

Product Manuals for Jumbo Display Process Indicators:

PC-6004, PC-6006 & PIC-6004A



Product Manual

Jumbo Display

PC-6004

Technical Specification





Model No	PC-6004
Description	Micro controller based, Single display
Display	4 Digit 7 Segment 4" Red Led Display
Size	165(H) X 380(W) X 50(D)mm
Input	Proximity-NPN/ PNP & Micro Switch
Power Supply	100 To 270V AC, 50/60 Hz Approx 4 VA
Protection Level (As per request)	IP-65(Front side) AS per IS/IEC 60529:2001

Front Keys

- Give 100 to 250V AC supply to the instrument. Display will show the present Process value of Count.
- As the pulse from Proxi is coming the Display will show value of COUNT.

User Configuration

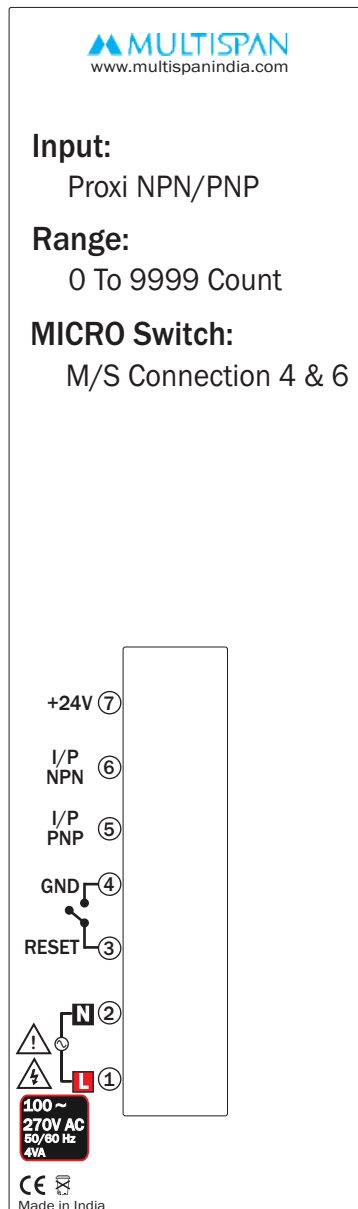
Press  key + Power On Instrument

 Very Slow, Slow, Medium, Fast

Change Speed Select  Key

To Save Parameter Power Off Instrument

Connection Diagram



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

+24V	I/P	GND
Red	Green	Black
Brown	Black	Blue

Test Certificate

Product : Count Totalizer

Model No.: PC 6004

Input: Proximity-NPN/PNP & Micro Switch

Range : 0-9999 Count

Supply: 100 To 270V AC, 50/60 Hz Approx 4 VA

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 guaranteed against our design, our manufacturing and our workmanship defects for a time period of 12 Months from the date of product dispatch from our premises.

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.

Safety Precautions

- 1) 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.
- 2) If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment.
- 3) Read complete instructions prior to installation and operation of the unit.

 Risk of electric shock,  Hazard Warning

Warning Guidelines

- 1) To prevent the risk of electric shock power supply to the equipment must be kept OFF while doing the wiring arrangement.
- 2) Do not touch the terminals while power is being supplied. To reduce electromagnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
- 3) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

