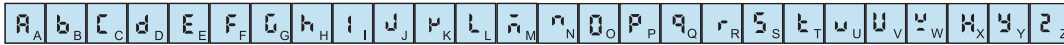
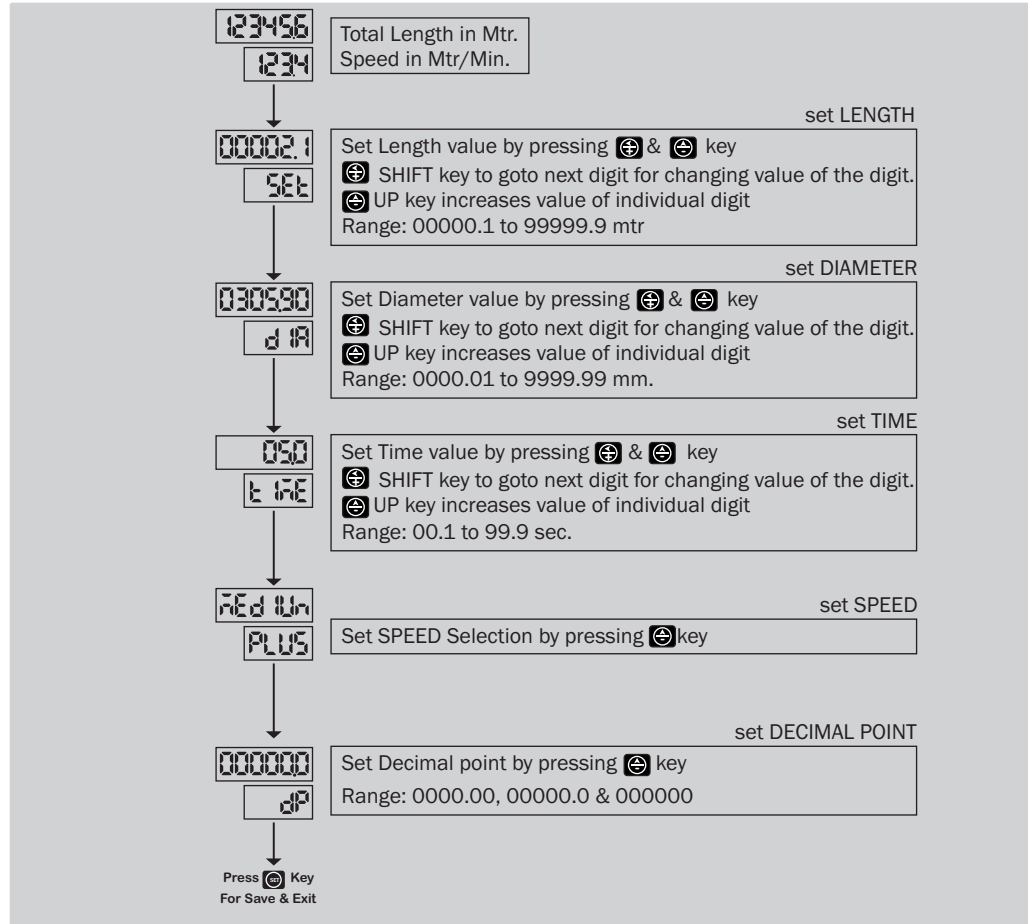


Display Alphabet Characters



Operation & Menu

Procedure to set Channel of Program :



VBTRON AUTOMATION PVT. LTD.

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Authorized Distributor :

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product improvement, specifications are  
subject to change without notice.

**SAFETY PRECAUTIONS**

Do not touch the terminals while power is being supplied.  
Doing so may occasionally result in minor injury due to electric shock.

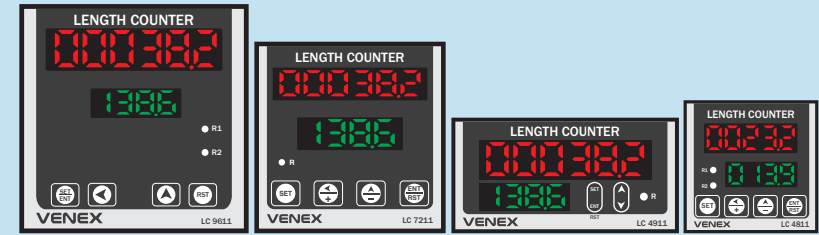
Do not allow pieces of metal, wire clippings, or fine metallic shavings  
or filings from installation to enter the product. Doing so may occasionally  
result in electric shock, fire, or malfunction.

