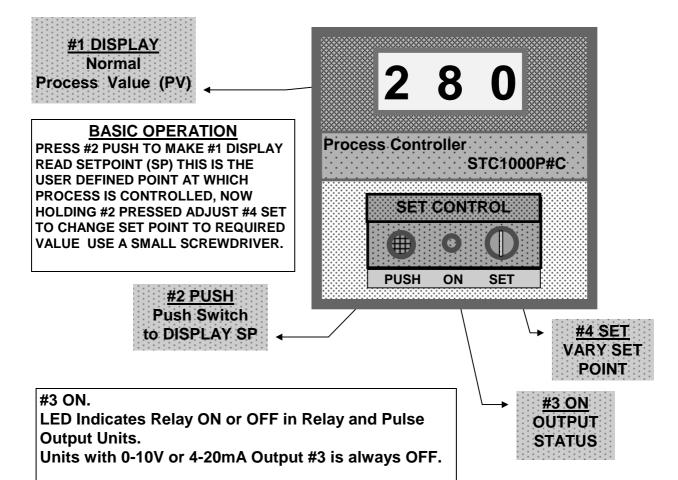
A. Front Control Details.



#1 DISPLAY

This is a 3 1/2 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.

Instruction Manual

STC1000P#C

SPCTPL

Proportional Process Controller

B. Back Panel Details

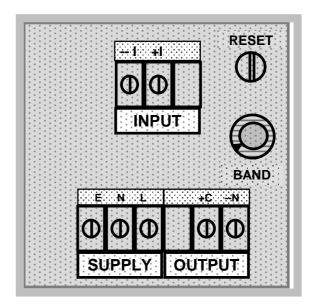
TERMINATION:

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. 於歌 is Wide 伊魚 is Narrow.
RESET: This is a Ten Turn Potentiometer (endless) it sets the Integral or Reset or Error Cal. 於歌 is Inc. PV 伊魚 is Dec. PV.

SPECIFICATIONS:

OUTPUT: 4 to 20mA, 4mA 0% & 20mA 100%. <4mA OFF, > 20mA ON. 4-20mA Maximum Voltage @12V DC ie Shunt 10 Ohms to 500 Ohms. Protection - use external fuse of 0.1A to safeguard from high energy circuits. INPUT: 4 to 20mA, 4mA 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: 230V AC 50Hz +/- 10%, Sinewave UPS & DG Sets.