

Application Note APN0008 for barrier model:

D1072D/02 2 channels Temperature Converter DIN Rail

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

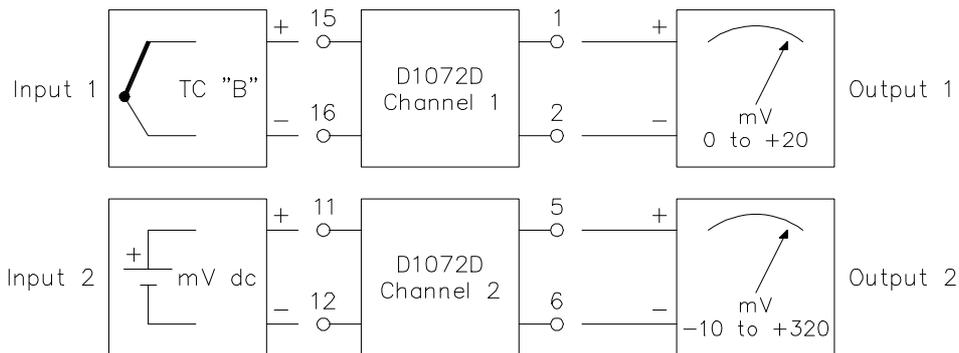
Application

The unit D1072D/02 is suitable to perform a special interfacing for FER Strumenti sensor.

Channel 1 is configured for 0 to +20 mV input/output, channel 2 is configured for -10 to +320 input/output.

Burnout indication on channel 1 is up scale (22 mV analog output value) while on channel 2 is down scale (-20 mV analog output value).

The unit is special and the connection diagram is shown in figure:



Note: Power supply connection not shown on the diagram

Note that some restrictions may apply:

- Online configuration and indication with PPC1090 can't be used.

The barrier inputs and outputs are fully isolated each other and from supply and must be used when ground loop should be avoided. The outputs can be connected to negative terminal of the supply without loss of performance.[MF1].