Instruction Manual

• Unit consists of following items:

1 Amplifier card with 2 channels mounted in profile channel -- 1 no

• Technical specifications:

Supply input: 24VDc,
Signal input: 0-10VDC, 50mA input
Signal output: 0-24V DC, max output current 3.0Amp

• Functional Description

- This unit can be used as a amplify voltage from 0-10V DC input (Analog type) to 10 to 24V DC output suitable for any proportional valve.

• Setting Procedure

- Connect card as per wiring diagram.
- Apply 0 volt input at 0-10V DC input connector.
- Please verify polarity of supply.
- Adjust MIN-P (minimum pot) for required current**.(Minimum pot adjust at 0-5v input of 0-10v source)**
- Apply 100% input (maximum 10 V DC) at 0-10V DC input connector.
- Adjust MAX-P (maximum pot) for required current..**(Maximum pot adjust at 6-10v input of 0 -10v source)**
- Repeat the above procedure for two or three times and confirm the minimum maximum current value.
- Repeat the above procedure for other channel also.

Setting procedure for Factory set calibration:-

- Do the wiring as per the following wiring diagram.
  (**Remove Output coil wire during calibration process**)
- You should do a factory calibration in one of the channels in the card. Let's do it in Channel One for example.
- Inside the card you will see that there is a testing point named "J10".
- Now DC Voltage is to be measured at this testing point with a multimeter.

- Keep one probe of Multimeter at "J10" and the other probe at 0-10 volt "-" points.
- Now to set "1.5" volt when there is 0 volt at 0-10 volt input. Use a minimum pot to set it.
- Now to set "2.5" volts when there is 10 volts at 0-10 volt input. Use maximum pot to set it.
- This way you can do factory set calibration, when the calibration in the card is disturbed

Wiring Diagram