



# Product Manual

## Jumbo Display

LC 9004



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# Technical Specification



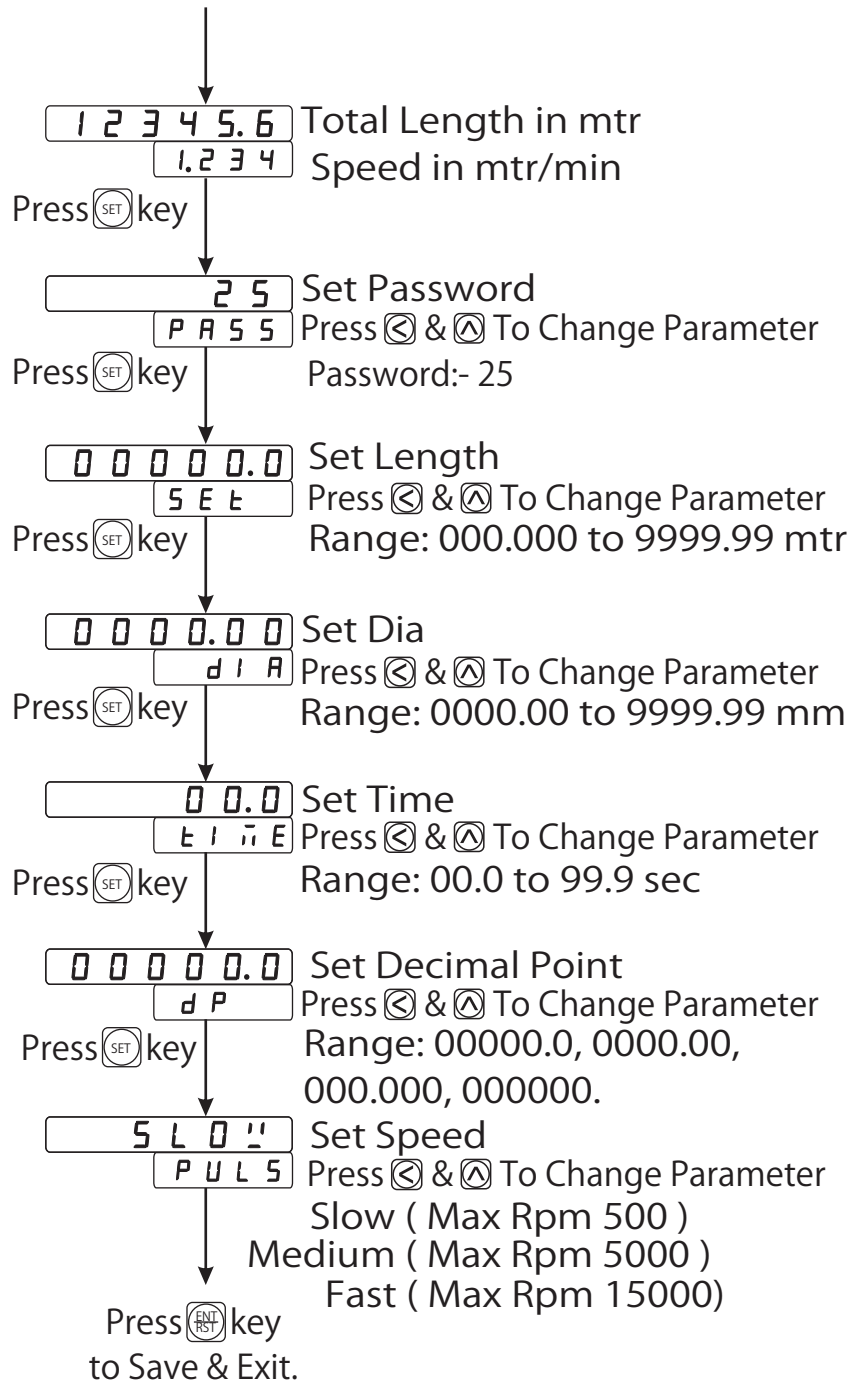
<b>Model</b>	LC-9004 Micro controller based, Single display
<b>Display</b>	Upper 6 Digit 7 Segment LED Display 2.25" inch in red colour Upper 4 Digit 7 Segment LED Display 2.25" inch in green colour
<b>Size</b>	160(H) X 375(W) X 50(D)mm
<b>Input</b>	Proximity NPN/PNP Selectable
<b>Output</b>	1 Relay 1C/O 230V AC, 5A
<b>Power Supply</b>	100 To 270V AC,50/60 Hz, Approx 7VA
<b>Reset</b>	Front & Back
<b>Protection Level (As per request)</b>	IP-65(Front side) AS per IS/IEC 60529:2001

