Premier Quatro Addressable System Network

Description

The Quatro system network has the facility to monitor, indicate and control the functions of a fire alarm installation, thus allowing signals to be distributed around a large site.

The networking is normally wired in a ring using Fireproof Communication Cable. Each panel will need a network card added to the termination board (when using QT-NC). Optionally the network ring can be wired with fibre optic cable (using QT-NC/FP).

The network will accomodate up to 32 nodes. Each node is programmed independantly with one mode chosen to be a master.

The network uses RS 485 data communication. Up to a total network cable length of 10km is possible. All panels will continue to function in stand-alone mode, even if the network fails.

The operation of the network is such that each node has total stand alone capability in that its local operation is not directly affected by its connection to or disconnection from the network. The ability of a local control panel to observe events means that it can be programmed to respond to events elsewhere on the network. The effect of this capability is that any control panel is able to respond to any sensor device connected anywhere on the network. This provides a possible effective 126 loop control panel distributed around a single site as a number of smaller units. Network repeater panels provide the ability to observe and control elements of the network via a compact unit which may be conveniently mounted at manned control points and still provide all essential display and control facilities.

Network communication takes place over a single pair of wires to create a 'Bus' network, or a double pair of wires to create a 'Ring' network (recommended).

QT-GNC

This Gateway Network Card can be used in two instances:

1. A graphic package is added to the system. This card would replace QT-NC card in any one node on the network system.

2. To provide remote viewing for the last 64 events via LAN connection

QT-NC

This network card provides the following:

- RS 485 repeater output

- Serial port for either panel printer or external printer (desk top)

- RS 485 network connection for use with standard network data cable

- Modbus interface and graphical software connection via RS485

QT-NC/FP

This network card provides network connection for use with fibre-optic multi-mode. No printer or repeater out is available with this card.
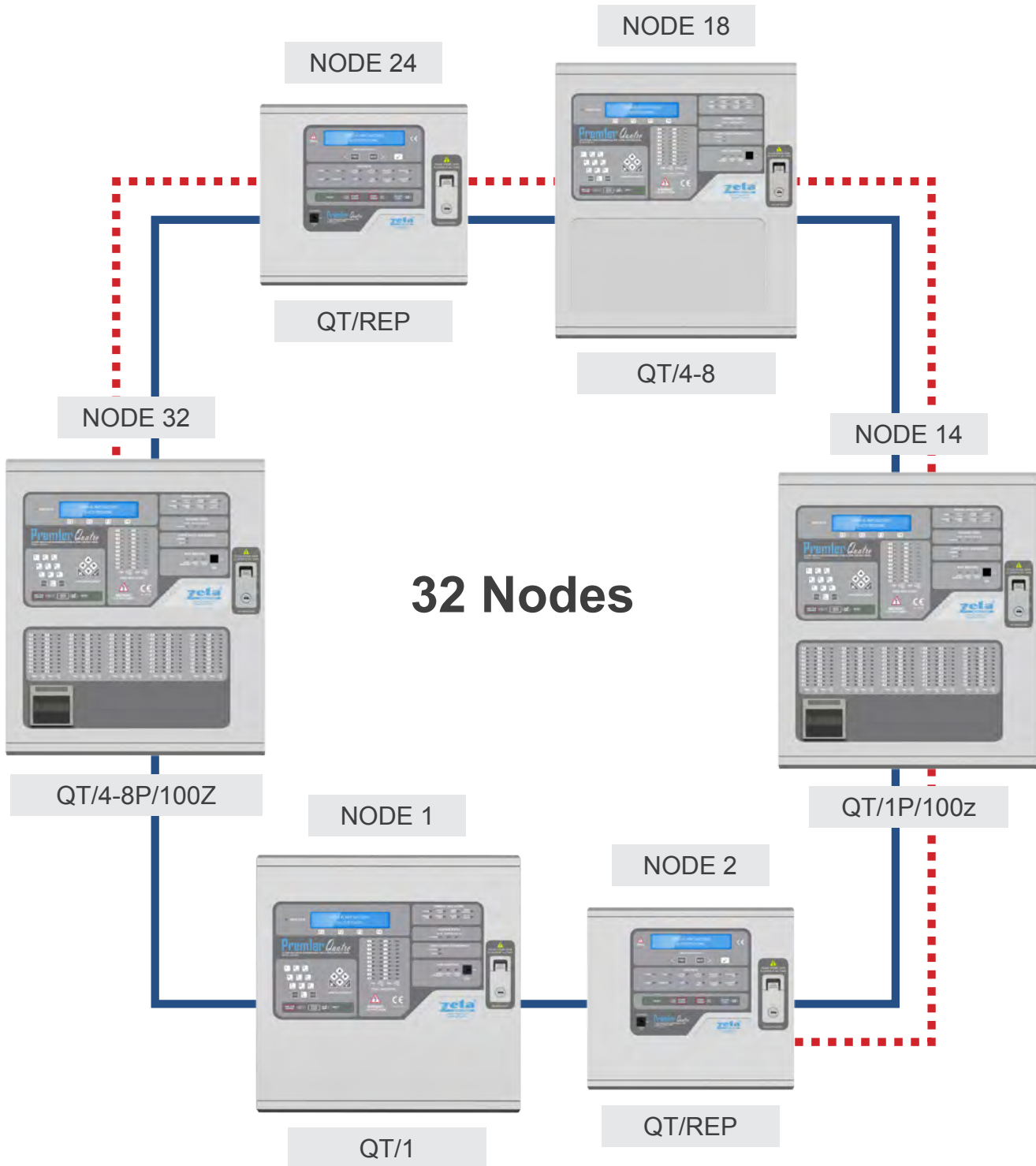

