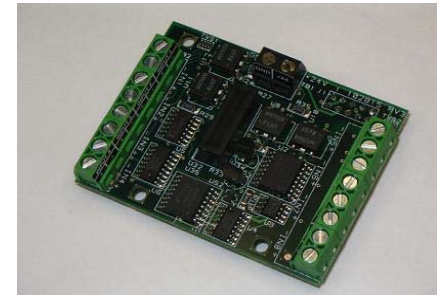
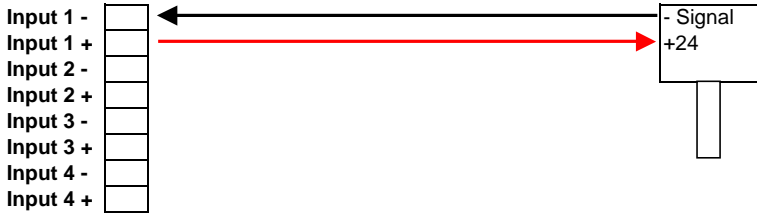


1. The (-) Minus terminal is the signal input. The 4-20ma signal goes here.
2. The (+) Plus terminal is a +24vdc power supply for the transmitters.
3. The GND terminal is the return for completing the circuits, both signal and power.
4. The +24 terminal at the top, middle of the board is the same supply as the (+) Plus terminal.

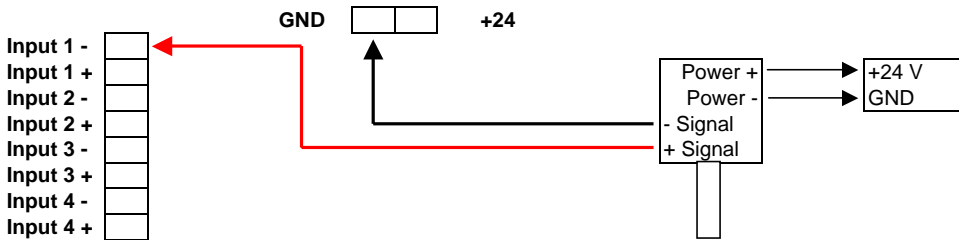


### A. Two-Wire Loop-Powered Transmitter



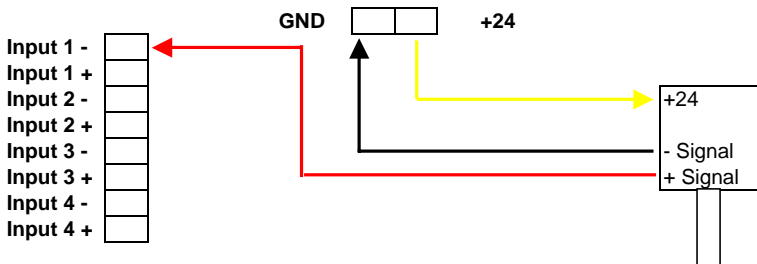
**Notes -**  
The - Signal wire is the actual 4-20ma signal and is also the GND return wire to complete the circuit. Input - is internally connected to GND via 25 ohm resistor

### B. Two-Wire Externally-Powered Transmitter



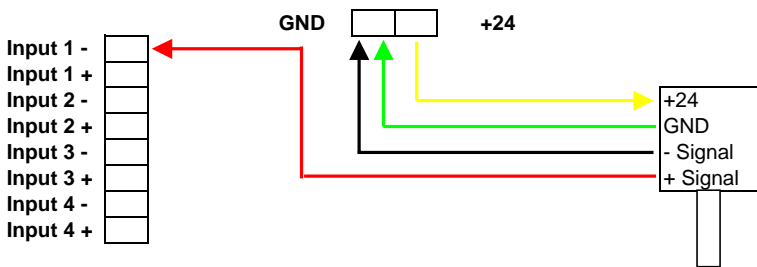
**Notes -**  
This transmitter gets it's power from it's own dedicated power supply.  
**Connecting a powered transmitter to the Input + terminal of the WebMaster will permanently damage the input!**

### C. Three-Wire Transmitter



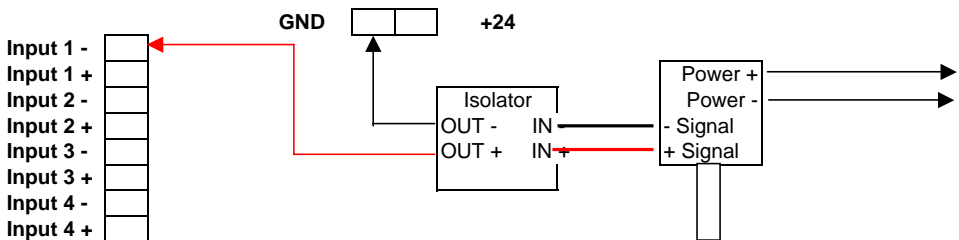
**Notes -**  
The Red and Black wires are the 4-20ma signal. The Yellow and Black wires are the +24vdc power supply wires.

