



Release Notes

ControlNet Fiber Ring Repeater

Catalog Numbers 1786-RPFRL and 1786-RPFRXL

How to Use These Release Notes

These release notes describe firmware revisions for the ControlNet™ fiber ring repeaters, catalog numbers 1786-RPFRL and 1786-RPFRXL, which are used in conjunction with the 1786-RPA. The firmware is not customer upgradeable.

Use these notes with the ControlNet Fiber Ring Repeater Installation Instructions, publication 1786-IN003, and the ControlNet Modular Repeater Adapter Installation Instructions, publication 1786-IN013.

Changes Between FW Revision 1.002 and 1.003

When used in a ring topology, revision 1.003 improves fault handling of the ring network when a break in fiber media occurs. Normal operation (i.e., no fiber media breaks) is unchanged.

Changes Between FW Revision 1.001 and 1.002

Revision 1.001 is not compatible with the Series B 1786-RPA. ControlNet communications errors will result if the Series B 1786-RPA is used with revision 1.001. Errors are indicated by monitoring the error counters in RSLinx™ or monitoring the channel status LEDs. No problem exists with the Series A 1786-RPA.

This anomaly was corrected in revision 1.002.

Known Anomalies

You cannot attach more than two ring repeaters to the Series A and B 1786-RPA due to the cumulative voltage drop across the ring repeaters violating the minimum voltage requirement of 4.7V. The Series A and B 1786-RPA can supply sufficient current but not sufficient voltage for three ring repeaters on the same RPA.

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