

Using Tempo Locators to Trace 2-Wire

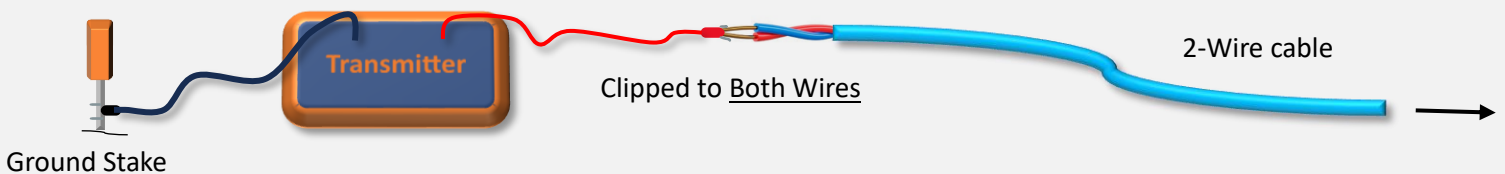


Decoder Cables

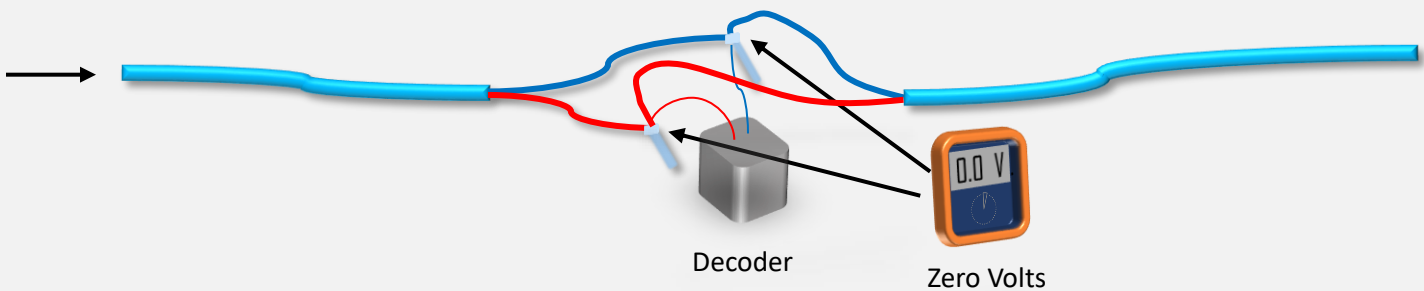


When it comes to using locators on 2-Wire irrigation systems, whether you use the **501 Tracker II Cable Locator** or **521A Wire and Valve Locator** to trace the 2-Wire path, the best practice is always to disconnect from the controller and clip one transmitter lead to both decoder wires together, then clip the other transmitter lead to a ground stake pushed into the ground (ideally off to the side of the route of the cable). This ensures the best signal and is safest for decoders.

CORRECT CONNECTION



When the output wire of the transmitter is connected to BOTH lines of the two-wire circuit, then the transmitter output is common to both wires and provided there are no significant faults, then the same voltage is seen on BOTH terminals of each decoder, effectively placing a completely safe ZERO volts across the decoder.



INCORRECT CONNECTION



Note: When using the **521A Wire and Valve Locator** to trace 2-Wire cable, it is always best to use the lower output levels on the transmitter as it can be damaging to decoders to go higher even when correctly connected if there are certain fault conditions present.



The safest locators to use for 2-Wire / decoder cable tracing are the **501 Tracker II Cable Locator** and the **508S-G Wire Finder**; the high frequency used by these models allows for low voltage from the transmitter even at maximum output and in any cable fault conditions.