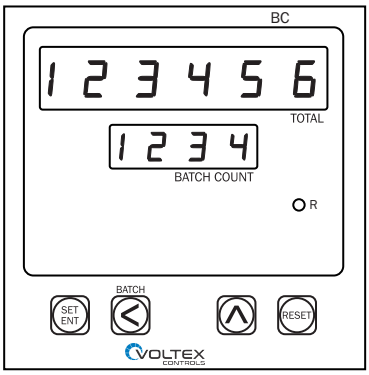
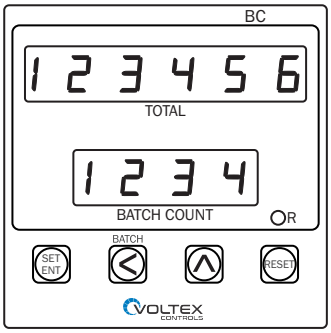
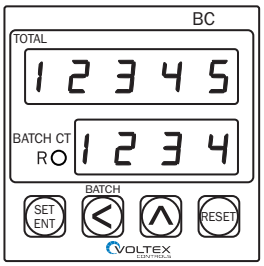
OPERATING MANUAL
BATCH COUNTER
BC



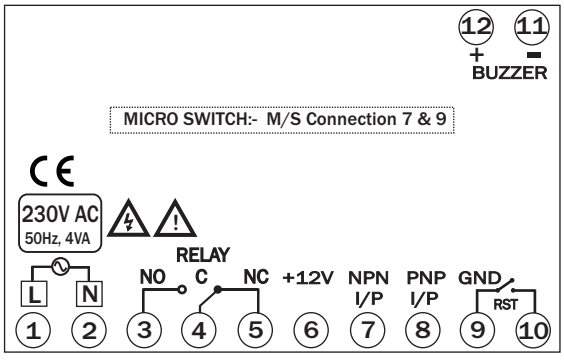


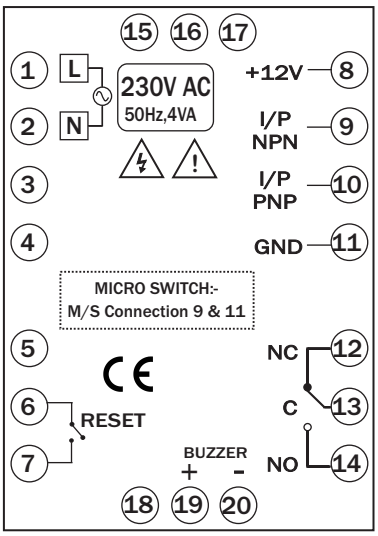


Technical Specification

Model	BC	BC	BC
Display	**UPPER**:- 6 Digit 7 seg 0.56", red LED Display **LOWER**:- 4 Digit 7 seg 0.4", green LED Display	**UPPER**:- 6 Digit 7 seg 0.4", red LED Display **LOWER**:- 4 Digit 7 seg 0.4", green LED Display	**UPPER**:- 5 Digit 7 seg 0.3", red LED Display **LOWER**:- 4 Digit 7 seg 0.3", green LED Display
Size(HXWXD)	96 X 96 X 45 mm	72 X 72 X 60 mm	48 X 48 X 95 mm
Panel Cutout	92 X 92 mm	68 X 68 mm	44 X 44 mm
Output	1 Relay, 1C/0,230V AC,5A & Buzzer		1 Relay, 2C/0,230V AC,5A & Buzzer
Power Supply	230V AC, 50 Hz, Approx 4VA		100 To 250V AC, 50/60 Hz, Approx 4VA
Sensor	Proximity PNP/NPN (Selectable) & Micro Switch		
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		

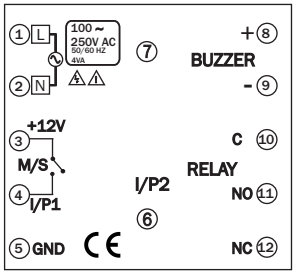
Connection Diagram





Note:

