



Substation Automation and Protection Division

Unicom RS232/485 Converter Connection to ABB Protective Relays

PC to TPU/DPU/GPU 2000R RS 485 Communication

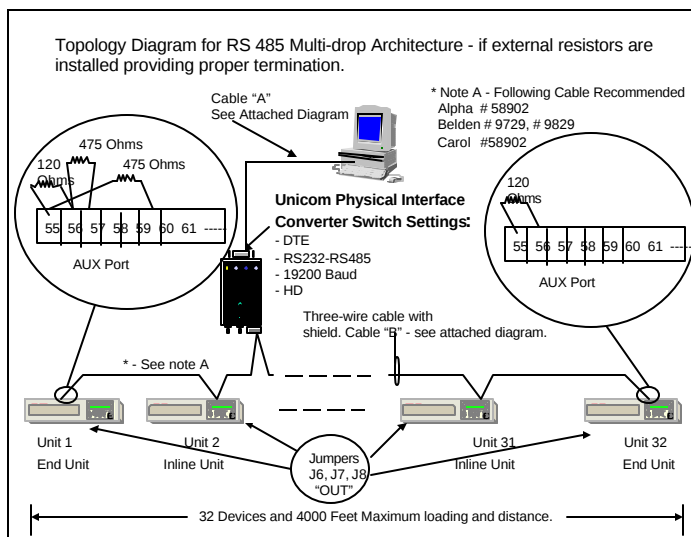
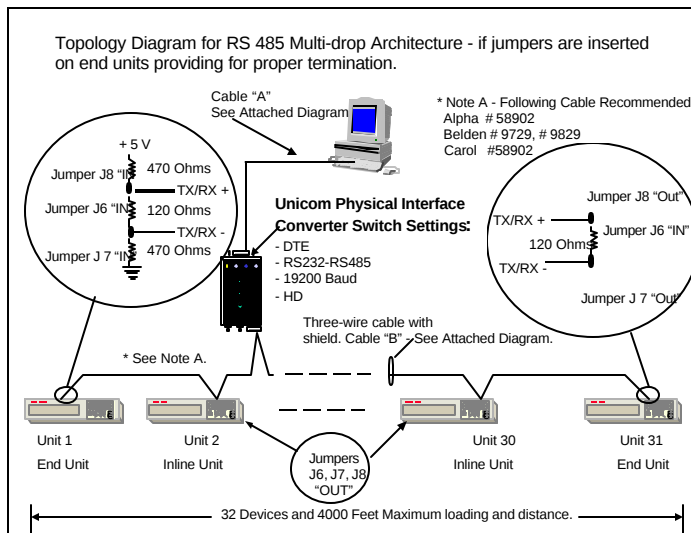
Physical Interface Topology and
Electrical Diagrams for RS 232
and RS 485 Interconnection using
a PC, Unicom Converter and
TPU/GPU/DPU Protective
Devices.

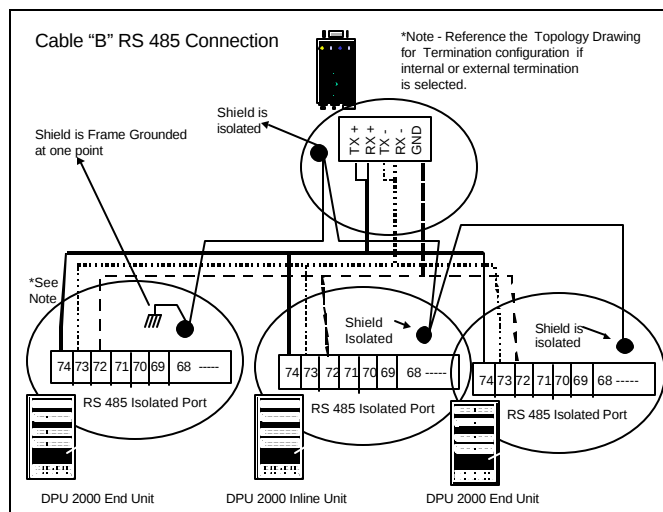
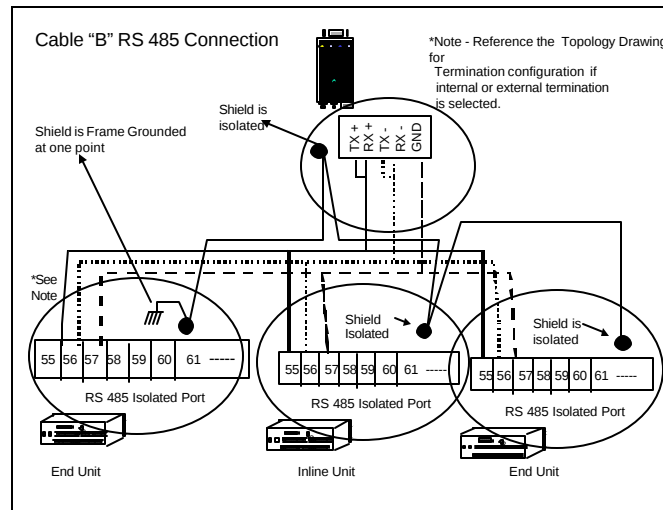
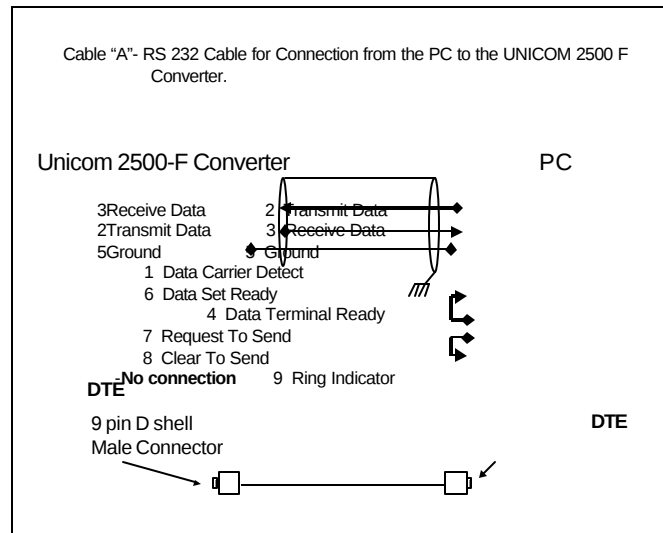
General Notes

- RS 232 incorporates no Handshaking on the Unicom Device. Jumpers added on PC host to simulate handshake.
- DPU/TPU/GPU offers only 2 - wire RS 485. Pins 58 and 59 are unused.

Reference Materials

- Refer to manuals:
 - Chapter 12 - Instructions DPU 2000R
Distribution Protection Unit 1MRA587219-MIB
(IB 7.11.1.7-4) Issue B.
 - Chapter 12- Instruction Booklet GPU 2000R
Generation Protection Unit 1MRA589765-MIB
(IB 7.11.1.7-10).
 - Chapter 13 Instructions TPU 2000R
Transformer Protection Unit 1MRA588372-MIB
(IB 7.11.1.7-5)





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