

The BradConnectivity™ Bus Extender allows you to expand the functionality of your network in many ways. The bus extender allows you to extend the cable length of the trunk or drop line effectively multiplying the allowed cable length. In addition, the extender allows you to create a star topology of your DeviceNet layout, creating versatility in applications where many long drop lengths may be required.

- Extends the allowable trunk or drop line length of a DeviceNet system
- Allows “star” and other topologies to be constructed while using the DeviceNet protocol
- Isolates electrically “noisy” sections of the bus line from other bus line sections

Finally, sections of the network can be isolated from electrically “noisy” devices such as variable frequency drives or DC switching power supplies.

TOPOLOGY OPTIONS

Star Topology: Bus Extender Multiple Extended Drop Lines Connected

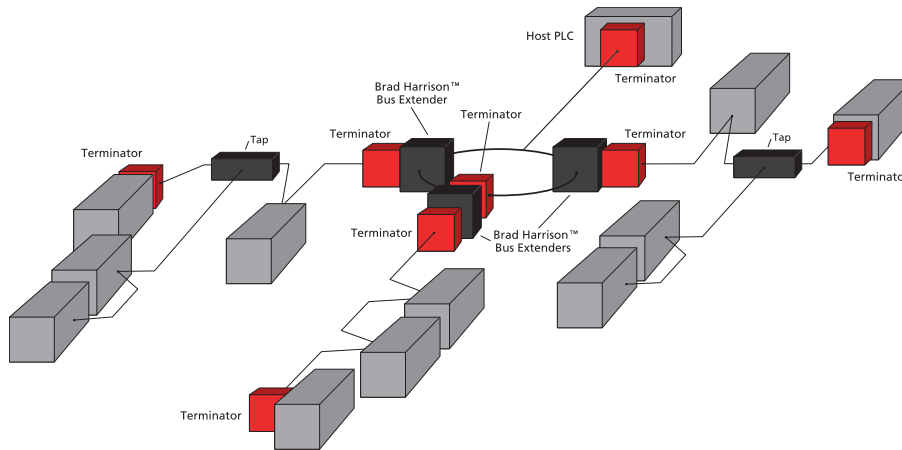


FIG 1

PART NUMBER	DESCRIPTION
DNETEXT-C	DEVICENET EXTENDER

Bus Extenders allow you to configure a variety of DeviceNet topologies

For Network “A” connections use DN10X-MXXX cordset
 For Network “B” connections use DN01X-MXXX cordset

DEVICENET CONFORMANCE: DESIGNED TO CONFORM TO THE ODVA DEVICENET SPECIFICATION VERSION 2.0.
 125K, 250K, 500K, 1M - AUTOMATIC SELECTION

BAUD RATE:

STATUS INDICATORS
 MODULE STATUS: GREEN/RED BI-COLOR LED
 NETWORK A STATUS: GREEN/RED BI-COLOR LED
 NETWORK B STATUS: GREEN/RED BI-COLOR LED
 DIAGNOSTIC DATA: GREEN/RED BI-COLOR LED
 VOLTAGE ISOLATION: 2500 V
 LATENCY: 75US PER EXTENDER

CONNECTIVITY
 LEFT/NETWORK: "A" -MALE MINI-CHANGE
 RIGHT/NETWORK: "B" -FEMALE MINI-CHANGE

MAXIMUM POWER
 VOLTAGE: 11 - 25V DC
 NETWORK A: 140 mA @ 11V DC - 60 mA @ 25V DC
 NETWORK B: 20 mA @ 11 VDC - 10 mA @ 25V DC
 1.8 W
 POWER: POWERED BY 24V DC BUS LINE
 POWER SUPPLY:

MOUNTING
 DEVICENET EXTENDER: PANEL-MOUNT, 4 SCREWS

SIZE
 LENGTH: 5.11" (130 MM)
 DEPTH: 2.27" (57,7 MM)
 HEIGHT: 3.70" (94,0 MM)