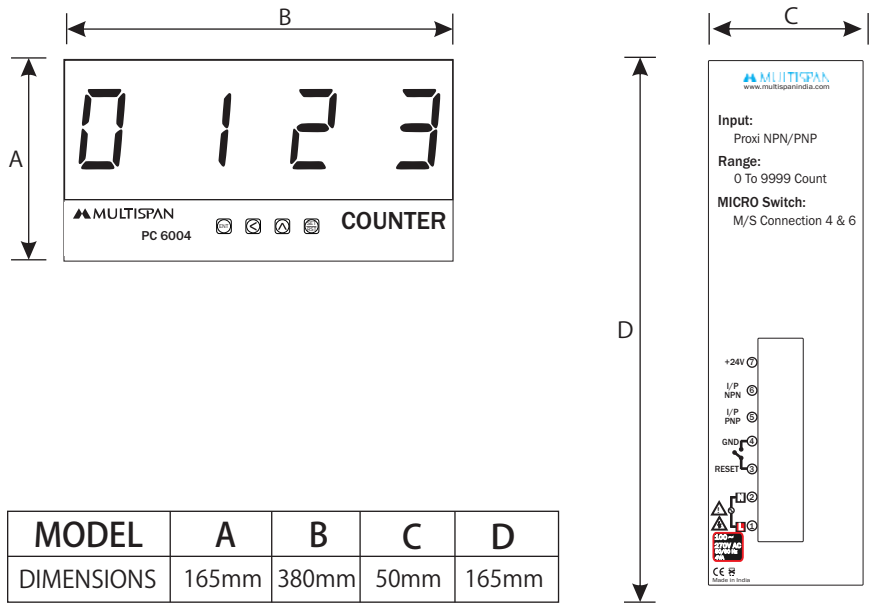
Installation Guidelines

- 1) 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.
- 2) Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.
- 3) Prior to the installation of this product, the installation instructions must be read and completely understood. Keep these installation instructions in an easily accessible location for future reference. Proper installation procedure by a qualified service technician must be followed, as outlined in these installation instructions. Failure to do so could result in property damage, serious personal injury, or even death.
- 4) Safety measures must be practiced at all times during the assembly of this product.
- 5) Use proper safety equipment and tools for the assembly procedure to prevent personal injury. Be aware of the mounting environment.
- 6) If drilling and/or cutting into the mounting surface, always make sure that there are no electrical wires in wall.
- 7) Cutting or drilling into an electrical line may cause serious personal injury.
- 8) Make sure there are no water or natural gas lines inside the wall where the mount is to be located.
- 9) Cutting or drilling into a water or gas line may cause severe property damage or personal injury.
- 10) Do not install near sources of high heat. Do not install on a structure that is prone to vibration, movement or chance of impact.

Maintenance

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

Mechanical Installation



- 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.