## Parameter

<b>FUNCTION</b>	<b>DISPLAYS</b>	<b>RANGE</b>
Password	PASS	25 Fix
Set Length	SEt	0 to 999999 MTR
Set Diameter	dI R	0-9999.99 mm
Set Time	tI nE	00.0 to 99.9 Sec
Decimal Point	dP	00000.0, 0000.00, 000.000, 000000.
Set Speed	PUL SE	(Slow : Max , RPM 500) (Medium : Max, RPM 5000) (Fast : Max, RPM 15000)

# Procedure to program




## Power On Instrument



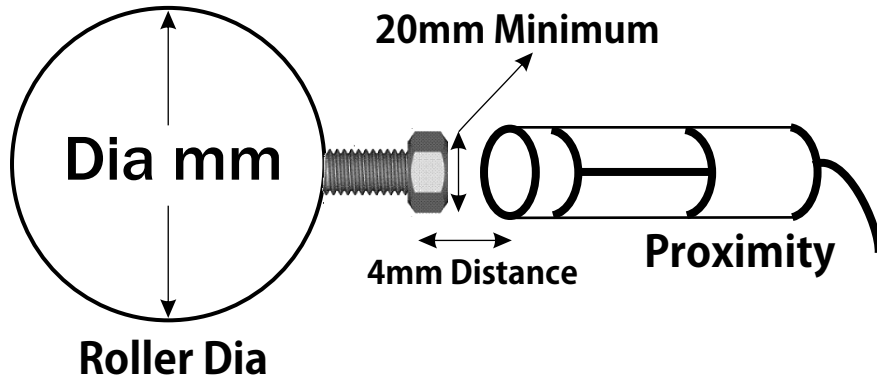
## Note

- 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 =  $3.14 \times \text{Diameter (mm)}$
- 3). Total length =  $\{ 3.14 \times \text{Diameter (mm)} \times \text{Number of Revolutions} \} / 1000$
- 4). Total Meters/Minute =  $\{ 3.14 \times \text{Diameter (mm)} \times \text{RPM} \} / 1000$

## 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-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  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 instrument is turned ON.
- 6). To restart Totalizing or to Reset press  key. Upper display will show 00000.0 and the counting will restart.

## Proxy Aligement



## Note:

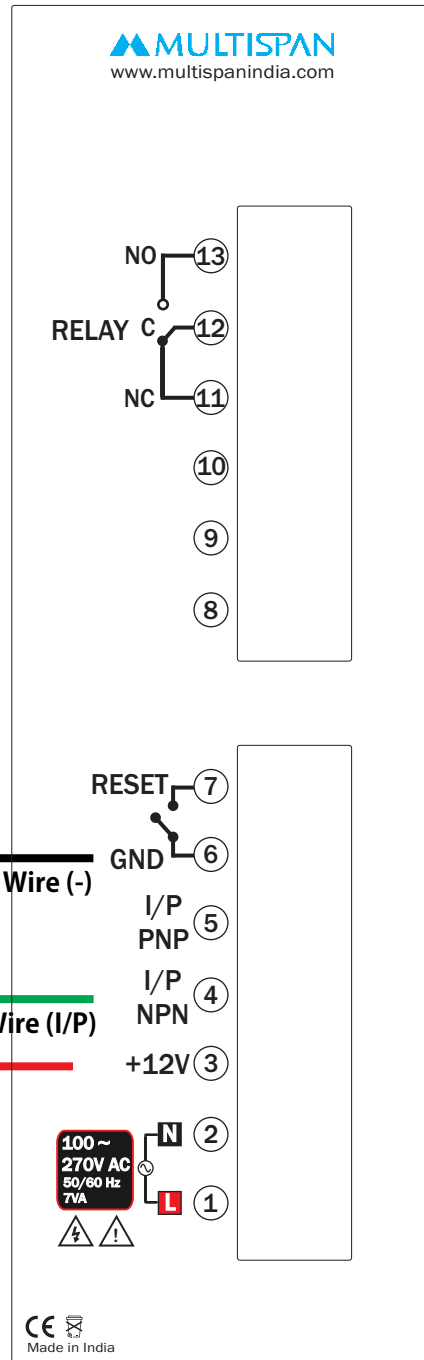
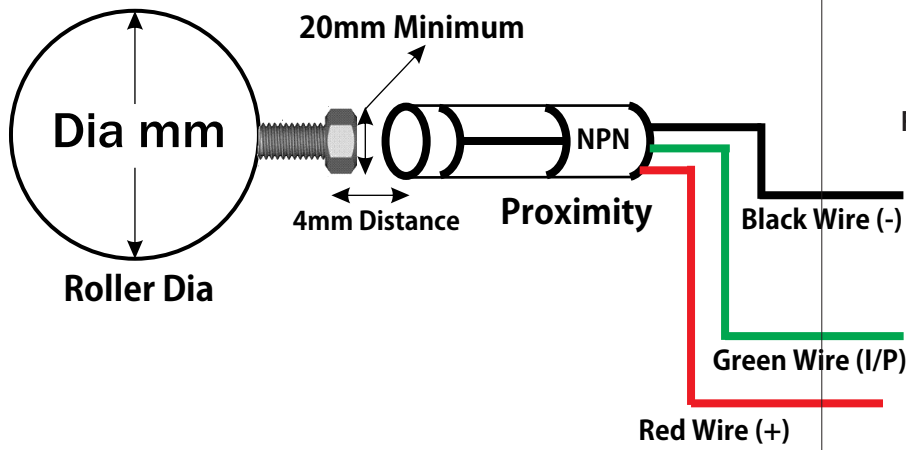
- 1). Please consult support engineers for sensing area size for proxy to sense.
- 2). Please ensure proper sensing area size before installing proxy sensor in your equipment.
- 3). Sensing area must be equal or more than the proxy head size.

