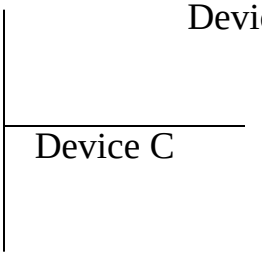
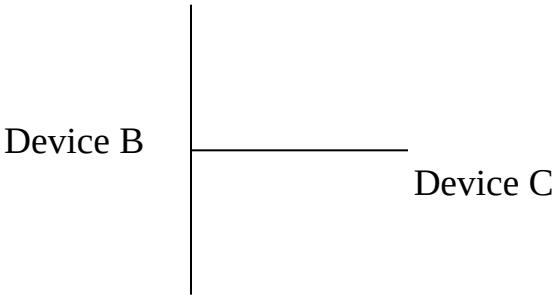
PORTATREE PROFESSIONAL INSTRUCTIONS
NETWORK CABLE INSTALLATION
FOR SCOREBOARDS, DIAL-IN DISPLAYS, & TIMESLIP PRINTER

When you are planning the network for your track it is very important to sketch out exactly where your current and future cable requirements may be located. The RS-485 network is a serial line communication that provides an addressable link between the P.C. in your tower to the peripheral devices on your track. You must make sure that the devices attached to the network are "Daisy Chained" and not just tapped off of the communication cable. You can not just tap into the middle of a cable and run it our to the particular device or it may NOT work. You must run the cable to Exampe Device A then to Device B and then to Device C, etc., etc. You can not cut into the cable between Device A and Device B to run to Device C.

Device A -- WRONG



Device A -- CORRECT



CONNECTIONS:

TOWER Connection:

This would be the end that plugs into the RS-485 P.C. CARD:

FEMALE 9 Pin D-Sub Connector

Pin 1 -- White Wire Pin 3 -- Red Wire Pin 5 -- Both Shield
Pin 9 -- Black Wire Pin 2 -- Black Wire Bare Wires

NOTE: white to 1 Black to 9 (Same Twisted Pair) Red to 3 Black to 2 (Same Twisted Pair)

SMART SWITCH Connection:

This would be directly into the terminals on the smart switch:

Terminal 1 -- Fr GND SHLD – Both Bare Wires
Terminal 2 -- TD(A) – white – 2 & 3 Same
Terminal 3 -- TD(B) – Black Twisted Pair
Terminal 4 – Red – 4 & 5 Same
Terminal 5 – Black Twisted Pair
Terminal 6 – Ground Use Power Supply
Terminal 7 -- +12 Volts D.C. Provided

NOTE: TERM Jumpers (Terminal Jumpers) should be set to OUT and 4W

SCOREBOARD Connection:

Red & Black -- Twisted Pair -- to -- Red & Green Modular -- RJ11 / RJ45 Plug - Scoreboard