Do not use the product where subject to flammable or explosive gas.  
Otherwise, minor injury from explosion may occasionally occur.

Never disassemble, modify, or repair the product or  
touch any of the internal parts. Minor electric shock, fire,  
or malfunction may occasionally occur

If the output relays are used past their life expectancy, contact fusing or burning may  
occasionally occur. Always consider the application conditions and use the output  
relays within their rated load and electrical life expectancy. The life expectancy of  
output relays varies considerably with the output load and switching conditions

This section gives you all the information necessary to help you monitor and operate your controller including an Operator Interface overview, an explanation of the Displays, keys, LEDs, Mode access, and Operation Modes.



<b>SETTING</b>	Set Point Range Setting	1 Set Point 0 - 99999.9 / 999999 Meter
<b>INPUT</b>	Input Single	NPN/PNP Proxy / Micro switch / Limit Switch (Configurable) / Encoder (Factory Set)
<b>OUTPUT</b>	Control Output Relay Rating SSR / Buzzer	1CO OR 2CO OR SSR 1CO, 5 Amp. 230 Volt AC 12 V DC Approximately
<b>SPECIFICATIONS</b>	Supply Voltage Diameter Range Reset Facility Memory Retention Enclosure Material Operating Temp. Relative Humidity	230V AC, ±10%, 50Hz 0 - 9999.99 mm Auto Reset / By Front Keypad & Back Reset Memory retention for power failure Polycarbonate + ABS Plastic 0°C 55°C Upto 95% RH Non Condensing

**Working :**

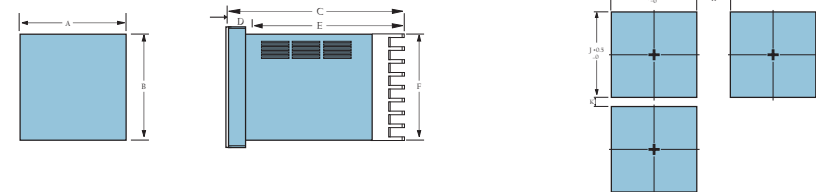
- 1). The proximity switch give pulse to counter everytime the metal on the roller is sensed.
- 2). Length of Material ( in meter ) for one revolution = 3.14 X Diameter (mm)
- 3). Total length = { 3.14 X Diameter (mm) X Number of Revolutions } / 1000
- 4). Total Meters/Minute = {3.14 X Diameter (mm) X RPM} / 1000

**Note :**

- 1). When pulse comes from sensor, upper display indicates increment in "Total Length" in Meter Lower Display indicates "Speed" in Meter/Min.
- 2). For Manual Mode, set time = 00.0 sec & For Auto Reset Mode, set time = 00.1 to 99.9 sec.
- 3). In RUN mode, if we press SHIFT key then upper display shows Batch Count.
- 4). When Total Length = Set Length, relay-1 energise. Relay-1 remains ON for Auto Reset Time Relay turns off after completion of time. If time is set at 00.0 sec. then relay remains ON until RST key is pressed.
- 5). If there is a power failure the last readings stored in the memory and Counter starts resume counting from the last stored value, when ON.
- 6). To restart Totalizing or to Reset press RST key. Upper display will show 00000.0 and the counting will restart.

**MOUNTING**

The controller can be mounted on either a vertical or tilted panel using the mounting bracket supplied. Adequate access space must be available at the back of the panel for installation and servicing activities. Overall dimensions and panel cutout requirements for mounting the controller are shown in Figure



Size	A	B	C	D	E	F	G	H(Min)	J	K(Min)
(96*96)	100	100	45	3	42	90	92	25	92	25
(72*72)	72	72	62	3	59	65	66	25	66	25
(48*48)	50	50	100	3	97	43	44	25	44	25
(48*96)	96	51	73	3	70	86	88	25	44	25