



CONTROLS

3xtend/EINC L/24 Node Controller

Features and Highlights

- Integrates devices running on IQ System current loop LAN, Ethernet, and Lon
- 10/100 Base-T interface
- Eight (8) virtual CNCs for PC connection over Ethernet
- Network alarms available in 10 languages
- Spans routers to allow configuration across IP WANs or multiple subnets.
- Retains configured data in FLASH (no battery required)
- Integrates IQL controllers into IQ System
- Connects to Lon network with IqlTool2 over virtual CNC



The 3xtend node controller acts as an interface between parts of an IQ network running over the IQ System current loop, Ethernet, and Lon. It operates at the internetwork level, including the necessary support for wide area networks (WANs). It also provides virtual Communications Node Controllers (CNCs) that allow supervisory or tool software running on PCs connected to the network to connect to the building automation system.

The 3xtend includes a standard Ethernet 10/100 Base-T connection. Operation on Lon is achieved without the need for any LonWorks network management.

Technical Data

- **Power** 24 VAC +/- 10%, 50/60 Hz, 24 VA.
- **Fuse** PCB is protected by a 6.3 A fast-blow fuse.
- **Memory** 32 Mbyte SDRAM and 8 Mbyte Flash.
- **Connections**

Current loop LAN: 2-part connectors with screw terminals for 14 to 20 AWG cable.

EIA232: RJ11 cross over cable

Ethernet: RJ45 connector, unshielded or shielded twisted pair (UTP or FTP) cable 10 Mbps, 300 feet, 10/100 Base-T.

Supply: 2-part connectors with screw terminals for 14 to 20 AWG cable.

Lon: 2-part connectors with screw terminals for 14 to 20 AWG cable.

SD: SD card slot for SD or MMC cards.

- **Controller Dimensions** 8.94" (227mm) x 8.58" (218mm) x 2.36" (60mm).
- **Environmental** 32–113°F (0–45°C). 0–80% RH, non-condensing (operating); 14–122°F (-10–50°C), 0–90% RH, non-condensing (storage).
- **Ratings** Underwriters Laboratories Listed for Energy Management Equipment under the UL 916 Standard for Safety in U.S. and Canada.

Ordering Information

Item number	Description
882001600	3xtend/EINC L/24 node controller

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