Product Manual

Jumbo Display

PC 6006

Technical Specification



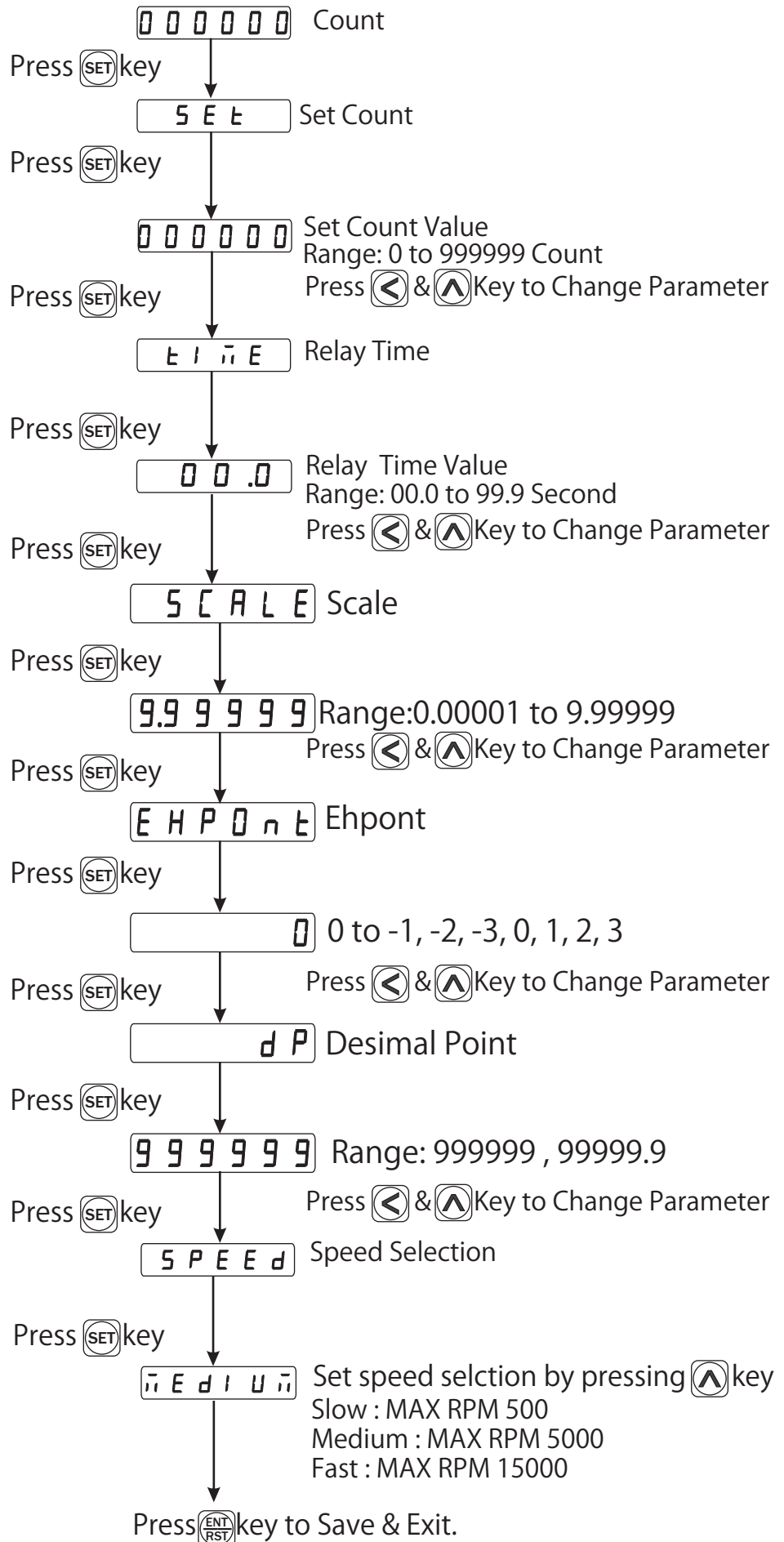
Model	PC-6006 Micro Controller Based, Single Side Display
Display	6 Digit 7 Segment LED Display 4" in red color
Size	165(H) X 570(W) X 50(D)mm
Input	Proximity-NPN/PNP & Micro Switch
Output	1R1C/0,230V AC,5A
Power Supply	100 TO 270V AC,50/60Hz,Approx 5VA
Reset	Front and back side

Working

- 1). When pulse comes from sensor, Display indicates 'COUNT' in instrument.
- 2). For Manual Mode, set time = 00.0 sec. and for Auto Reset Mode, set time = 00.1 to 99.9 sec.
- 3). When process value = Set point, Relay energise. Relay remains ON for Auto Reset Time.If time is set at 00.0 sec. then relay remains ON until RST key is pressed.
- 4). 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.
- 5). To restart Counting or to Reset press RST key. Display will show 000000 and the counting will restart.

