Current to Voltage Module, 0/4-20mA to 0-3.3V 5V 10V Voltage Transmitter Converter, Signal Conversion Module Board DIY Electronic

Description:

In the process of signal transmission circuit, the voltage signal with the increase of transmission distance becomes weak, the use of current transmission can prevent the signal attenuation. This module is used for the end of the current signal transmission, the signal into a voltage signal for single-chip detection. Current input support 4-20Ma, 0-20mA, output voltage support 0-3.3V 0-5V 0-10V

Features: Wide voltage range, the output voltage support multiple ranges

- Zero and range can be adjusted
- High stability, good linearity, industrial quality
- Current signal sampling resistance with high precision color ring resistance, high precision, temperature drift small, high power

Instructions for use:

1. Module according to the definition of wiring, power supply voltage 7-36V (if the output to 10V, the power supply voltage must be greater than 12V)

2. After power-up, the D2 indicator should be on, otherwise check the line connection. Board with reverse protection, reverse does not burn

3.when the current input is the minimum (0mA or 4mA), adjust the ZERO potentiometer so that the VOUT output is the minimum (0.0V or other voltage)

4. when the current input is at maximum (20mA), adjust the SPAN potentiometer so that the VOUT output is the maximum (3.3V or 5V or 10V, the output can be as low as 2.5V when the input is 4-20mA)

According to your needs, through the jumper cap to select the correct range:

- 4-20ma: 0-2.5V range: J1 1.2 feet short, 3.4 feet shorted
- 0 -3.3V range: J1 1.2 feet off, 3.4 feet off
- 0 - 5.0V range: J1 1.2 feet short, 3.4 feet shorted
- 0-10.0V range: J1 1.2 feet short, 3.4 feet off
- 0-20mA: 0-3.3V range: J1 1.2 feet short, 3.4 feet shorted
- 0 - 5.0V range: J1 1.2 feet short, 3.4 feet shorted
- 0-10.0V range: J1 1.2 feet short, 3.4 feet off

Size: 4.2x2.5cm/1.65x0.98 inch

Turn zero and increase clockwise

Turn range and increase clockwise

Range selection

Current source 0/4~20mA

Vcc (Power supply+)

Vout

DC power supply

GND (power supply-)

Power indicator

Current signal sampling resistor
High precision low temperature drift ring resistor 1‰ 30ppm

Anti reverse protection reverse polarity does not burn