ENVIRONMENTAL
 OPERATING TEMP: 32° TO 158° F (0° TO 70 °C)
 HUMIDITY: 0-95% RH, NON-CONDENSING
 PROTECTION: IP65

TOPOLOGY OPTIONS

Extended Drop Lines

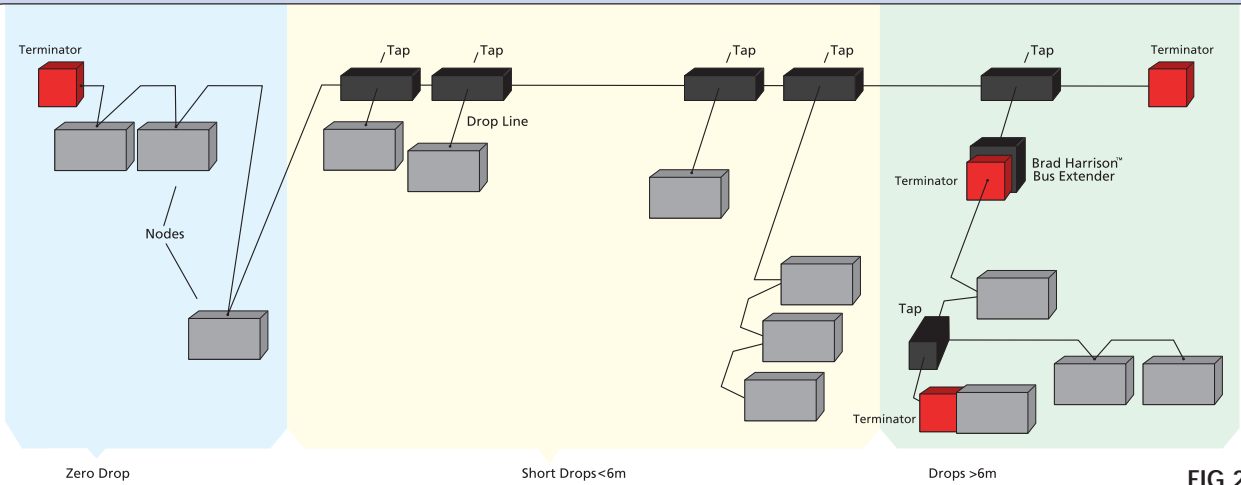


FIG 2

Bus Extenders Allow A Linear Bus To Have Double The Allowable Distance

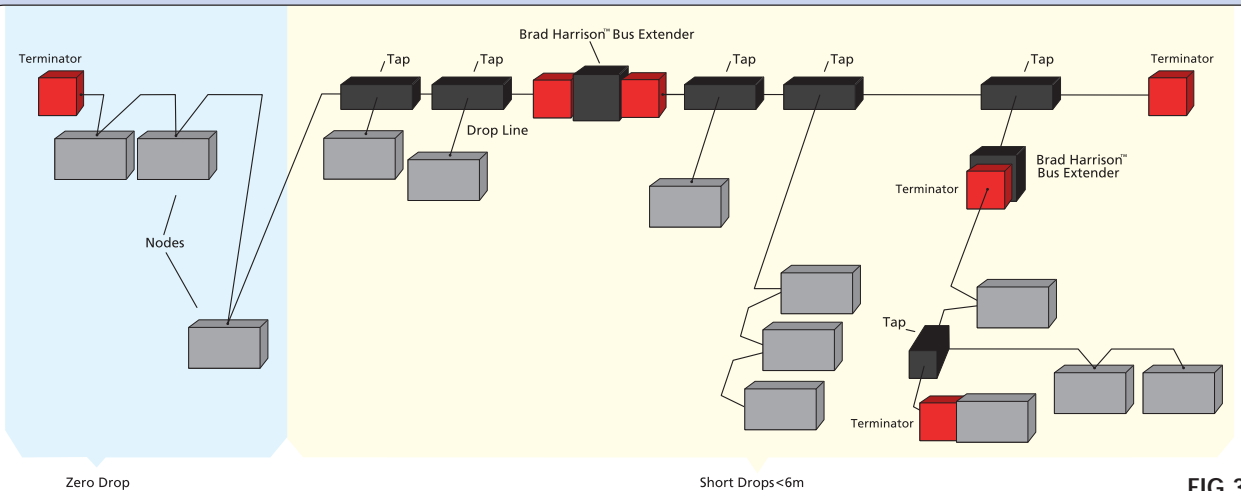


FIG 3