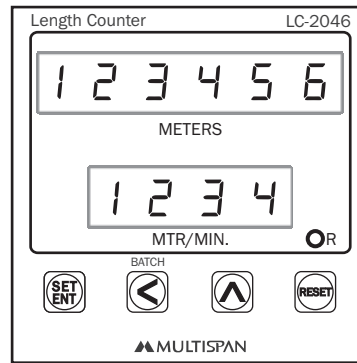
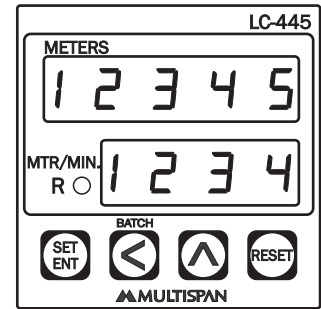


LC - 1046



LC - 2046



LC - 445

Technical Specification

Description	LC - 1046	LC - 2046	LC - 445
Dimension	96 X 96 X 50 mm	72 X 72 X 60 mm	48 X 48 X 90 mm
Panel Cutout	92 X 92 mm	68 X 68 mm	44 X 44 mm
Display	Upper: 6 digit, 0.56", 7 segment, Red LED	Upper: 6 digit, 0.4", 7 segment, Red LED	Upper: 5 digit, 0.3", 7 segment, Red LED
	Lower: 4 digit, 0.4", 7 segment, Green LED	Lower: 4 digit, 0.3", 7 segment, Green LED	
Output	1 relay, 1 C/O, 230V AC, 5A		1 relay, 2 C/O, 230V AC, 5A
Supply	230V AC, 50 Hz		110V to 250V AC, 50 Hz smps
Sensor	Proximity PNP / NPN		Proximity NPN/PNP (Factory Set)
Memory	Power Failure Facility		

Principle

- 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 = $\{ 3.14 \times \text{Diameter (mm)} \times \text{RPM} \} / 1000$

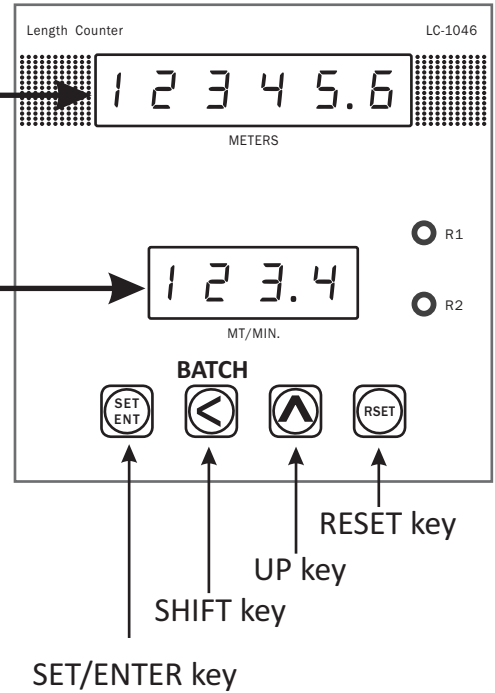
Note

- 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 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 RST key. Upper display will show 00000.0 and the counting will restart.