Control Parameter

Power On Instrument



Test Certificate

Product : Count Totalizer

Model No.: PC-6006

Input: Proximity-NPN/PNP & Micro Switch

Output : 1R1C/0, 230V AC, 5A

Supply: 100 TO 270V AC, 50/60Hz, Approx 5VA

Accuracy : $\pm 1\%$ Of FSD

Calibrator Used : Pulse Generator

Calibrator Sr. No. : PG-5



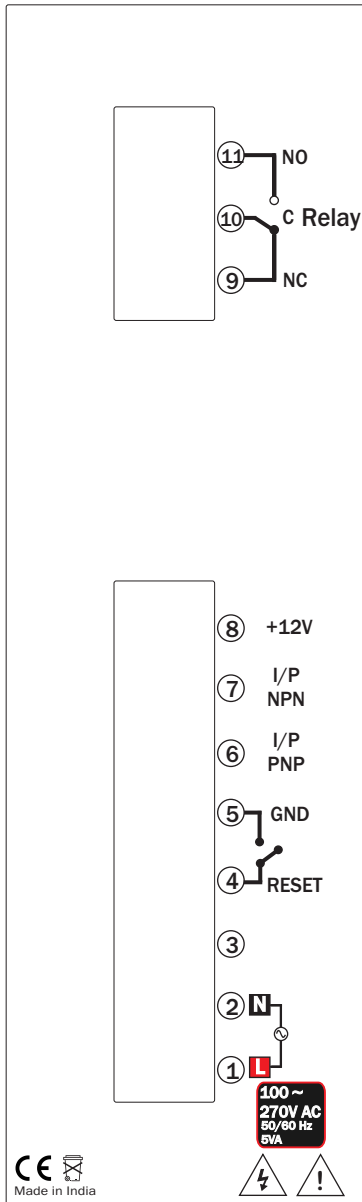
Q.A. Engineer

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Connection Diagram



MULTISPAN
www.multispanindia.com

Input:
Proxi NPN/PNP

Range:
0 To 999999 Count

Micro Switch:
M/S Connection 5 & 7

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

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

Safety Precautions

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 Risk of electric shock,  Hazard Warning

Warning Guidelines

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- 3) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

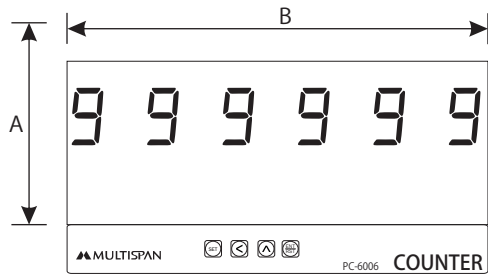
Installation Guidelines

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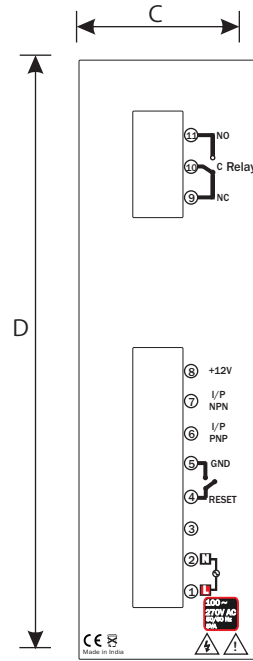
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Mechanical Installation



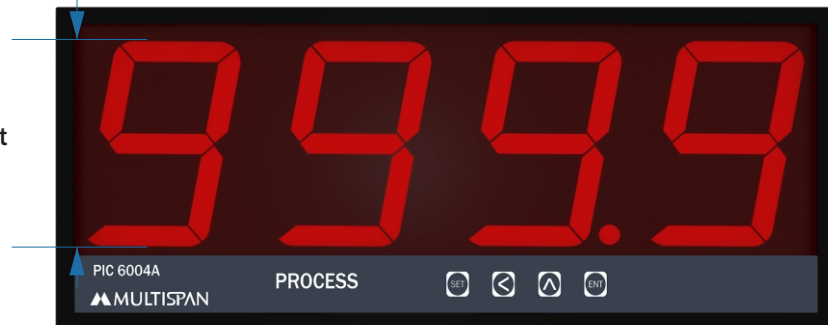
MODEL	A	B	C	D
DIMENSIONS	165mm	570mm	50mm	165mm



- 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.

