



TECHNICAL SPECIFICATION

FEATURES

Two in depend programmable alarm output
Selectable digital filter time : 0.0 to 10.0 Sec
Input range selectable : -999 to 9999
Programmable retransmission O/P (Optional)
Transmitter Power Supply (Optional)

INPUT SPECIFICATION

Input Types	Voltage: 0 to 10V DC Current: 0 to 20mA DC, 4 to 20mA DC
I/P Filter Time	0.1 Sec to 10.0 Sec
Resolution	Decimal point selectable: 0.1, 0.01, 0.001, 0001
Range	-999 to 9999 (For all I/P)
Indication Accuracy	±1% FSD ± 1 digit (FSD - Full Scale Deflection)

DISPLAY AND KEY

Display	4 digit, 7 segment, 0.56" RED LED
Keys	SET, INC, DEC, ENT

DIMENSION

Size	101 (H) x 101 (W) x 54 (D) mm
Panel Cutout	92 (H) x 92(W) mm

OUTPUT SPECIFICATION:

Relay Output	
Relay	1 nos.
Relay Type	1 C/O (NO-C-NC)
Rating	5A, 230V AC
Transmitter Supply	
24V DC	

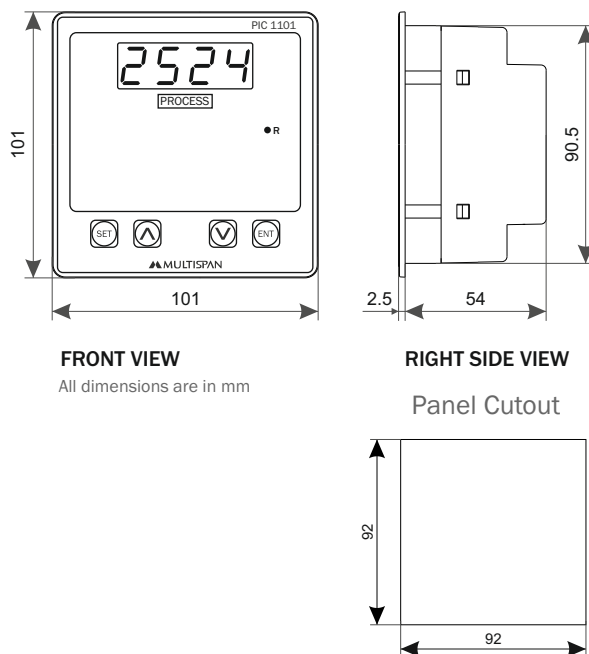
POWER SUPPLY

Supply Voltage	100 to 270V AC,50-60Hz
Power Consumption (VA Rating)	4VA @ 230V AC MAX

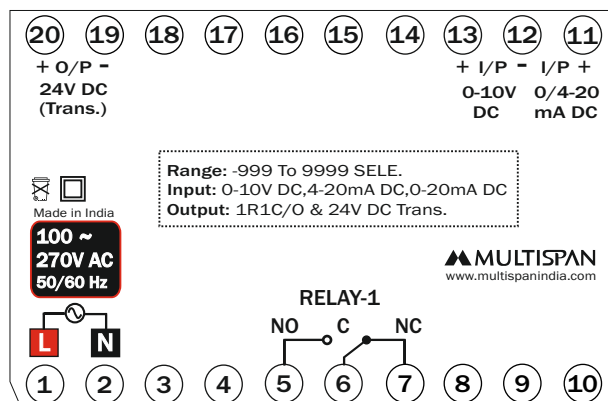
ENVIRONMENT CONDITION

Operating Temp.	0 °C to 55 °C
Relative Humidity	UP to 95% RH (non-condensing)
Protection Level (As per request)	IP-65 (Front side) As per IS/IEC 60529 : 2001

MECHANICAL INSTALLATION









TERMINAL CONNECTION



KEY OPERATION

PARAMETER SETTING MODE

To set parameter value	
To increment parameter value.	
To decrement parameter value.	
Set parameter to be save & exit.	
To go in factory setting mode	 +  Press 3 sec

INSTALLATION GUIDELINES

1. This equipment, being built-in-type, normally becomes a part of main control panel and in such 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 GUIDELINES

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 0.5 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.



SAFETY PRECAUTION

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



WARNING : Risk of electric shock.