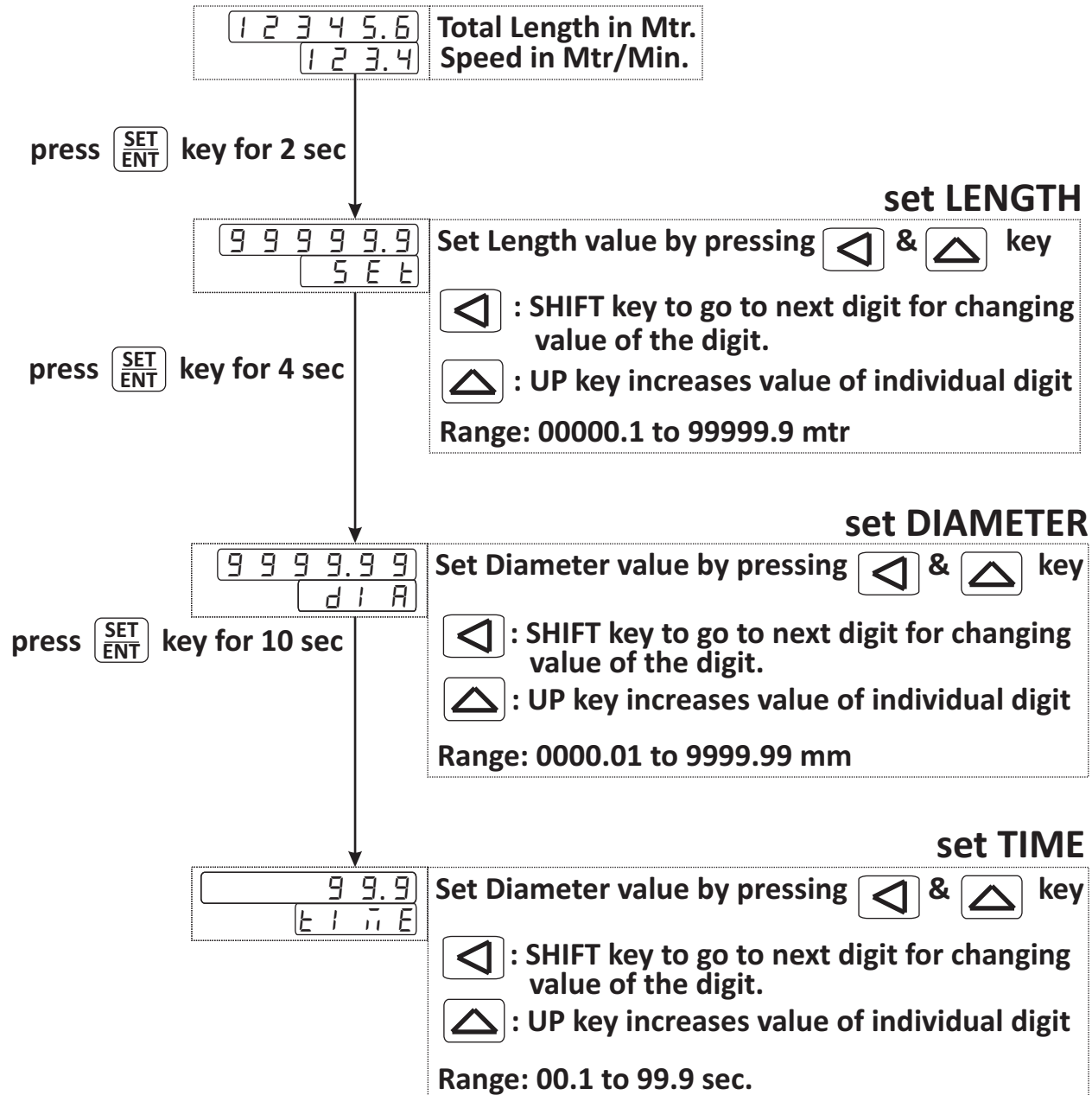
Front Panel Description

During RUN MODE: shows Total Length in Meters
 During RUN MODE: on pressing SHIFT key shows Batch Count
 During Length Set Mode: shows Set Length in Meters
 During Diameter Set Mode: shows Diameter in Milimeter
 During Time Set Mode: shows Set Time in Seconds

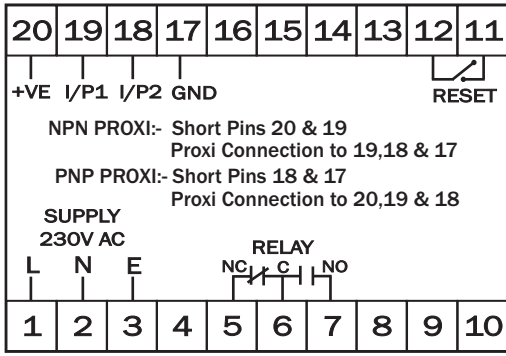
During RUN MODE: shows Speed in Meters/min.
 During RUN MODE: on pressing SHIFT key shows *b A t C*
 During Length Set Mode: shows *S E t*
 During Diameter Set Mode: shows *d i A*
 During Time Set Mode: shows *t i i E*