4" Jumbo Display

4" Digit Height



- Available in Single Side/Double Side Display
- Available with White & Black Encloser

FEATURES

- 4" bright 4 digit 7 segment display
- Universal Analog Input (mA : 4-20mA DC , 0-20mA DC) (V : 0 - 10V DC)
- Compact design
- Accuracy ±1% Of FSD

APPLICATION

- Monitoring of process parameters with digital display Pressure/Level/Flow
- Measurement of process parameter of PH,O2 (Oxygen),CO (Carbon Monoxide), PH,etc.
- Measurement of RPM from VFD Use of analog signal.
- Remote Process Supervision

Technical Specification

INPUT SPECIFICATION:

	Input	Range
Input Types	0-10V DC	-999 to 9999
	0-20mA DC	-999 to 9999
	4-20mA DC	-999 to 9999
Resolution	0-10V DC,0-20mA DC,4-20mA DC = 0.1,0.01,0.001,0001	
Indication Accuracy	±1% of FSD (FSD:- full scale deflection)	

DISPLAY :

Display	4", 4 digit, 7 segment Red display
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DIMENSION:

Size	Single Side	162 (H) x 377 (W) x 49 (D) mm
	Dual Side	162 (H) x 377 (W) x 72 (D) mm

AUXILIARY SUPPLY

Supply voltage	100 to 270V AC, 50-60Hz
Power Consumption	4 VA (Single side) 7 VA (Dual Side)

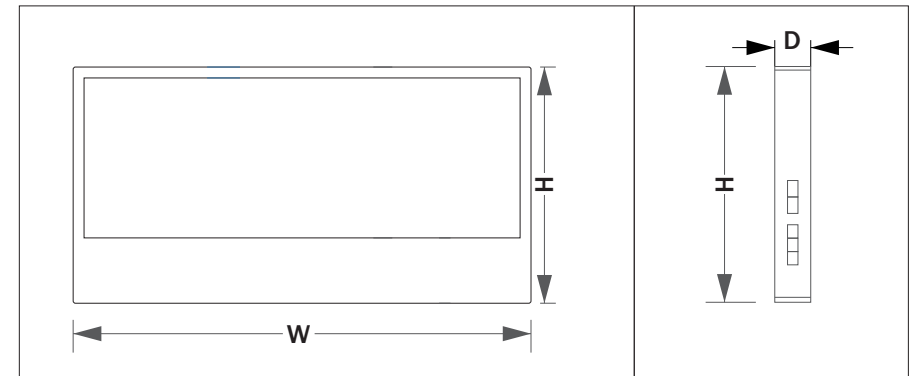
ENVIRONMENT CONDITION

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

Mechanical Dimension

Front View

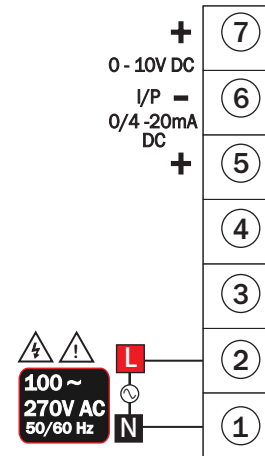
Side View



Single side	162mm (H)	377mm (W)	49mm (D)
Dual side	162mm (H)	377mm (W)	72mm (D)

