### Application: Network multiple Keller digital pressure or level transmitters using a single K-114 interface converter.

**Step 1:** The first thing you need to do is connect each transmitter to the K-114 individually and change its device address using READ30 or CCS30 (see documentation for respective software package for details). Each transmitter MUST have a unique device address for use in a network!

**Step 2:** Connect all transmitters in parallel. For example; all +VDC wires are connected to each other, all ground wires are connected to one another, and so on.

**Step 3:** Connect the transmitters to the K-114. Again, just connect +VDC on the transmitters to +VDC on the K-114, ground to ground, and so on.

**Step 4 (optional):** If noise or interference is an issue you can place a 120 Ohm termination resistor across the RS485 A & B wires. Keep in mind that this will add additional current load to the circuit!

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**Keller digital level or pressure transmitters**

- **Address: 1**
  - +VDC
  - Ground
  - RS485A
  - RS485B

- **Address: 2**
  - +VDC
  - Ground
  - RS485A
  - RS485B

- **Address: 3**
  - +VDC
  - Ground
  - RS485A
  - RS485B

- **Address: 4**
  - +VDC
  - Ground
  - RS485A
  - RS485B

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**Keller K-114 interface converter**

- +VDC
- Ground
- RS485A
- RS485B

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**IMPORTANT! To use multiple transmitters with a K-114 you must use the optional AC adapter, as USB bus power is not sufficient for more than a single device.**

**NOTE:** The optional AC adapter provided by Keller for the K-114 supplies 15VDC / 210mA. This should be enough current to supply about 10 transmitters with power.