

Changes to RS-232C converter

I want to suggest two changes to the circuit of my port-powered RS232C-to-current loop converter, published in the Circuit Notebook pages of the April 2009 issue. These changes are necessary to make it work with some current loop interfaces such as the Cassette Tape Interface for Microcomputers (from "Electronics Australia", April 1977) which need the voltage across the SEND output to go below 0.6V for a logic level of 1.

The changes are as follows:

- (1) LED1 in the SEND side of the circuit drops too much voltage and must be replaced by a link.
- (2) The 10k Ω resistor in the SEND side of the current loop circuit must be replaced by a 150 Ω resistor.

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