



TOTALFLOW
Technical Bulletin 78

UCI2 Product Update Notice

Totalflow Technical Bulletin

Version 1.2, Revision AC (10 April, 2000)

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Automation

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1. Purpose

To describe a hardware update to the UCI2 to improve the reliability and performance of the dial-up modem and RS-232 communications port. This product update is not to be confused with the standard UCI that has been offering for years. This update pertains to the new UCI2 which was released for sale in 1999 (see part numbers listed below).

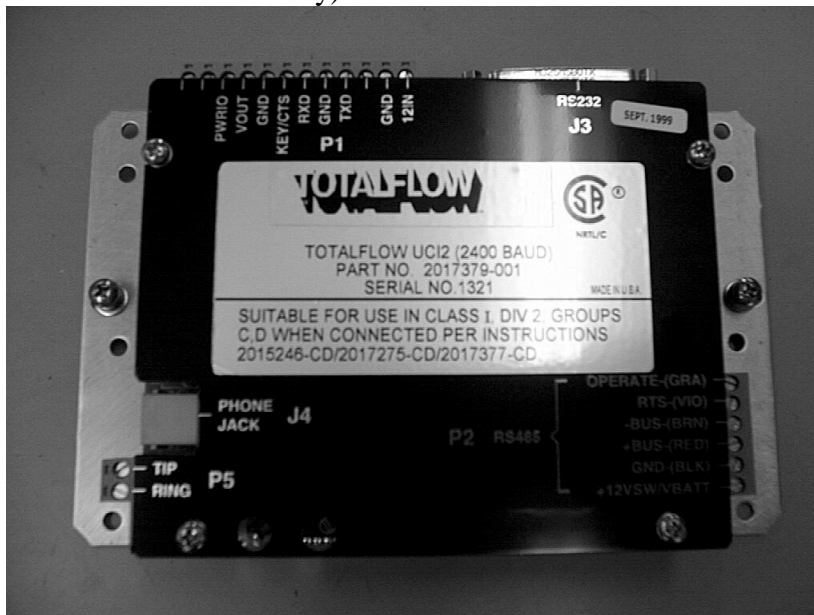
2. Description

The UCI2 can be sold in several configurations. These include:

- RS-232 to RS-485 converter, part # 2017379-003
- RS-232 to RS-485 barrier, part # 2017379-005
- RS-232 or RS-485 to dial-up modem (2400 baud), part # 2017379-001
- RS-232 or RS-485 to dial-up modem (9600 baud), part # 2017379-002
- RS-232 or RS-485 barrier to dial-up modem (2400 baud), part # 2017379-006
- RS-232 or RS-485 barrier to dial-up modem (9600 baud), part # 2017379-007

The only configurations known to have shipped are:

