

T°Sentry Model 140 IRP

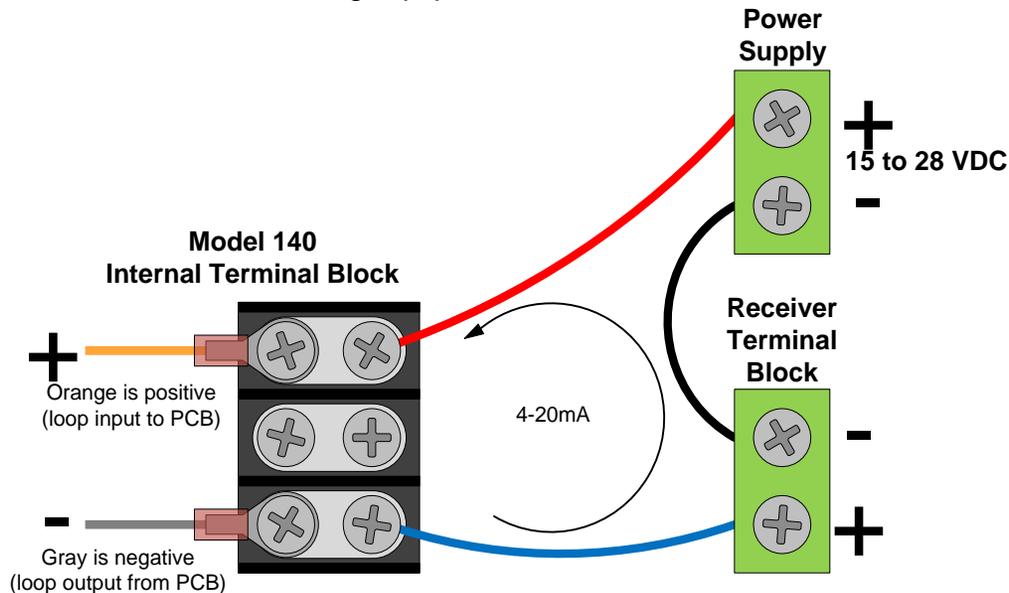
4-20mA Output Option

The T°Sentry Model 140 “I” option provides a 4-20mA isolated current source and output connector as part of the electronics board.

This 4-20mA output unit is designated Model 140-IRP (I for current, RP for receiver-powered). Other options available with the 4-20mA output are H (high-resolution), R (relay), and B (battery).

Total output current range is approximately 3-21mA and the 4-20mA measurement range corresponds to a user-programmable temperature range within the available range of the unit.

The IRP option includes a terminal block inside the Model 140 case for wiring the 4-20mA transmitter to the receiving equipment.



Note that the 4-20mA transmitter requires a minimum of about 8 volts DC to operate, up to a maximum of 28 volts DC. However, due to differences in wiring and receiving equipment we recommend using a power supply of at least 15 volts DC for proper operation over the full 4-20mA range.

To read the current with an ammeter, replace the blue wire shown in the above diagram with the meter probes. Place the “+” meter lead on the “-” terminal of the Model 140, and the “-” meter lead on the “+” receiver terminal.