



# APPLICATION NOTE

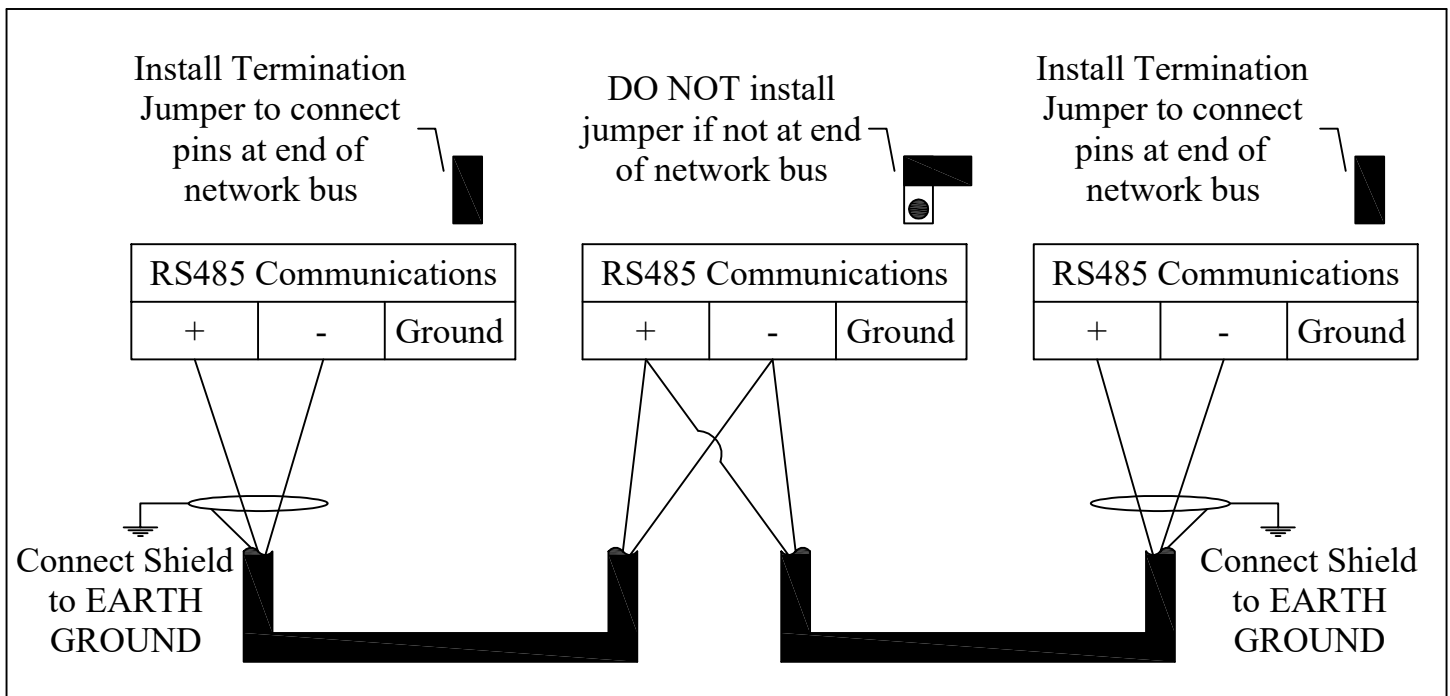
## APP #151

# RS485 Wiring and Termination Jumpers

### RS485 WIRING

Use two-conductor 24 gauge shielded wire for the RS485 network bus. Connect all the PLUS terminals to each other. And connect all the minus terminals to each other. All shields MUST be individually connected to EARTH GROUND. Install termination jumpers at the ends of the bus and remove all other termination jumpers. See diagram below.

The cable must be run from device to device so there are only TWO ENDS of the bus. Total length of the cable must not exceed 6000 feet.



Any questions regarding this release, contact: [support@mcscontrols.com](mailto:support@mcscontrols.com)

Micro Control Systems, Inc. 5580 Enterprise Parkway Fort Myers, Florida 33905  
(239)694-0089 FAX: (239)694-0031 [www.mcscontrols.com](http://www.mcscontrols.com)

Information contained in this document has been prepared by Micro Control Systems, Inc. and is copyright © protected 2021.  
Copying or distributing this document is prohibited unless expressly approved by MCS.

Revision 10-14-2021