

XJ4-D Connection of Multiple Units in Series or Parallel.

Notes.

Multiple units can be connected in series or parallel to attain the required output voltage or output current.

All units must share the same disconnect device and overcurrent device.

For output voltages exceeding 42.4Vpeak or 60Vdc suitable isolation must be implemented.

For each XJ4-D current input allow 100Ω input resistance per input. So if 4 current inputs are connected in series the total input resistance will be 400R.

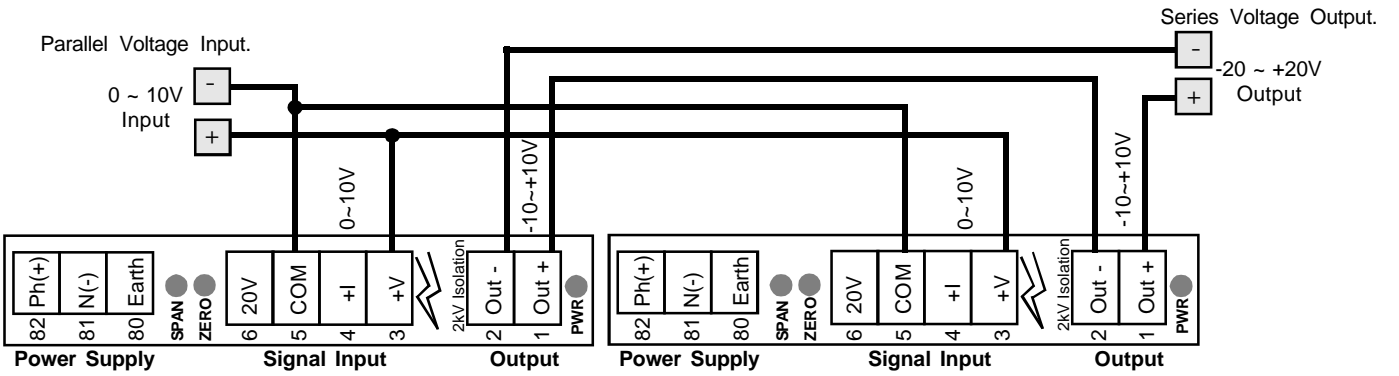
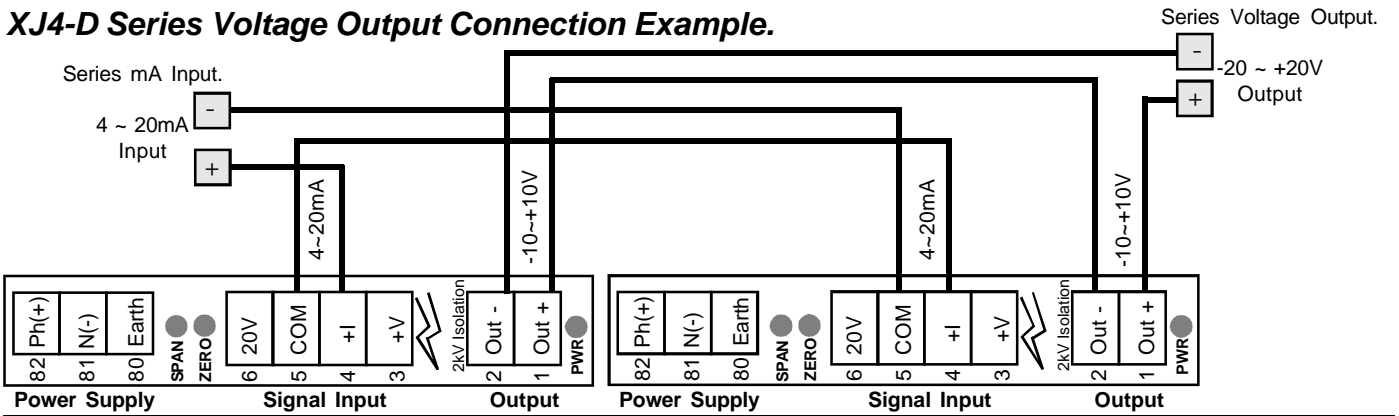
For each XJ4-D voltage input allow 130kΩ input resistance per input. So if 4 voltage inputs are connected in parallel the total input resistance will be 32kΩ.

For each XJ4-D the maximum output current is +20mA into 750Ω (15Vdc). So if 4 current outputs are connected in parallel the maximum output current is 80mA into 187Ω (15Vdc).

For each XJ4-D the maximum output current is -20mA into 500Ω (-10Vdc). So if 4 current outputs are connected in parallel the maximum output current is -80mA into 125Ω (-10Vdc).

For each XJ4-D the maximum output voltage is 10V at 20mA (500Ω). So if 4 voltage outputs are connected in series the maximum output voltage is 40V at 20mA (2000Ω).

XJ4-D Series Voltage Output Connection Example.



XJ4-D Parallel Current Output Connection Example.

