

General

With the addition of differential analog inputs to the SZ1143b, it has more flexibility to solve applications.

- The SZ1143b's input does not have to be referenced to ground or common.

Sequence of Operation

Refer to the diagram at the right for hardwire sharing of analog inputs. (The upper SZ1143b's Input 1 is not at ground). Notice the jumper at rtn 1 is removed and the unit's Input 1 is connected in series with the lower unit. This way both units receive the same current signal.

CAUTION: Confirm that your 4 to 20 mA transmitter has sufficient compliance to drive 20 mA full scale into 500 Ohms or that it can develop 10V.



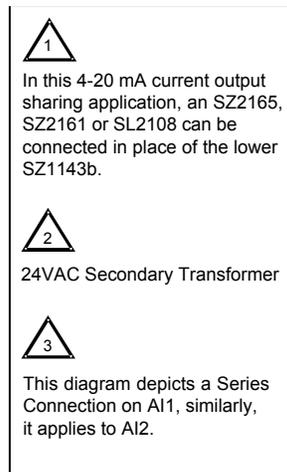
Note, the lower unit in the diagram could also be an SL2108, SZ2165 or other TCS device.

The ground to ground and connection is important for proper operation.

For runs of any distance, use twisted pair or twisted, shielded pair as shown to run the 4-20 mA signal between the SZ1143b's and the TX1500 Series transmitter.

Power the units

CAUTION: The units are powered from 24 VAC. It may be a single transformer if it has a sufficient VA rating. Observe the same power polarity for both units as you would in any other TCS unit.



Sharing Analog Inputs on an SZ1143b

