## A. Front Control Details.



## 280

> \#2 PUSH
> Push Switch to DISPLAY SP

## \#3 ON.

LED Indicates Relay ON or OFF in Relay and Pulse Output Units.
Units with $0-10 \mathrm{~V}$ or $\mathbf{4 - 2 0 m A}$ Output \#3 is always OFF.

## \#1 DISPLAY

This is a $31 / 2$ digit display which shows the process value from 000 to 1999 as chosen by user it could be deg C, Kg/cm2 or Lts/hr.

## \#2 PUSH

This is a pushswitch which when pressed makes DISPLAY read SET POINT as required by user to control his process.

## \#4 SET

This is an endless 10 Turn Potentiometer this is used to adjust SET POINT (SP) in tandem with \#2 PUSH. Turning Clockwise it Increments SP till max. value then turn anticlockwise to bring SP to Zero. Use a Plastic Screwdriver or Trimmer.(Tester).

FOR GOOD RESULTS
Wrong Connections are the cause of most equipment failure.

Use Servostabilizer for extra protection.

Use a Very good earth connection.

Use Fuses where appropriate.

Crimp and Solder all Lugs.

## B．Back Panel Details

| TERMINATION ： |
| :--- |
| INPUT ： 4 to 20 mA, |
| Fused，Polarity is Important． |
| From Sensor，DC Current． |
| OUTPUT ： 4 to 20 mA, |
| Polarity is Important．To |
| Output Device or Actuator |
| which using DC Current |
| drives 0\％／4，50\％／12mA and |
| 100\％／20mA in Linear fashion． |
| SUPPLY ：230V 50Hz |
| L，N，E．Connect Proper Earth． |



## CONTROLS ：

BAND ：This is a Single Turn Potentiometer（ 300 deg ）it sets the Proportional Band of Control．为 ${ }^{2}$ is Wide 仿分 is Narrow．
RESET ：This is a Ten Turn Potentiometer（endless）it sets the


## SPECIFICATIONS ：

OUTPUT ： 4 to $20 \mathrm{~mA}, 4 \mathrm{~mA} 0 \%$ \＆20mA 100\％．$<4 \mathrm{~mA}$ OFF，$>20 \mathrm{~mA}$ ON． 4－20mA Maximum Voltage＠12V DC ie Shunt 10 Ohms to 500 Ohms．
Protection－use external fuse of 0.1 A to safeguard from high energy circuits．
INPUT ： 4 to $20 \mathrm{~mA}, 4 \mathrm{~mA}$ Displays $0 \%$ of Process Value＇ 000 ＇\＆20mA Displays $100 \%$ of Process Value this is to be specified by user as an example 750 Lts／hr．Input＠ 20 Ohms Shunt in STC1000PFC．
Protection－Internal fuse of 2A and Semiconductor Protection Circuits to safeguard from high energy circuits．

## Environmental Limitations：Delicate Precision Instrument

Maximum 50 Deg C，70\％RH Non－Cond，Acid－Alkali－Salt Free area． the equipment will fail if environment is Hot／Corrosive／Vibrating．
Cleaning and Maintenance：
No Maintenance required，Clean front panel with moist sponge \＆Colin／Brisk． Power Supply：$\quad 230 \mathrm{~V}$ AC $50 \mathrm{~Hz}+/-10 \%$ ，Sinewave UPS \＆DG Sets．