Mounting Method : Wall Mounting

Terminal Connection

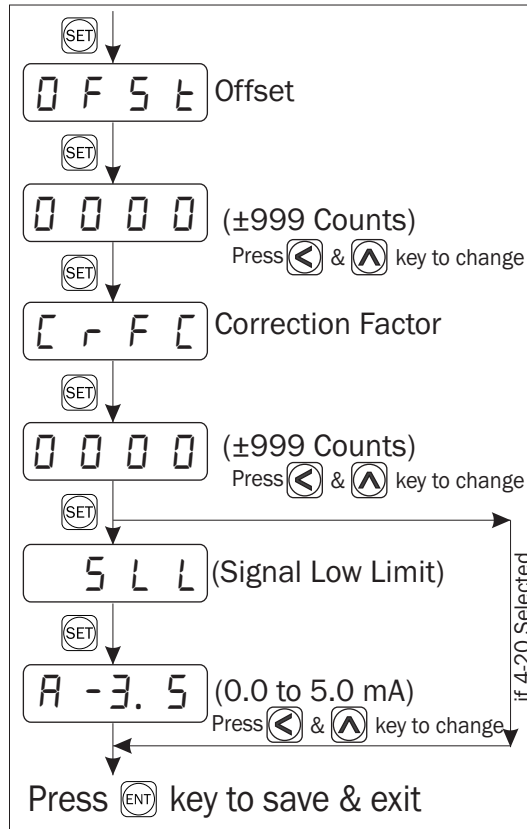
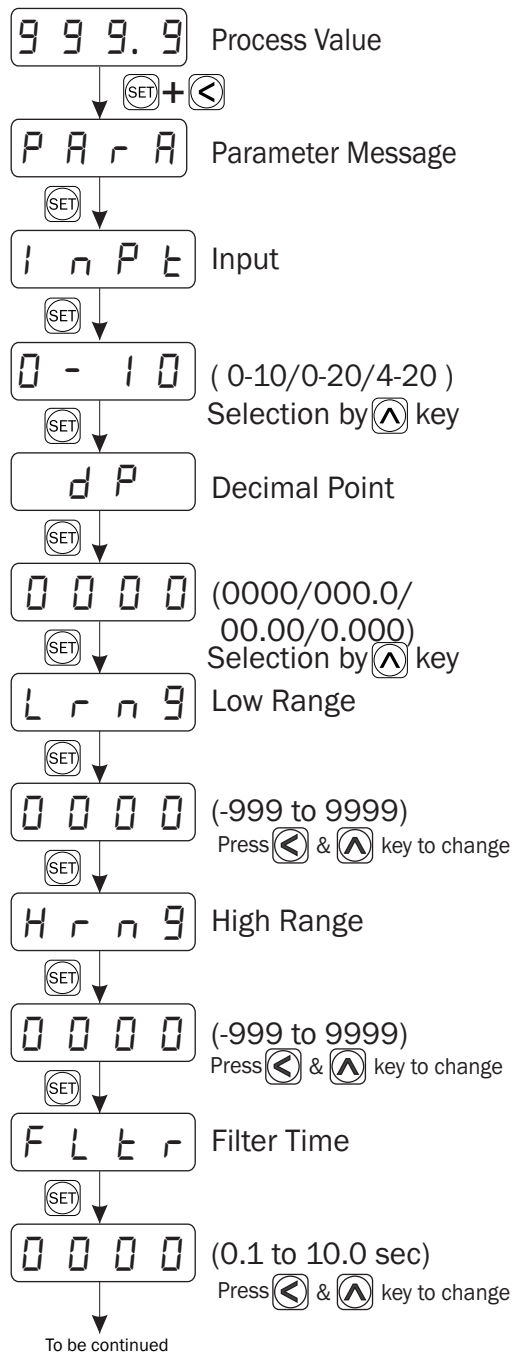


NOTE:- 4 VA (In Single Side)
7 VA (In Dual Side)

Key Operation

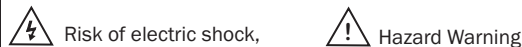
FUNCTION	PRESS KEY
OPERATOR MODE	
To enter in parameter setting	SET + ←
PARAMETER SETTING MODE	
To Conform Changes And go to Next Step	SET
To increment parameter value.	↑
To Select digit which value want to edit	←
Set parameter to be save & exit.	ENT

Parameter Setting



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Test Certificate

Product : PROCESS INDICATOR
 Model No.: PIC-6004A
 Input: 0 to 10V DC, 0 to 20mA DC, 4 to 20mA DC (Selectable)
 Range : -999 to 9999 (Selectable)
 Supply: Single :- 100 to 270V AC, 50/60 Hz Approx 4VA
 Dual :- 100 to 270V AC, 50/60 Hz Approx 7VA
 Accuracy : ± 1 % Of FSD
 Calibrator Used : Process Calibrator
 Calibrator Sr. No. : P-CAL 1



Q.A. Engineer
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Specifications are subject to change, since development is a continuous process. So for more updated operating information and Support, Please contact our Helpline:

Ver:202107