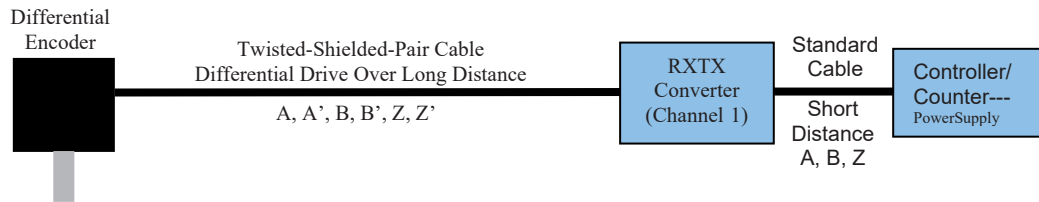


# Technical Bulletin 514

## RXTX - Differential Encoder to Single Ended Device



### Applications Guide

The illustration above utilizes Channel 1 of an RXTX Converter to convert the encoder's complimentary-differential signals to single-ended push-pull signals (which may be more compatible with some controllers/counters).

Note: Refer to the RXTX Converter connection diagram for the correct signal, power, and shield wiring to the terminals.

#### Suggestions:

- Mount the RX/TX Converter as close as possible to the Counter/Controller in order to minimize the single-ended cable length, thereby reducing susceptibility to noise.
- If transmitting encoder signals a long distance, provide a LOW CAPACITANCE, TWISTED-SHIELDED PAIR CABLE between the encoder and the RX/TX Converter.
- Terminate cable shields/drain wires to the 0V Terminal.