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## KR4 - I/U

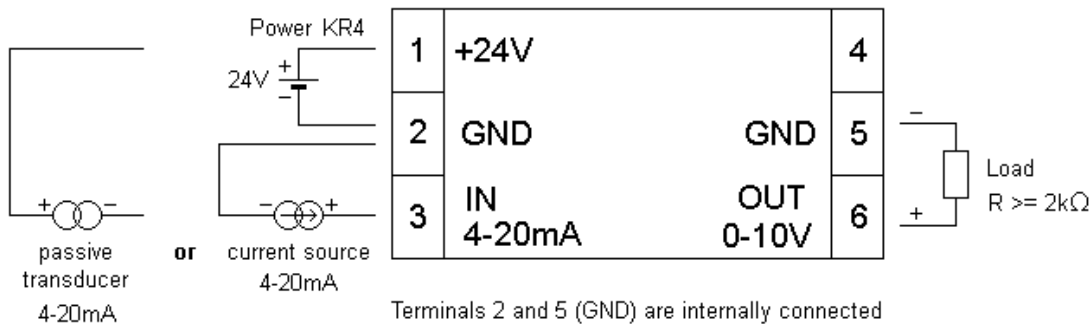
Current analog signal converter  
0/4-20mA for analogue voltage signal 0-10V  
in a housing for a DIN rail



The KR4-I / U converter is used to convert a 4-20mA analog current signal into a 0-10V analog voltage signal. A 4-20mA current signal produced by any other electrical / electronic device can be provided for an analog input. The analog input can also be connected to a 2-wire passive transducer of any physical size (eg temperature, pressure) operating in the standard of 4 20mA.

The signal from the analog output can control any electrical device that has a voltage input of 0-10V. For example, with the KR4-I / U converter, a 2-wire pressure transmitter operating in the 4-mA standard can be connected to the analogue 0-10V voltage input of the PLC.

### Connection diagram of KR4-I/U converter



## Technical data KR4 - I/U.

### Power supply:

- power supply voltage: **24V +/-20%**
- power consumption:
  - **3mA max, with an unloaded voltage output**
  - **8mA max, at a voltage output of up to 2kΩ**

### Current input:

- the voltage drop at the input: **5V max, at 20mA (corresponds to the input resistance 250Ω)**
- current limit: **30mA - protection against applying too high voltage - max 30V**

### Voltage output:

- load resistance: **2kΩ or more**
- short-circuit protection: **30mA - protection against short circuit to ground**
  
- accuracy of analog signal processing: **+/- 0.2%**
- response / conversion time (10-90%): **0.1sek**
- operating temperature range: **0-65 °C**
- relative humidity range: **0-90% (without condensation)**
- level of security: **IP20**
- work position: **any**
- housing dimensions: **17.5 x 94 x 65 mm**
- assembly: **in a housing for a DIN rail (TS35)**

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