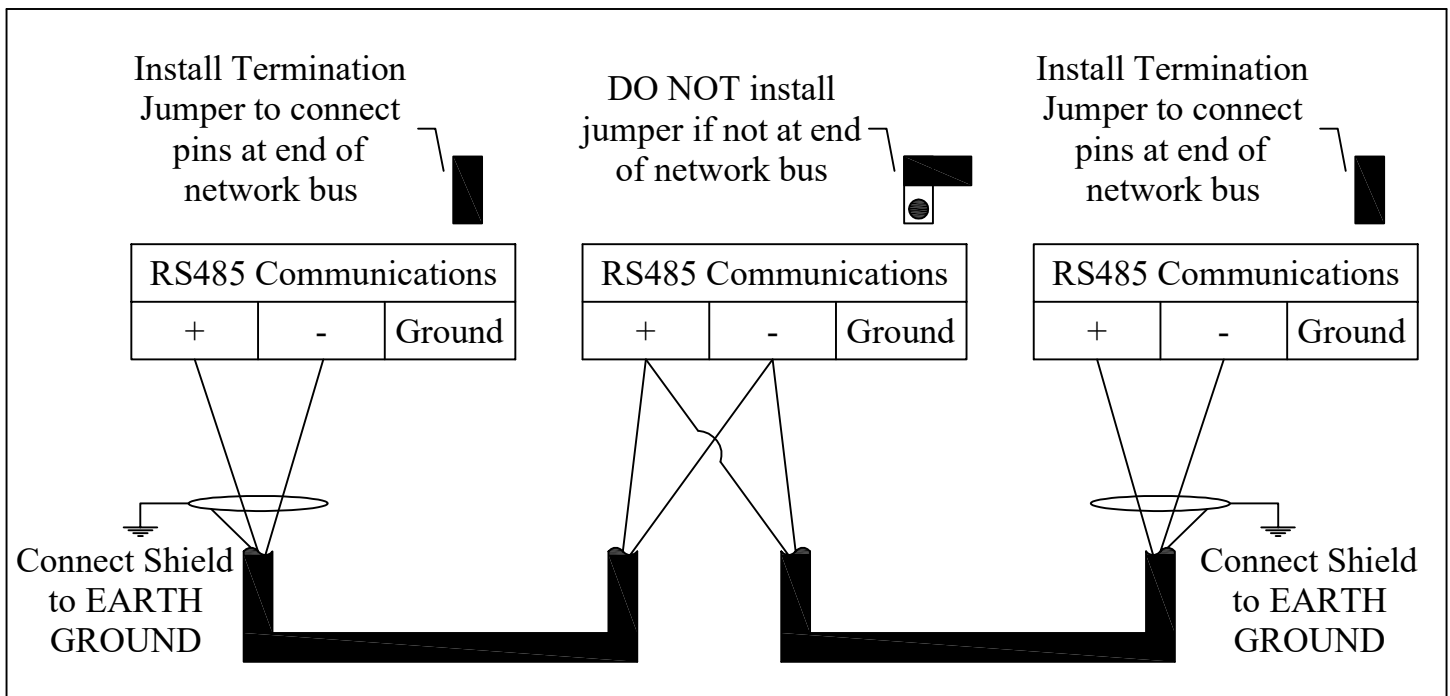## APP #151
RS485 Wiring and Termination Jumpers

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.

Install Termination Jumper to connect pins at end of network bus

DO NOT install jumper if not at end of network bus

Install Termination Jumper to connect pins at end of network bus

RS485 Communications		
+	-	Ground

RS485 Communications		
+	-	Ground

RS485 Communications		
+	-	Ground

Connect Shield to EARTH GROUND

Connect Shield to EARTH GROUND

Any questions regarding this release, contact: support@mcscontrols.com