## Proxy Color Code

<b>+12V</b>	<b>I/P</b>	<b>GND</b>
Red	Green	Black
Brown	Black	Blue

# Connection Diagram

**Note:**  
Micro Switch:  
M/S Connection 4 & 6



# Test Certificate

Product : Length Counter

Model No.: LC-9004

Input: PROXIMITY NPN/PNP

Range : 0-999999 MTR

Output: 1R1C/O

Supply: 100 to 270V AC, 50/60Hz, APPROX 7VA

Accuracy: 1% of FSD

Accuracy :  $\pm 1\%$  Of FSD

Calibrator Used : Pulse Generator

Calibrator Sr. No. : PG-5



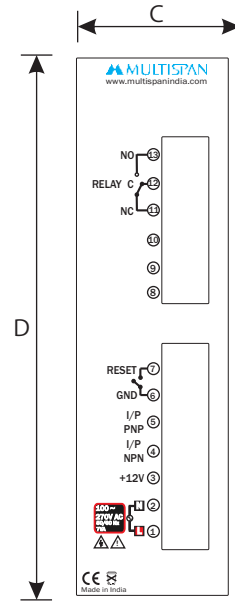
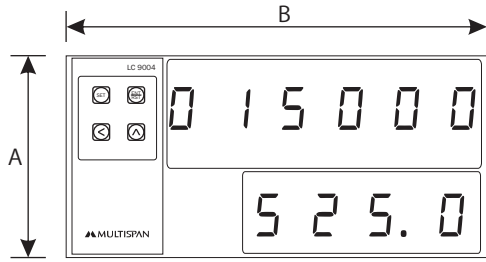
Q.A. Engineer

## WARRANTY

Multispan Warrants that the product supplied here under this Test Certificate is guranteed against our design, our manufacturing and our workmanship defects for a time period of 12 Months from the date of product dispatch from our permises.

Multispan undertakes the responsibility to replace/repair the faulty product at our company premises free of cost. The manufacturing liability is limited to the value of goods supplied. Hereby, the manufacturer will take no responsibilities for whatsoever any consequential damages claimed by the customer whatsoever. This warranty certificate is required to be produced for obtaining any repair or replacement service from the Manufacturer. The Manufacturer reserve right to determine the reason for Defect/Damage, before providing service.

# Mechanical Installation



MODEL	A	B	C	D
DIMENSIONS	160mm	375mm	50mm	160mm

- 1) 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.
- 2) Do not connect anything to unused terminals.



**Note**

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## Note

Product improvement and upgrade is a constant procedure. So for more updated operating information and Support, Please contact our Helping: +91-9081078681/83 or Email at [service@multispanindia.com](mailto:service@multispanindia.com) Ver: 1908