating : 0-50°C Storage : -20° to 75°C 95 % RH (Non-condensing)			
Dimensions in mm (H x W x D)	Model No.	Display Height			
		Upper	Lower		
48 x 48 x 78	BL-44	0.30"	0.24"		
72 x 72 x 65	BL-77	0.39"	0.39"		
48 x 96 x 53	BL-88	0.39"	0.39"		
96 x 96 x 53	BL-99	0.56"	0.56"		

Functional Specifications

OPERATING MODE	BATCH	LENGTH	PRESET
Upper Display (6 Digits)	Total Counts	Current Length	Current Count
Lower Display (4 Digits)	Current Count	Meter/ Min	RPM
Resolution	1	0.1	0.00001 to 1
Input	Count Input	Count Input	Count Input
Count Range	0 to 999999 Counts	0 to 999999 Counts	0 to 999999 Counts
Count Speed	3 Hz to 2.5KHz	3 Hz to 2.5KHz	3 Hz to 2.5KHz
Count Direction	Up	Up	Up
Scaler	N.A	N.A	Programmable
Scale Factor	N.A	N.A	0.00001 to 999999
Diameter	N.A	Programmable	N.A
Length Diameter	N.A	0.01 to 9999.99 mm	N.A
Memory	Yes	Yes	Yes
Front Reset	Programmable	Programmable	Programmable
Back Reset	Reset time (20 ms)	Reset time (20 ms)	Reset time (20 ms)
Delay Modes	On Delay	On Delay	On Delay
Output 1 Modes	Latch Output Auto Reset Offset Count		
Output 2 Function	Auxiliary Contact Batch Mode Independent Set point Off		
Output 3 Type	Buzzer Output	Buzzer Output	Buzzer Output



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