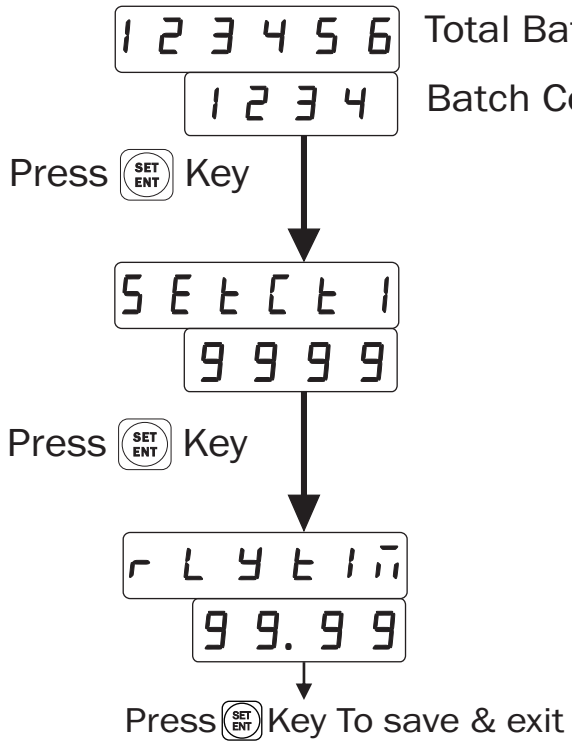
1. For NPN Proxi Short pin 3 & 4 Proxi Connction to 4,6,5
2. For PNP Proxi Short pin 6 & 5 Proxi Connction to 3,4,5
3. For Microswitch Short pin 6 & 5 Micro switch Connection to 3 & 4



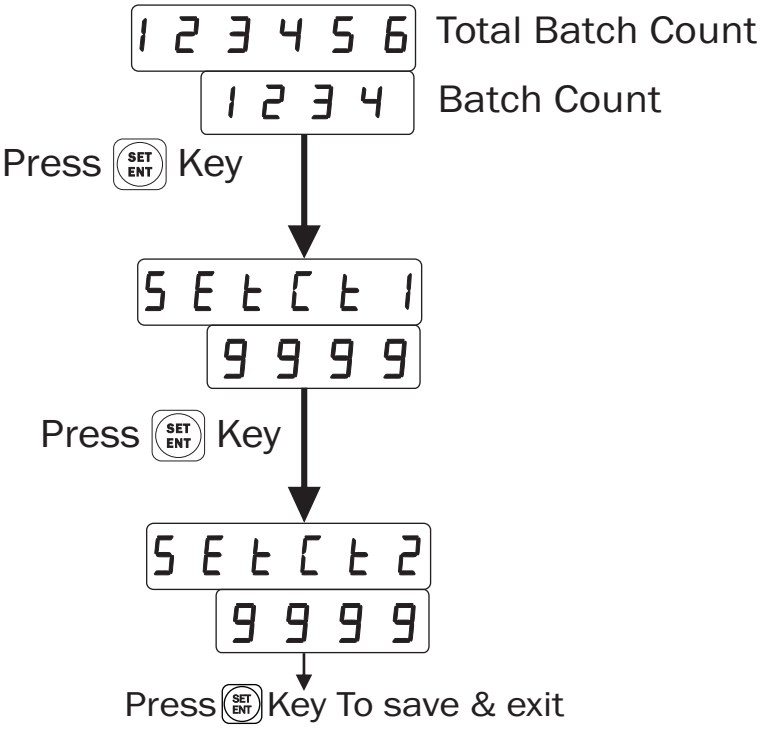
Key Operation

1) Press SET ENT Key to go next parameter.
2) Release the SET ENT Key, to save the set point.
3) Press RESET Key for manual reset of total count

For Program CH- 1 :



For Program CH-2 :



Working

CH-1

* When set Count reaches at set value ,Relay and Buzzer will be ON.
* Relay will stay on up to the set Time.
* After completion of the set Time - both ,Relay and Buzzer will be OFF.
* If the set time is 00.00 then Instrument will work in manual mode and user need to press Reset key to turn OFF Relay & Buzzer.

CH-2

Set Count - 1: Advance setting for batch Count.
Set Count - 2: Batch setting.

When it reaches to set count 1, Relay & Buzzer will be ON, & when it reaches to set count 2, Relay Buzzer will be OFF & Batch Count will be zero.

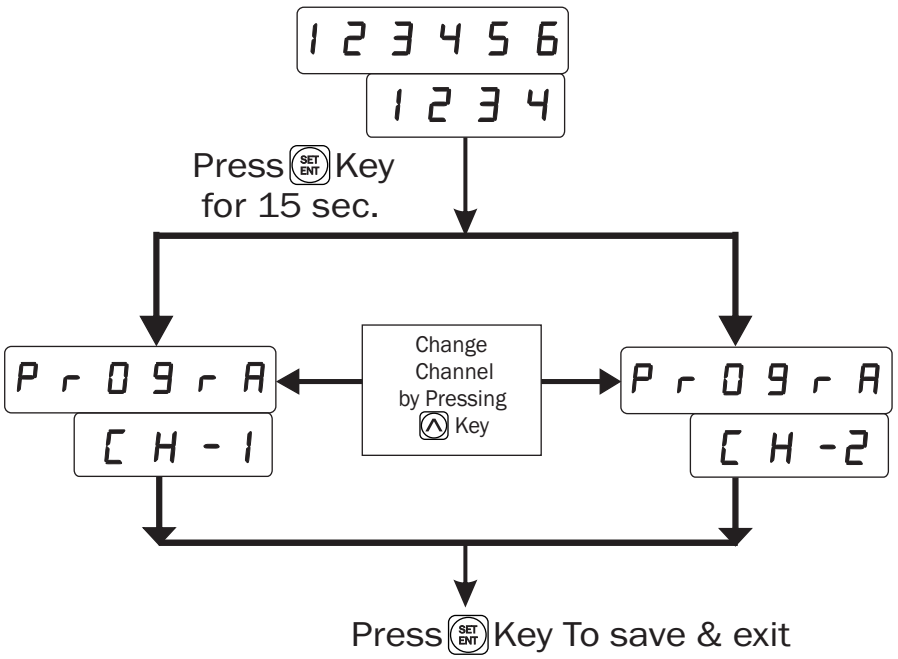
Always set the value of set 1 less then set 2.

Note:

Press (SET ENT) key and power on the instrument Display will show parameters 'SLOW'."MEDIUM" & "FAST"

SPEEd mdUm	Set Speed Selection by Pressing (^) key SLOW : MAX RPM 500 MEDIUM : MAX RPM 5000 FAST: MAX RPM 15000
Press (SET ENT) key to save the parameters	

Procedure to set channel of program



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 .

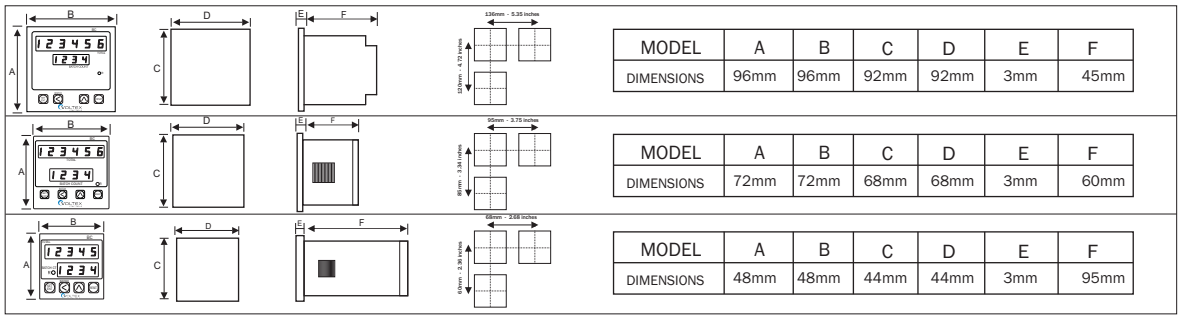
=> Read complete instructions prior to installation and operation of the unit.

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^2 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	96mm	96mm	92mm	92mm	3mm	45mm

MODEL	A	B	C	D	E	F
DIMENSIONS	72mm	72mm	68mm	68mm	3mm	60mm

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.

Product improvement and upgrade is a constant procedure. So for more updated operating information and support, contact our Helping : 70 46 319 319 or Email at voltexcontrols@gmail.com