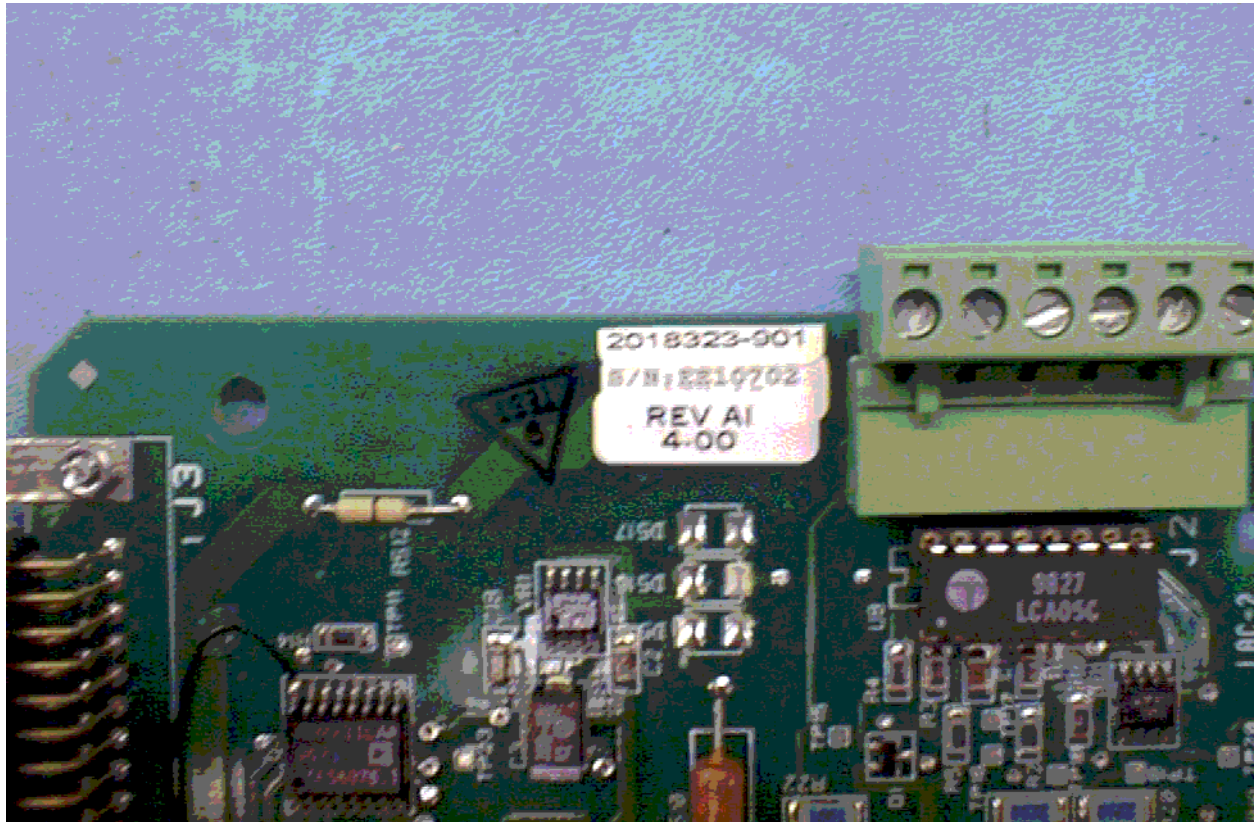
- RS-232 to RS-485 converter, part # 2017379-003
- RS-232 or RS-485 to dial-up modem (2400 baud), part # 2017379-001
- RS-232 or RS-485 to dial-up modem (9600 baud), part # 2017379-002
- RS-232 to RS-485 converter, part # 2017266-001 (normally mounted on top of the communication slide tray)



2400 baud modem version shown. Identifiers to distinguish this product from UCI, modem interface, or Datel modems are:

- Phone Jack connector
- Description tag (UCI2)
- Part # 2017379-???

To identify the enhancements, there is a serial number tag and revision On the electronic board (underneath the black top plate). This information will be located on a white tag near the edge of the board. The enhancements described in this bulletin will be on all boards with revision “AI” and higher boards (see close-up picture below). Any revisions from “AH” or below do not have the modem and RS-232 enhancements.



Problems reported on UCI2's without these enhancements have been:

- Phone line will not hang up
- Modem will not answer an incoming phone call
- Modem answers but the Flow Computer will not respond
- Modem will not work with ground wire connected from UCI2 to Flow Computer enclosure
- RS-232 to RS-485 converter works intermittently

To ensure product reliability and customer satisfaction, ABB Totalflow would like to offer an exchange policy for any UCI2's with revision "AG" or lower. For a replacement call (800) 442-3097 and select the ABB Totalflow customer service option on your phone. You will need to have the specific part number of your UCI2 (2017379-001, -002, or -003) before calling. Our service staff will issue you a return authorization number and ship you a replacement. You will have 30 days to return the original UCI2. If the original UCI2 is not received within 30 days, you will be billed for a new unit.

Important Return Information: Please return the complete unit including bottom (anodized) plate, electronic board, top black plate, and all connectors. If you have a converter that is mounted on top of the communication slide tray, remove the mounting hardware and only send in the electronics board (2017266-001). In return, we will send out a replacement board (2017266-001) Our staff will ship the enhanced UCI2 with all the above components.



We recommend that you use your existing wiring interconnect (green) connectors with the upgraded UCI2. This will keep you from having to re-wire the installation. Take the connectors off the upgraded UCI2 and install on the original UCI2 before returning to ABB Totalflow. Return the original UCI2 to ABB Totalflow with the return authorization number on the outside and inside of the shipping box. Shipping instructions will be provided by support staff when the return authorization number is issued.

3. **Conclusion**

The enhancements should improve dial-up modem and RS-232 communications. We apologize for any inconvenience this may have caused.