ABB

TOTALFLOW
Technical Bulletin 88

UCI2 configured as an RS 232 to RS 485 converter.

Totalflow Technical Bulletin

Version 1.0, Revision AA (2 May 2001)

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1. **Purpose**

    To describe a problem encountered when testing RS485 remote communications going through a UCI2.

2. **Description**

    This document describes a situation that could be encountered when you are hardwiredRS232 to RS485 to a UCI2. If you have left the modem chip in the UCI2, the modem may put out spurious data that the host software does not understand. The most common communications error message you will see is a "crc error", however you may receive a "device did not respond" error also. We recommend when hardwiring to a UCI2 that you power the UCI2 down and remove the modem chip before testing RS485 remote communications.

3. **Conclusion**

    Power the UCI2 down and remove the modem chip (being careful not to bend any pins). Power up the UCI2 finish your test and then power the UCI2 down and replace the modem chip.

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