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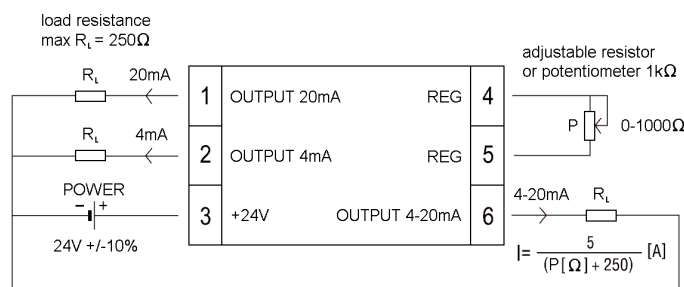
**Current regulator (passive) of constant signals
4mA and 20mA
and a 4-20mA adjustable signal
ZP-420**
in a housing for a DIN rail

1. Main description of ZP-420

The ZP-420 current calculator is used to force a current of constant value of 4mA or 20mA, or an intermediate value determined by means of a resistor or a regulation potentiometer.

The unit provides constant current flow independent of changes in load resistance (within the allowable range). The device is used to control devices having analog current inputs, for example to control the position of regulated dampers. It can also be used as a test bench for checking analog current input circuits.

2. Connection diagram of ZP-420 regulator.



3. Technical data.

- power supply voltage: **+24V +/-10%**
- load resistance: **0 do 250Ω**
- accuracy of current output stabilization:
 - **0.2%** for load resistance 0 to 100Ω
 - **1%** for load resistance 100Ω to 250Ω
- the value of the regulating potentiometer: **1 kΩ** (non-linear)