

KTA-289 Voltage to 4-20 mA Converter



- The KTA-289 can take a voltage signal, from 0V to 30V and convert it to a 4-20mA signal.
- The full scale of the input signal needs to be below 2.3V or above 4.9V.
- The KTA-289 must be configured to work for the voltage range of your application. To do this a voltage source of the full-scale voltage is required.

Connections

Connection	Function
V+	Positive Power Input (8-30VDC)
GND	Common Ground Return of Power Input
INPUT	Input Voltage Signal Positive
GND	Common Ground Return of Input Signal
OUTPUT	Output 4-20mA Signal Positive
GND	Common Ground Return of Output Signal

Configuration

Follow these steps to configure the unit for any voltage range:

1. When using with signals with full range greater than 4.9V move the switch to the Divide position.
2. When using with signals with full range lower than 2.3V move the switch to the Amplify position.
3. Short out INPUT to GND and adjust the 4mA adjustment potentiometer until 4mA is seen on the OUTPUT.
4. Input a maximum range signal to the INPUT pins and adjust the 20mA adjustment potentiometer until 20mA is seen on the OUTPUT pin.
5. The KTA-289 is now ready to use.

Ordering Information

KTA-289

A: Converter card in DIN Rail Mount Enclosure

C: Converter card without enclosure or screw terminals