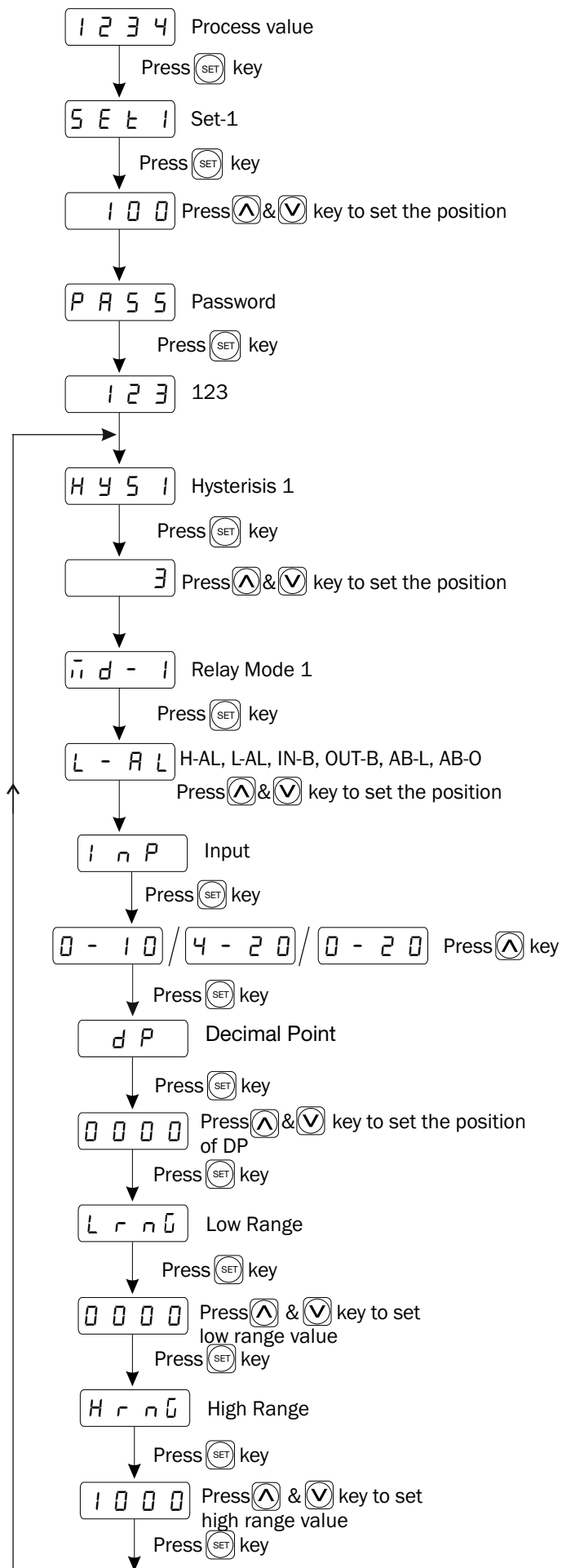
1. To prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
2. To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
3. Cable used for connection to power source, must have a cross section of 1mm 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.

ERROR DISPLAY

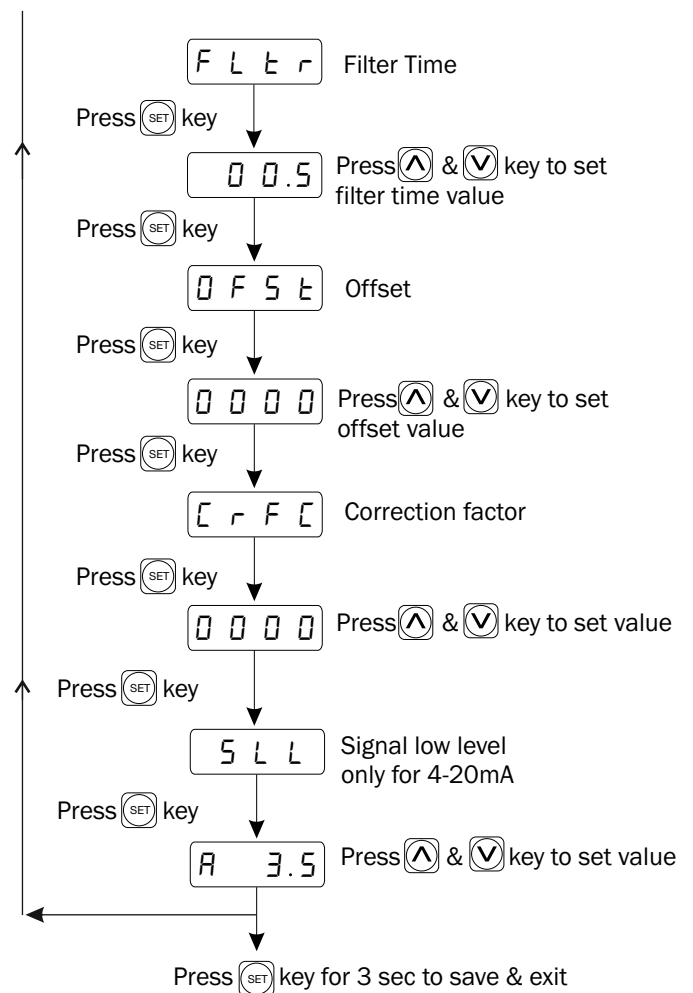
When an error has occurred the display indicates error codes as given below.

ERROR	MEANING
OVER	Over range Input applied 1) For 0 to 10V DC - exceed 10 V DC 2) For 0/4-20mA dc - exceed 20mA DC
LOW	When I/P is 4 to 20mA DC is selected, And if applied I/P signal is lower than selected signal low level (SLL) than this message will display.

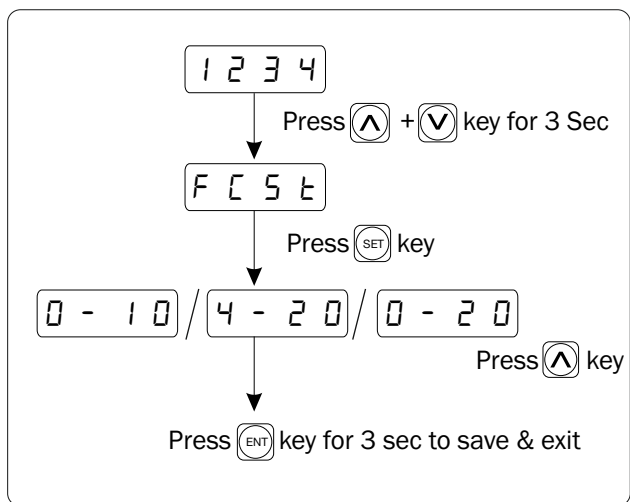
PARAMETER SETTING



To be continued



FACTORY SETTING



FACTORY 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	0.5 sec
OffSet	0	0	0
Correction factor	0	0	0
Signal Low Level	-	-	3.5mA

PARAMETER RANGE

Sr.	Parameter	Range
1	Low Range	-999 to 9999
2	High Range	-999 to 9999
3	Filter Time	00.1 to 10.0 sec
4	Off set	-999 to 999
5	Correction factor	-999 to 999
6	Signal Low Level	0.0 to 5.0mA