

Using Tempo Locators to Trace 2-Wire



Decoder Cables

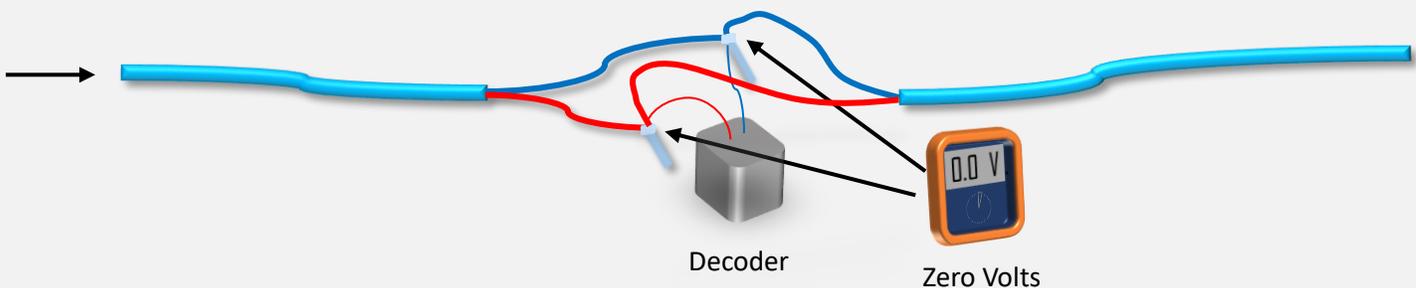


When it comes to using locators on 2-Wire irrigation systems, the best practice is always to disconnect from the controller and clip one transmitter lead to both decoder wires together, then clip the other transmitter lead to a ground stake pushed into the ground (ideally off to the side of the route 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** or **521E Wire and Valve Locator** to trace 2-Wire cable, it is always safer to use the lower output levels on the transmitter as high output can be damaging to decoders in certain combinations of fault conditions.



The high frequency used by both the **501 Tracker II Cable Locator** and the **508S-G Wire Finder** does not need much voltage from the transmitter and so these locators are safe even at maximum output and in any cable fault conditions.

