

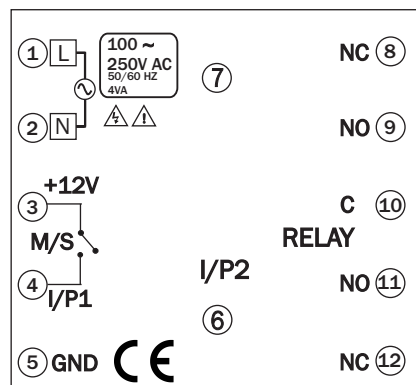
### Technical Specification

Model	LC
Display	<b>UPPER:-</b> 5 Digit 7 seg 0.4" red LED Display <b>LOWER:-</b> 4 Digit 7 seg 0.4",green LED Display
Size(HXWXD)	48 X 48 X 95 mm
Panel Cutout	44 X 44 mm
Sensor	Proximity NPN/PNP & Micro Switch
Output	1 Relay, 2C/O,230V AC,5A
Reset	At front
Power Supply	100 To 250V AC, 50/60 Hz, Approx 4VA
Memory	Nonvolatile
Protection Level (As per request)	IP-65(Front side) AS per IS/IEC 60529:2001
Operating Temperature	0° C To 55° C
Relative Humidity	Up to 95% RH Non Condensing

### Note




- 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

### Connection Diagram





## Procedure to Program the Length Counter

### Key Operation


- 1) Press  Key to go next parameter.
- 2) Release the  Key, to save the set point.
- 3) Press  Key for manual reset of total length


1 2 3 4 5  
1 2 3.4  
Total Length in Mtr.  
Speed in Mtr/Min.

Press  key

9 9 9 9 9  
5 9 6  
Set Length value by pressing  &  key

### set LENGTH

 : SHIFT key to go to next digit for changing value of the digit.


 : UP key increases value of individual digit

Range: 0000.1 to 9999.9 mtr

Press  key

9 9 9 . 9 9  
d i A  
Set Diameter value by pressing  &  key



### set DIAMETER

 : SHIFT key to go to next digit for changing value of the digit.


 : UP key increases value of individual digit

Range: 000.01 to 999.99 mm

Press  key

9 9 . 9  
t i i E  
Set time value by pressing  &  key

### set TIME


 : SHIFT key to go to next digit for changing value of the digit.

 : UP key increases value of individual digit

Range: 00.1 to 99.9 sec.


Press  key

For 5 To 7 Sec

i i E d i U i i  
P U L S E  
Set SPEED Selection by pressing  key  
Slow (Max. RPM 500)  
Medium (Max. RPM 5000)  
Fast (Max. RPM 15000)




### set SPEED

### set DECIMAL POINT

0 0 0 0 0 0  
d P  
Set Decimal point by pressing  key  
Range: 000.00, 0000.0 & 00000

Press  key to save & exit

## Working

- 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  key then upper display shows Batch Count.
- 4). When Total Length = Set Length, Relay will energize Relay 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  key is pressed.
- 5). If there is a power failure the last reading is stored in the memory and Counter starts resume counting from the last stored value, when power ON.
- 6). To restart Totalizing or to Reset press  key. Upper display will show 0000.0 and the counting will restart.

## Safety Precautions

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment .

=> Read complete instructions prior to installation and operation of the unit.

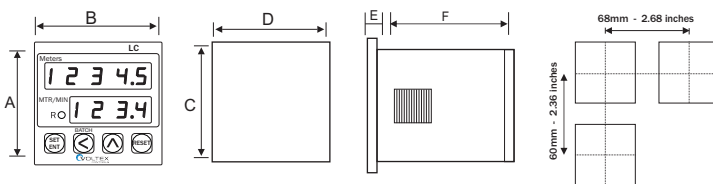


**WARNING** : Risk of electric shock.

## Warning Guidelines

- 1) To prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
- 2) To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
- 3) Cable used for connection to power source, must have a cross section of 1mm<sup>2</sup> or greater. These wires should have insulations capacity made of at least 1.5kV.
- 4) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

## Mechanical Installation



MODEL	A	B	C	D	E	F
DIMENSIONS	48mm	48mm	44mm	44mm	3mm	95mm

- 1) Prepare the panel cutout with proper dimensions as show above.
- 2) Fit the unit into the panel with the help of clamp given.
- 3) The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oils steam, or other unwanted process by products.
- 4) Use the specified size of crimp terminal (M3.5 screws) to wire the terminal block. Tightening the screws on the terminal block using the tightening torque of the range of 1.2 N.m.
- 5) Do not connect anything to unused terminals.