

Application Note APN0004

D1020 Version /01 Powered Isolating Driver DIN Rail

Special Unit: 2-10 Vdc Input, 4-20 mA Output

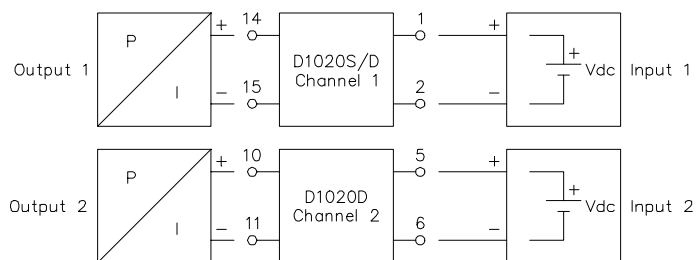
Application Note APN0004 for barrier model:

D1020D/01	2 channels Powered Isolating Driver DIN Rail
D1020S/01	1 channel Powered Isolating Driver DIN Rail

This application note is intended to be read and used in conjunction with the D1020 data sheet DTS0017 and Installation Sheet ISM0012.

Application

The unit D1020D/01 (or D1020S/01) is suitable to perform a 2-10 Vdc input to a 4-20 mA output to drive an I/P converter. 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:

- The input impedance is $\geq 300\text{ K}\Omega$ ($\approx 30\text{ }\mu\text{A}$ current).
- The unit has not the bi-directional signal communication.
- The unit has not the field open circuit detection.

The barrier inputs are fully isolated from supply and must be used when ground loop should be avoided[MF1].