

Liteway, Inc.

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DX-7001 RS-485 2-wire Test Procedure 6/9/10

The following procedure is used to determine correct operation of the DX-7001 unit in the RS-485 2-wire mode.

1. Set the DX-7001 to be tested to the RS-485 2-wire mode by setting the DIP switch as follows:

Positions 1, 6, 8 and 10 OFF
Positions 2, 3, 4, 5, 7 and 9 ON
2. Connect power to the DX-7001 to be tested.
Note that only the PWR LED should come on.
3. Connect a 1.5 volt AA battery to terminals 1 and 2 with + going to 2 and - going to 1. *Note that only the PWR LED should be on.*
4. Reverse the polarity of the AA battery so that + now goes to 1 and - now goes to 2. *Note that Td LED should come on.*
5. Remove one lead of the AA battery. *Note that the Td LED now goes off.*
6. Connect a second DX-7001 as per steps 1, 2, and 4 above. *Note that the PWR LED and the Td LED should be on.*
7. Connect a fiber optic jumper from the Td Optical port of the second DX-7001 to the Rd port of the DX-7001 being tested. *Note that the Rd LED on the unit being tested comes on.*
8. Remove one lead of the AA battery from the second DX-7001. *Note that the Td LED on this unit goes off as well as the Rd unit on the unit being tested.*

If all of the above tests are completed as indicated the RS-485 2-wire mode operation of the DX-7001 being tested appears to be operating correctly.