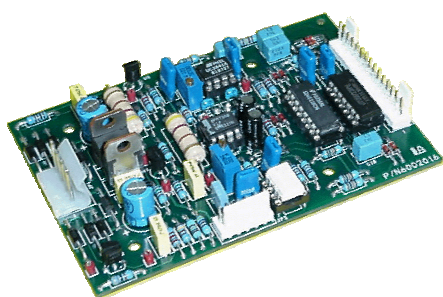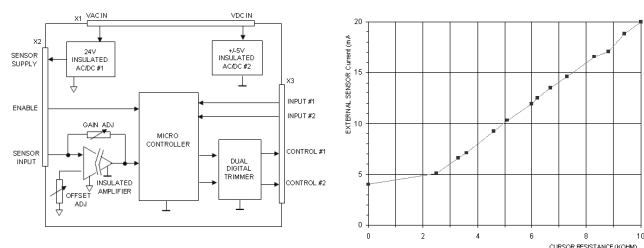Remote Sensor Interface

ETR-210K

Key Features

- microprocessor controlled
- high reliability
- high resolution
- GAIN and OFFSET adjustable
- low consumption
- high insulation
- little space
- low price
- valid alternative of PLC devices

Description

The ETR-210K board is a 4-20mA standard sensor interface designed for the remote control of automatic process.

The 4-20mA signal coming from external sensor controls the cursor positioning of two electronic trimmer at 256 steps, placed on the board, allows it the remote control of generic devices whit linear or logarithmic interface function.

An external enabling signal (ENABLE) allows the total cut off of the remote control functions.

The remote sensor supply is directly given by the ETR-210K board and it is electrically insulated with respect to the round reference of the controlled equipment.

Technical Characteristics

ELECTRICAL

Power supply   :
        sensor 28Vac/30mA
        logic   15Vdc/100mA
Consumption   : < 2 Watt
Insulation   : 2750 Vac
Impedence   : 240 ohm resistive

Control   : LOW level on ENABLE
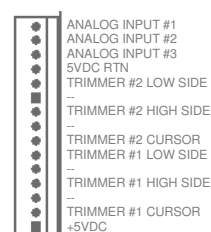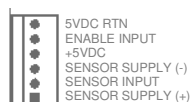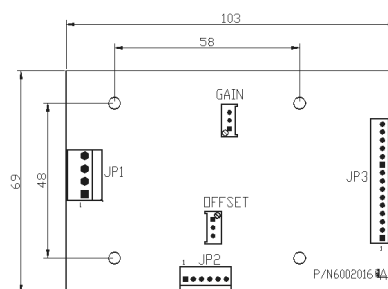Resolution   : 256 steps

Operative temperature from 0℃ to 70℃

MECHANICAL

Dimensions   : 103 x 69 x 15 (h)
Weight   : 150 grams

CONNECTIONS

Supply   : Molex 4p   Male p. 3,97mm
Sensor   : Molex 6p   Male p. 2,54mm
Device   : Molex 12p Male p. 2,54mm

Mechanical Layout (Unit: mm)