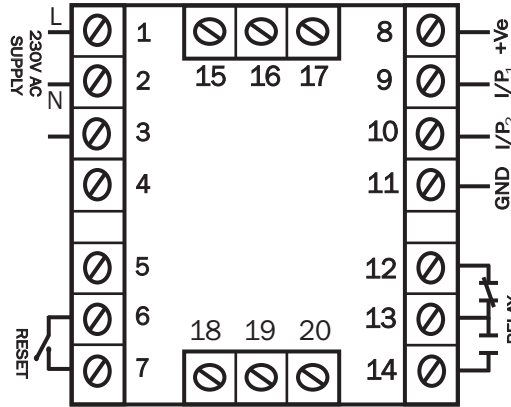
Procedure to Program the Length Counter



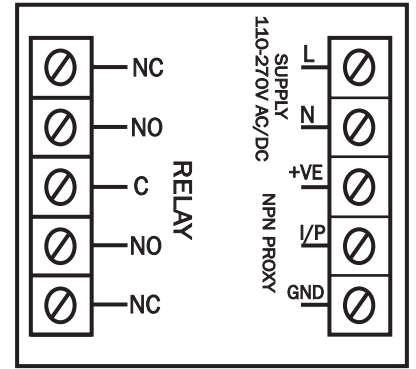
CONNECTION TERMINAL DIAGRAM



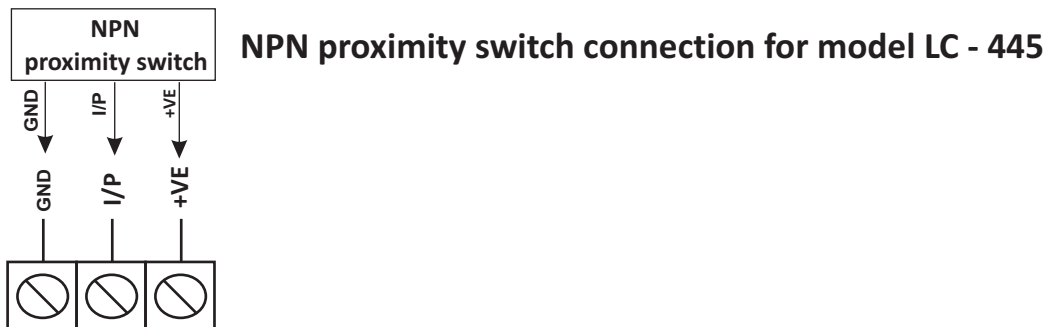
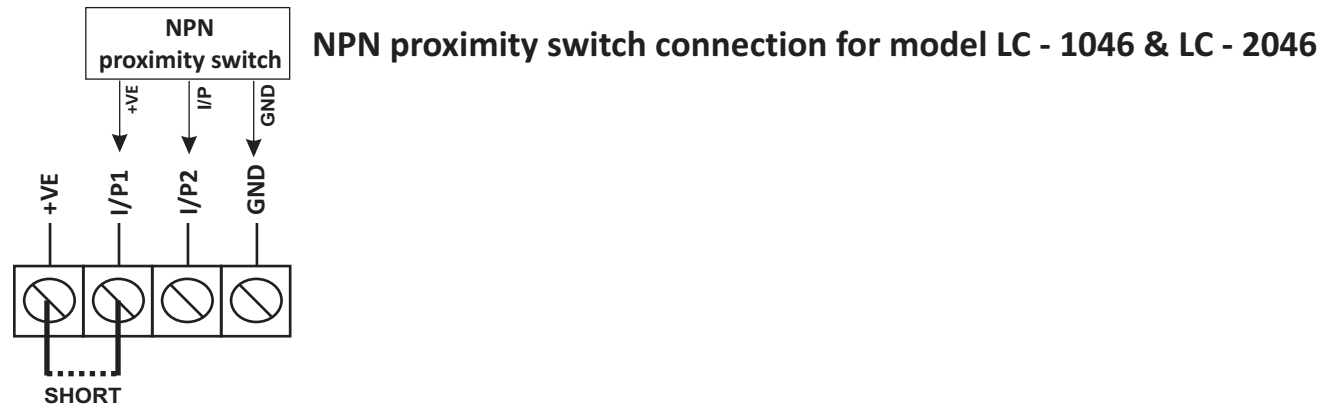
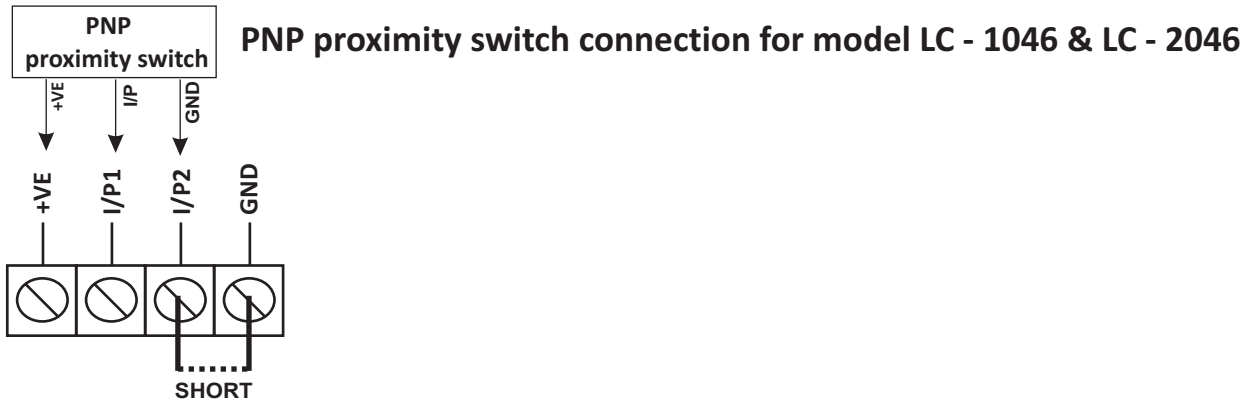
LC - 1046



LC - 2046



LC - 445



NOTES: