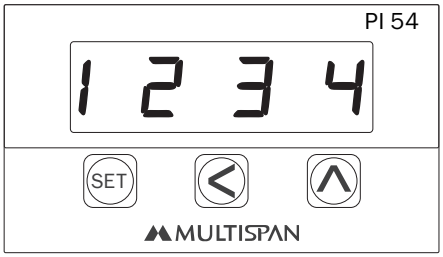
CE

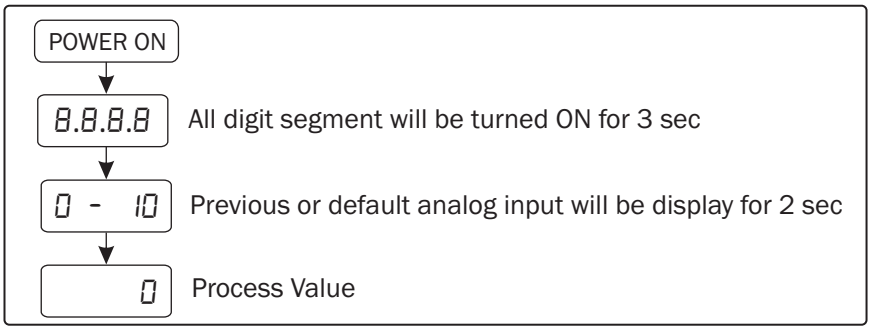


Technical Specification

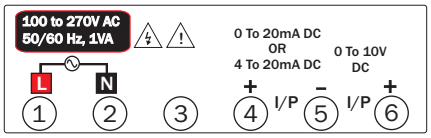
Model	PI-54
Display	4 Digit 7 seg 0.39",red LED Display
Size(HXWXD)	38 X 68 X 63 mm
Panel Cutout	31 X 54.5 mm
Input	0-10V DC, 0-20mA DC, 4-20mA DC
Range	-999 To 9999 Selectable
Power Supply	100 to 270V AC,50/60Hz,Approx 1VA
Protection Level (As per request)	IP-65(Front side) AS per IS/IEC 60529:2001
Operating Temperature	0°C To 55°C
Relative Humidity	Up to 95% RH Non Condensing

Note:

1) Auto-exit is for 25 sec. Menu exit without saving.
2) In use configuration, range will be(-999 to 9999),signal low level mode is for 4-20 mA DC input only (Range: 0.0-5.0 mA DC).
3) In user configuration menu reverse scaling of range will be possible.
4) Every time the instrument is turned ON, following pattern will be display.



Connection Diagram

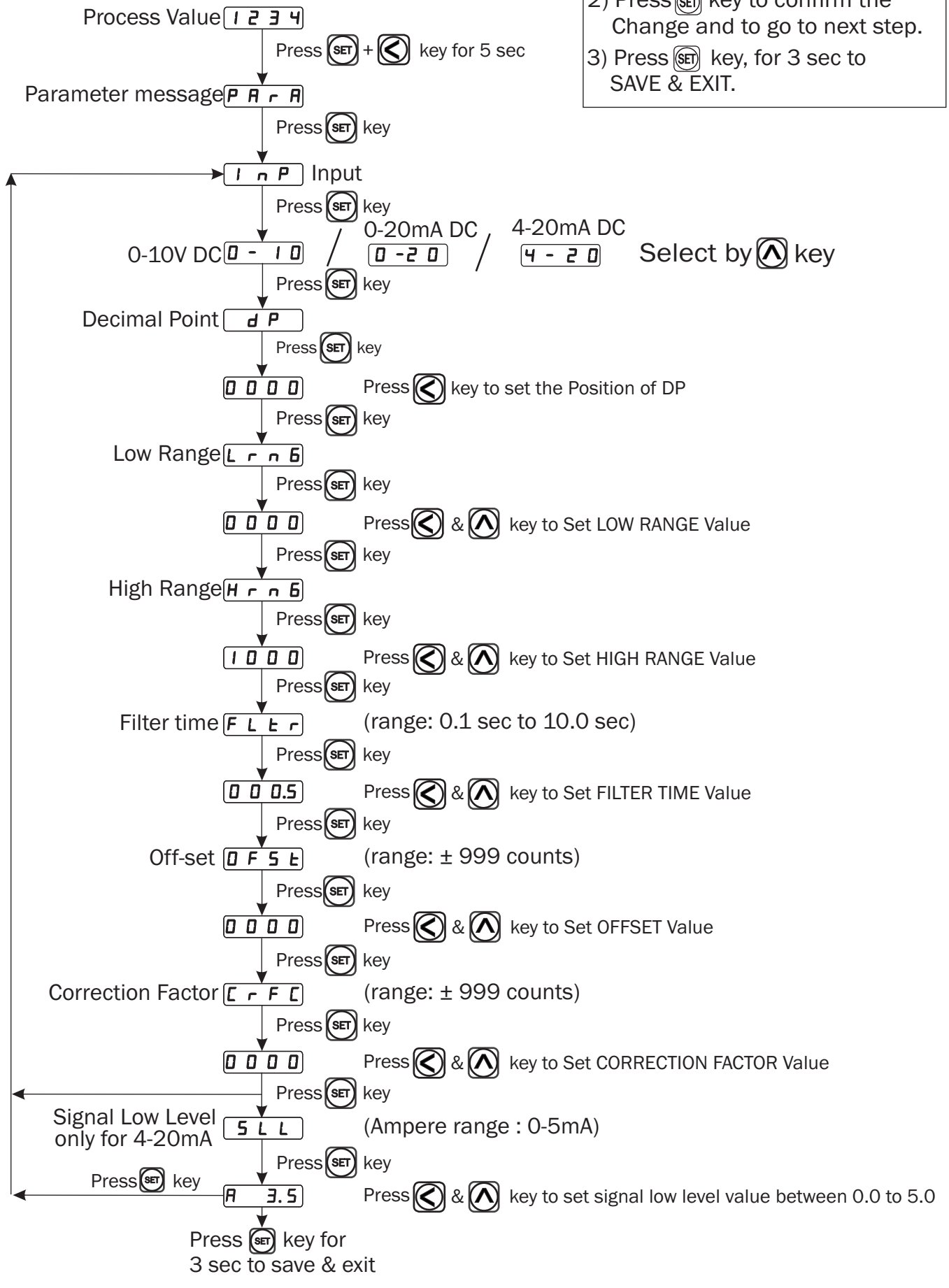


Range : -999 To 9999
Input : 0 To 10V DC
0 To 20mA DC
4 To 20mA DC
Supply : 100 to 270V AC, 50/60Hz,1VA

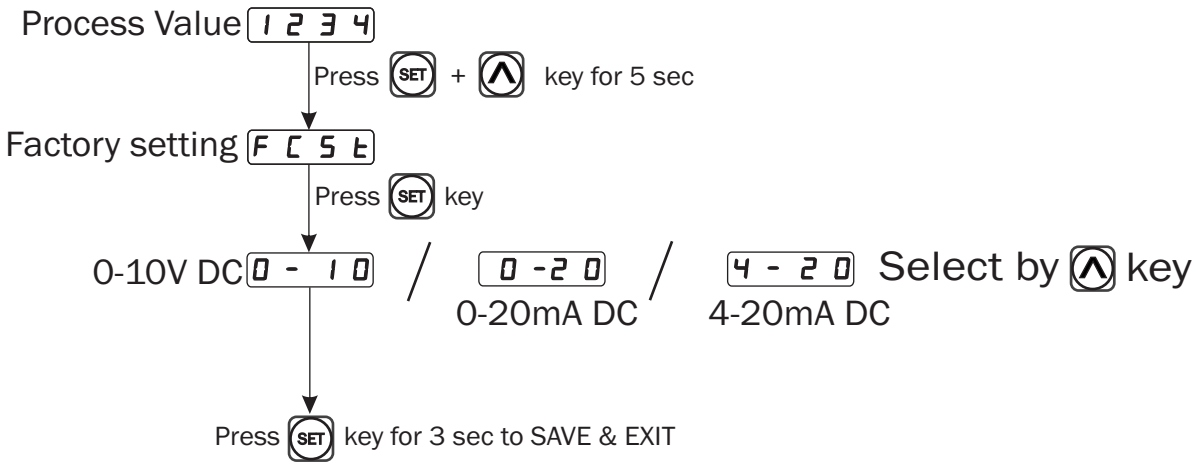
Basic Configuration

Key Operation

1) User configuration: Press SET + ◀ key together for 5 sec.
2) Press SET key to confirm the Change and to go to next step.
3) Press SET key, for 3 sec to SAVE & EXIT.



Factory Setting



Factory Parameter Setting

Parameter	0-10V DC	0-20mA DC	4-20mA DC
Low Range	0	0	0
High Range	1000	2000	2000
Decimal Point	0000	0000	0000
Filter Time	0.5 sec	0.5 sec	0.5sec
Off-set	0	0	0
Correction factor	0	0	0
Signal Low Level	-	-	3.5 mA

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.

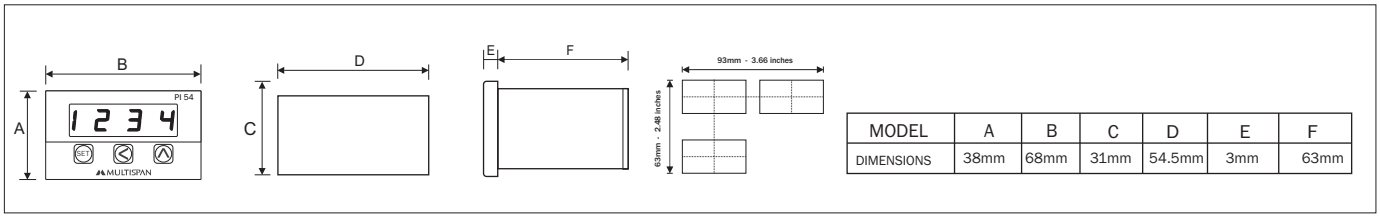
Warning Guidelines

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.

Installation Guidelines

1) This equipment, being built-in-type, normally becomes a part of main control panel and such in case the terminals do not remain accessible to the end user after installation and internal wiring.
2) Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
3) Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power 'ON' or 'OFF' function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.
4) Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

Mechanical Installation



MODEL	A	B	C	D	E	F
DIMENSIONS	38mm	68mm	31mm	54.5mm	3mm	63mm

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.

Maintenance

1) The equipment should be cleaned regularly to avoid blockage of ventilating parts.
2) Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
3) Fusible resistor must not be replaced by operator.