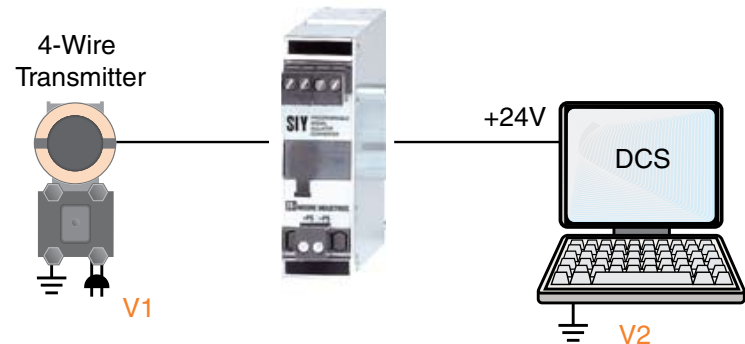
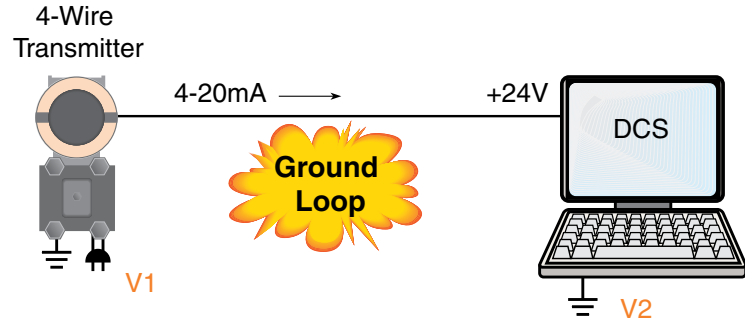


### Signal Transmitters, Isolators and Converters

#### Stop Ground Loops

**Problem:** We're experiencing signal drift between the 4-wire field transmitter and the grounded receiver on our newly commissioned loop. What's causing this problem?

**Solution:** The difference in potentials between two grounded, non-isolated devices may result in a ground loop. Installing an SIY or ECT to break the galvanic path prevents the effects of ground loops, motor noise and electrical interference.



SIY Signal Isolator breaks the galvanic path to stop ground loops

#### Model Number Example

SIY / PRG / 4-20MA / 10-42DC [DIN]

ECT / 4-20MA / 4-20MA / 12-42DC [DIN]

[Go to Signal Transmitters, Isolators and Converters Selection Guide](#)