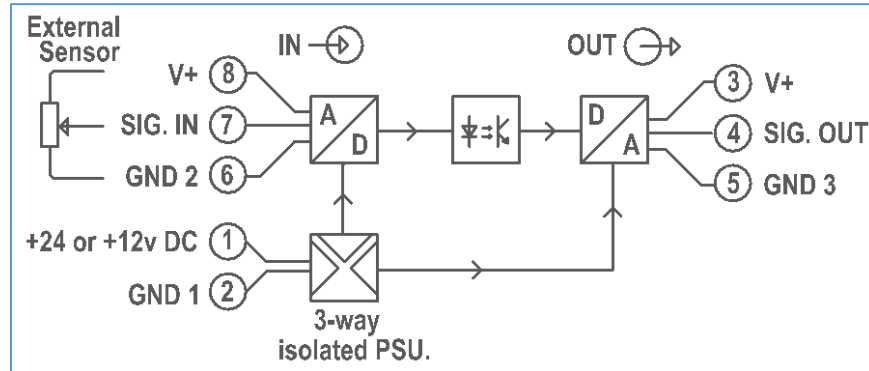


Signal conditioner PR171v4s02 (potentiometer input)



Quick-start


1. Connect external sensor as described in wiring diagram figure.
2. Make sure all 3 trimmers are fully rotated counter-clockwise.
3. Select the desired output type (see table)
4. Apply power to the module.
5. The output now varies according to the input signal.

In case of fine tuning the output signal (signal conditioning), use the onboard trimmers to reach desired values.

- Use P1 for adjusting gain to the output signal. (clockwise = increase gain)
- Use P2 for adjusting positive offset to the output signal (clockwise = increase positive offset)
- Use P3 for adjusting negative offset to the signal. (clockwise = increase negative offset)

Output data

The output of this module has **multiple** industrial signaling outputs, select desired output signaling using DIP switch J2 on the module. See table below.

Type of desired output signal	J2-1	J2-2	J2-3	J2-4	Example DIP switch 
For analog 4/20mA output or 0-20mA output	OFF	ON	OFF	OFF	
For analog -10....+10 volt DC output	ON	OFF	OFF	OFF	
For analog -2.5....+2.5 volt DC output	OFF	OFF	ON	OFF	
For digital output (0...+5 volt DC)	OFF	OFF	ON	ON	
For PWM output (-10....+10 volt DC pp)	ON	OFF	OFF	ON	
For PWM output (0...+5 volt DC pp)	OFF	OFF	ON	ON	

Only change J2 when power is off.

Input data

This module accepts potentiometer sensors with resistance ranging from 500 Ohm to 100kOhm. The power supply can be 12 volt DC or 24 DC and must be in range of 10 volts DC to 30 volts DC.

Dimensions

Dimensions module (with no DIN rail base)	Length = 72mm, Width = 43mm
With DIN rail base	Length = 92mm, Width = 45mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
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