

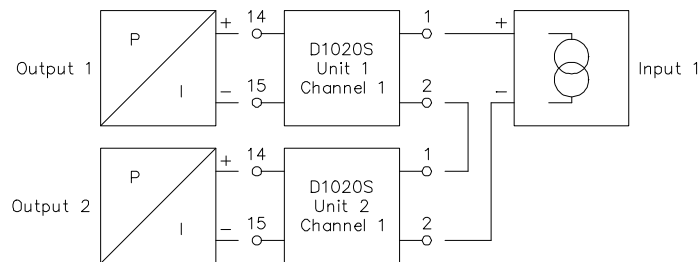
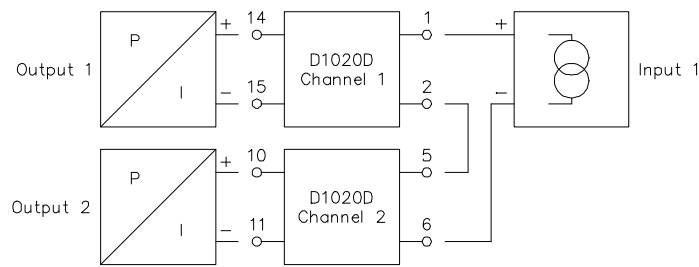
Application Note APN0002 for barrier model:

D1020D 2 channels Powered Isolating Driver DIN Rail
D1020S 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 (or two D1020S) is suitable to perform a single input-dual outputs connection with an external cross wire as shown in figure:



Note: Power supply connection not shown on the diagram

Note that some restrictions may apply:

- the total input voltage drop-out must be changed in 3 V (1.5 V per channel as specified).

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

An Hand Held Terminal (HHT) for smart positioners can be connected either at the Safe Area and at Hazardous Area side (in this case you need an IS certified HHT). When in Safe Area the HHT must be connected on input terminals and must be verified that the controller has a smart compatible output (otherwise you need to connect an external filter between the controller and the unit).