Features

- Peer-to-Peer network wide communication

- Network together Premier Quatro panels and Network repeaters

- Up to 32 panels may be networked together

Technical Specification

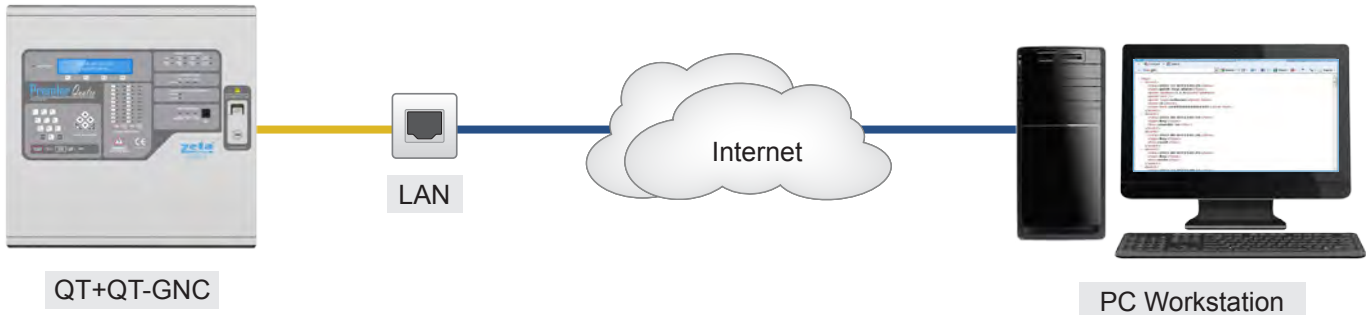| Model	QT-NC	QT-GNC	QT-NC/FP
Part No.	37-510	37-511	37-512
RS485 Network	Yes	Yes	No
Fibre Optic Network	No	No	Yes
TCP/IP Connection	No	Yes	No
RS232 Connection (for printer)	Yes	No	No
Modbus Connection	Yes	No	No

Premier Quatro Typical Network Loop

NODE 18

NODE 24

QT/REP

QT/4-8

NODE 32

32 Nodes

NODE 14

QT/4-8P/100Z

QT/1P/100z

NODE 1

NODE 2

QT/1

QT/REP

—————— Data Cable (Max 10,000m)

- - - - - - Maximum distance between nodes = 1000m

Gateway Network Card

(QT-GNC)

zeta® ALARM SYSTEMS

Description

Further to the network described on page 8, a QT-GNC (special Gateway card) can be used on any ONE Quatro panel (stand alone or part of a network) to provide the facility of connecting that stand alone panel and/or the network through a LAN connection to provide TCP-IP remote viewing on HTM for the last 64 events in that stand alone panel or network.

QT+QT-GNC · LAN · Internet · PC Workstation

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