

Q-Mux[™] Node

ADVANTAGES

- Range: 5000 ft. from System 3505 to node; additional 5000 ft. node to ID module
- Addressable and programmable
- Low cost multiplex system
- High noise immunity
- Permits numerous inputs & outputs to share a single pair of wires
- NFP-72 Compliant
- Will work with Systems 3500/3000; verify continued support with factory.

SPECIFICATIONS

Input Power: 10-14.V, 45m A typical

Buss Capacity: 63 modules

Dimensions:
2.75in. x 2.75in. x 1.5in.

Operating Temperature:
32°F-165°F

Operating Humidity: 0-95%, non-condensing

NFPA 72 Compliant



Product Description:

The Q-MUX Node is a microprocessor based central polling controller Buss interface. The Q-MUX Node drives the Multiplex loop, and communicates with the modules along the buss. It communicates with the master controller through serial port communication.

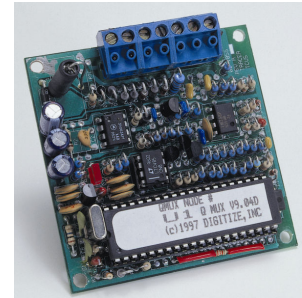
The Q-MUX Node sends commands to, and receives data from, the ID modules. In turn, it sends the data to, and receives commands from, the System 3505. Up to 32 Q-MUX Nodes may be installed in one system. Total wire run from the System 3505 to the last Q-MUX Node is 5,000 ft. with 24 AWG.

Programming:

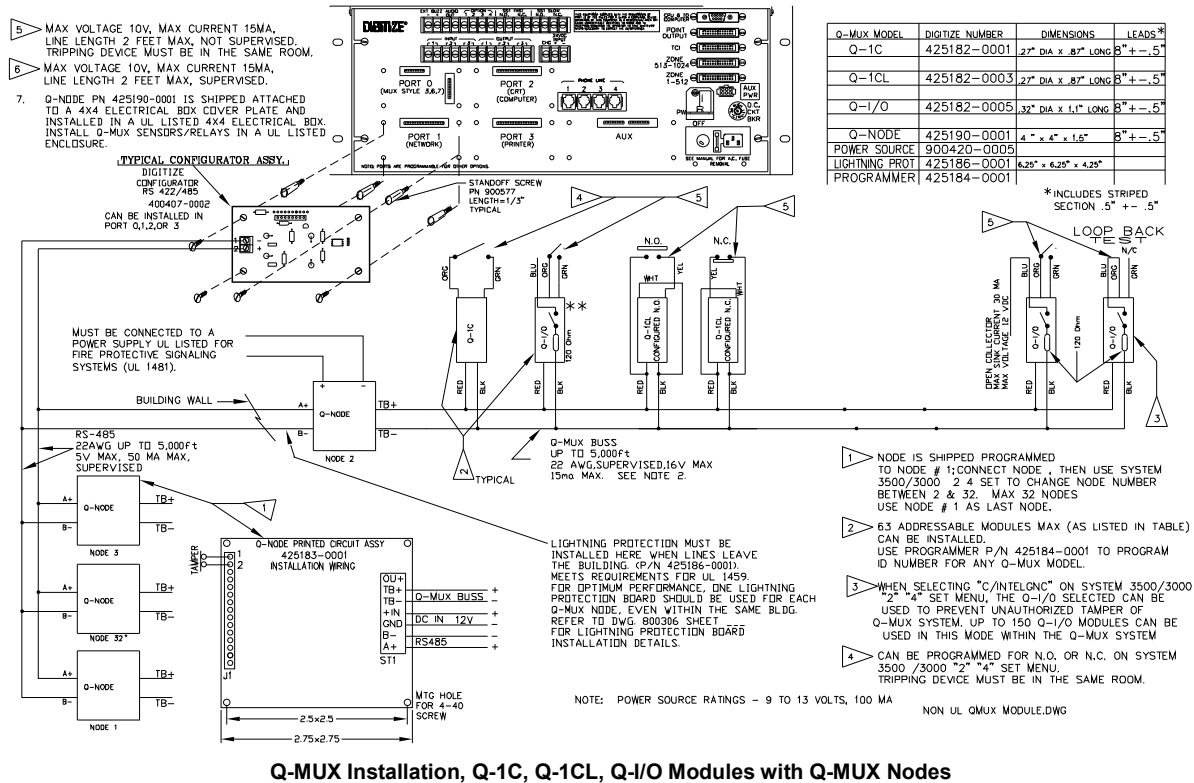
The Q-MUX Node can be set to any address from 1-32. The address is stored internally in an EEPROM. It is shipped pre-programmed to address #1. The System 3505 is used to field program the Q-MUX Node to a different address (using the 24 SET menu). The field should reserve address #1 for use on the last Q-MUX node.

Power:

The Q-MUX Node requires 12 VDC at 45mA to operate.



ADDITIONAL INFORMATION



Q-MUX Installation, Q-1C, Q-1CL, Q-I/O Modules with Q-MUX Nodes

Q-EOL

Addressable module for monitoring dry contact closure. Requires user supplied 1.43 K-ohms resistor for supervision across input contacts. This is the required module for monitoring fire alarm contacts.

Q-1R ID Module

Q-1R Addressable module that provides magnetically latching relay contact output under control of the System 3500/3000 via Q-Mux Node. Relay activation is maintained without power. If Q-Mux system is reset, relay will return to Normal state.

Q-1C

Digital addressable module for monitoring dry contact closure. No EOL resistor required.

Q-I/O

Addressable module that combines features of the Q-1C with an open collector output transistor that may be used to control an indicator LED. No EOL resistor required.

Q-1CL

Latching addressable module for monitoring fast-acting momentary dry contacts. No EOL resistor required.

Q-1A

Analog addressable module for monitoring 4-bit A to D conversion variable resistance inputs. Requires custom program at additional cost.

Consult Distributor or Factory Prior to Ordering.