

Application Note APN0020 for barrier model:

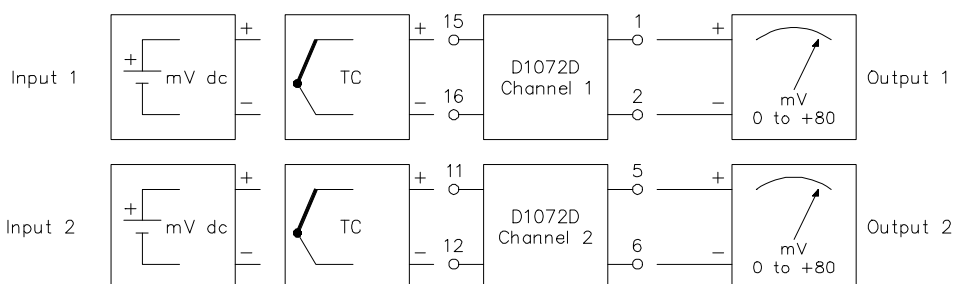
D1072S-024 1 channel mV Isolator DIN Rail
 D1072D-024 2 channels mV Isolator DIN Rail

This application note is intended to be read and used in conjunction with the D1072 data sheet DTS0025 and Installation Sheet ISM0018.

Application

The unit D1072-024 is suitable to perform a special interfacing for mV source input while repeating mV output signal. Input / output signal range is configured for 0 to +80 mV. Burnout indication is configurable up or down scale (88 mV up, 0 mV down analog output value).

The connection diagram is shown in figure:



Note: Power supply connection not shown on the diagram

Note that some restrictions may apply:

- Online configuration with PPC1090 can't be used.
- Online variable indication with PPC1090 can be used only with input.
- mV analog output impedance is equal to 10 Ω .

The barrier inputs and outputs are fully isolated each other and from supply.

The outputs can be connected to negative terminal of the supply without loss of performance..