### D. Four-Wire Transmitter



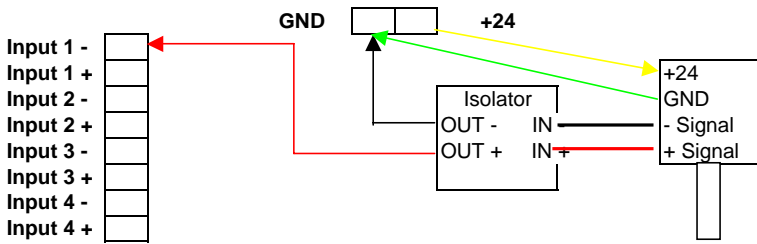
**Notes -**  
The Red and Black wires are the 4-20ma signal. The Yellow and Green wires are the +24vdc power supply wires.

### E. Non-Isolated Two-Wire Externally-Powered Transmitter



**Notes -**  
The analog inputs share their negative terminals. They are all isolated from earth ground but not isolated from each other.  
One non-isolated device may be connected without problems.  
**If more than one non-isolated transmitter is connected they must be installed with an isolator.**

## F. Non-Isolated Four-Wire Externally-Powered Transmitter



### Notes -

The analog inputs share their negative terminals. They are all isolated from earth ground but not isolated from each other.

One non-isolated device may be connected without problems.

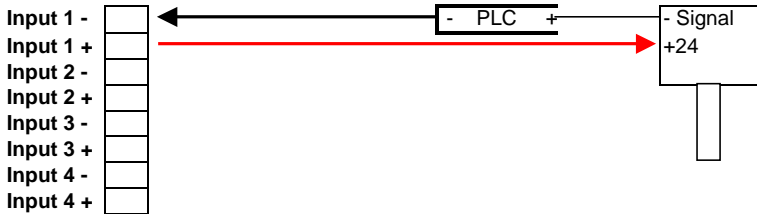
If more than one non-isolated transmitter is connected they must be installed with an isolator.

## ADDING AN ISOLATED RECEIVER TO THE LOOP (PLC, Chart Recorder, etc.)

The WebMaster GND must always be at the bottom of the loop

Maximum total loop resistance 1000 ohms

### A. Two-Wire Loop-Powered Transmitter

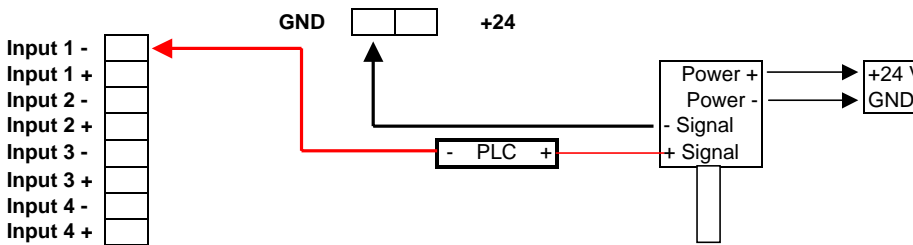


### Notes -

The - Signal wire is the actual 4-20ma signal and is also the GND return wire to complete the circuit.

Input - is internally connected to GND via 25 ohm resistor

### B. Two-Wire Externally-Powered Transmitter

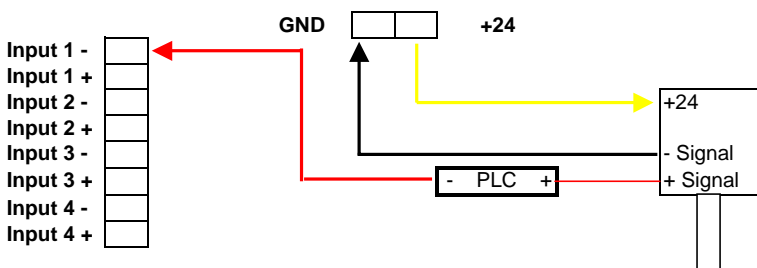


### Notes -

This transmitter gets its power from its own dedicated power supply.

Connecting a powered transmitter to the Input + terminal of the WebMaster will permanently damage the input!

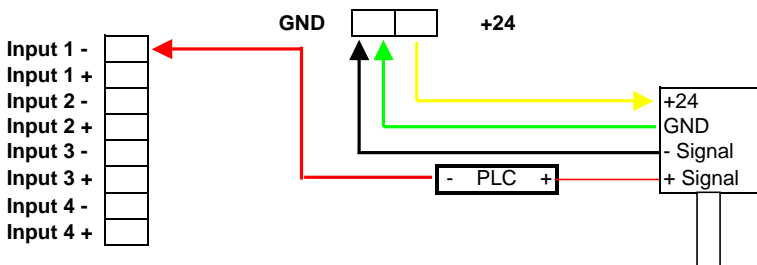
### C. Three-Wire Transmitter



### Notes -

The Red and Black wires are the 4-20ma signal. The Yellow and Black wires are the +24vdc power supply wires.

### D. Four-Wire Transmitter



### Notes -

The Red and Black wires are the 4-20ma signal. The Yellow and Green wires are the +24vdc power supply wires.