

Quantec Addressable Call System



WHAT IS QUANTEC?

Quantec represents the biggest breakthrough in call communication equipment for many years.

The way it operates can be tailored to suit a care facility's specific requirements with different day, night and call divert arrangements easily accommodated and, if required, simply changed at a later date.

This flexibility, coupled with many other advanced features such as four different call levels (Including an infrared staff attack facility), built-in datalogging and full monitoring of all network devices, makes Quantec the obvious choice for nursing homes and hospitals alike.

WHY USE QUANTEC?

As care facilities have become larger and more specialised, demand has increased for call systems which operate in more sophisticated ways, i.e. different urgencies of calls, calls shown in different places at different times, etc.

Quantec can meet these requirements very cost-effectively.

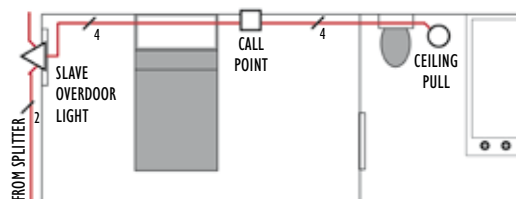
Quantec's call points send notification of a call to the system controller which passes the call only to pre-selected displays and the routing of these calls can be quickly and easily altered at a later date. In order to achieve this level of flexibility and allow the use of ordinary unscreened cable, Quantec utilises a unique data protocol which works down just two wires (power and data). This allows considerable cost savings on installation and means Quantec can be retrofitted to the wiring of many existing conventional call systems. The protocol allows up to 256 addressable devices (displays, call points, etc) to be connected together with virtually any number of ancillary devices such as ceiling pulls and overdoor lights.

WIRING QUANTEC

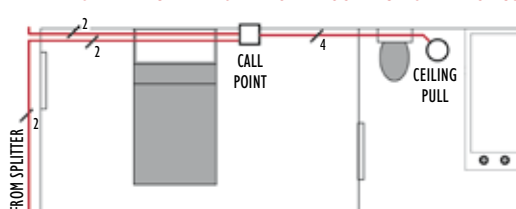
The only recommended method of wiring Quantec involves the use of 'network splitters' (QT603). Network splitters have six fused 'limbs' for the wiring of individual sections of the system and they provide a convenient way of wiring, testing and protecting the system. Each network splitter has one input and one output network connection (both unfused) and six 'limb' outputs that are fused. The unfused connections are for the connection of the network 'Spine' which should normally be wired in at least 1mm² cable (e.g. T&E). No other networked devices should be connected to the spine except network splitters. The fused outputs i.e. 'Limbs' are for the connection of individual circuits containing networked devices. These should be wired in 4-6 core security cable.

- **Multiple call levels**
Standard patient call, help required, emergency and optional infrared staff protection.
- **Flexible call routing**
Quantec can be tailored to suit your exact operational requirements, whatever they may be.
- **Call accept**
Saves valuable time by preventing more than one member of staff responding to the same call.
- **Automatic call divert**
Transfers any unanswered calls to other areas to ensure they are responded to within a pre-determined time.
- **Follow-me lights**
Illuminates overdoor lights and corridor lights in sequence to visually guide staff to the source of a call.
- **Staff presence**
Helps managers, matrons and carers locate their colleagues by showing where they are working.
- **Night mode**
Allows Quantec to work in a totally different way at night, providing for fewer staff/reduced sound levels.
- **Call follower sounders** Informs staff that other calls are waiting by sounding a soft tone in occupied rooms (night mode only, optional).
- **Free built-in datalogger**
Records the date, time, type and location of every call and reset for output to a serial printer.
- **Infrared staff protection**
Optional infrared transmitter protects staff against disturbed patients, intruders and aggressive visitors.
- **Optional paging facilities**
Optional alphanumeric and tone-only paging facilities available for carers on the move.
- **Device monitoring**
Quantec constantly supervises all network devices and informs you of any problems, reducing maintenance times and costs.
- **Laptop programmable system controller**
Allows Quantec to adapt to your changing requirements with no expensive rewiring, no mess and no fuss.
- **Easy to install and expand**
Quantec's 'two wire' protocol makes it ideal for new and established sites where existing wiring can often be utilised.
- **Tried, trusted and respected**
From NHS trusts to renowned nursing home groups, Quantec is specified by some of the UK's most prestigious care providers.

DEVICE WIRING WHEN SLAVE OVERDOOR LIGHTS ARE USED



DEVICE WIRING WHEN SLAVE OVERDOOR LIGHTS ARE NOT USED



Quantec Addressable Call System

Quantec Network Controllers, Displays, Installation Aids

- QT601-2 Quantec controller
- AFP385 Flush bezel for Quantec controller
- QT707 Quantec upload/download PC programming software c/w lead compatible with Windows 95/98/2000/XP
- QT608C Quantec corridor display, with controls
- QT608CD Quantec corridor display, no controls
- QT603 Quantec network splitter



Quantec Overdoor Lights & Sounders

- QT606 Quantec overdoor light
- QT606A Quantec addressable overdoor light
- QT688 Quantec addressable sounder

Quantec QT602 Range Call Points (with remote sockets)

- QT602 Quantec call point, button reset
- QT602S Quantec call point, button reset with sounder
- QT602R Quantec call point, button reset with infra-red receiver
- QT602RS Quantec call point, button reset with sounder and infra-red receiver
- QT602M Quantec call point, magnetic reset
- QT602SM Quantec call point, magnetic reset with sounder
- QT602RM Quantec call point, magnetic reset with infra-red receiver
- QT602RSM Quantec call point, magnetic reset with sounder and infra-red receiver
- QT602D Slave call point

Quantec QT609 Range Call Points (no remote socket)

- QT609 Quantec call point, button reset
- QT609S Quantec call point, button reset with sounder
- QT609R Quantec call point, button reset with infra-red receiver
- QT609RS Quantec call point, button reset with sounder and infra-red receiver n/a
- QT609M Quantec call point, magnetic reset
- QT609SM Quantec call point, magnetic reset with sounder
- QT609RM Quantec call point, magnetic reset with infra-red receiver
- QT609RSM Quantec call point, magnetic reset with sounder and infra-red receiver



Quantec Ceiling Pulls

- QT607 Quantec ceiling pull

Quantec Monitoring Points

- QT604 Quantec monitoring point, button reset
- QT604M Quantec monitoring point, magnetic reset
- NC803M/10 Pack of 10 No. magnetic reset keys
- NC803M/50 Pack of 50 No. magnetic reset keys

Quantec Infra-red Ceiling Receivers

- QT302RX Quantec master infra-red ceiling receiver
- QT302RXS Quantec slave infra-red ceiling receiver
- QT302RT Quantec test infra-red ceiling receiver

Quantec Radio Receivers

- QT422RX Quantec RF radio receiver
- QT422RXEX External extension aerial for QT422RX radio receiver
- QT421 RF Integrity transmitter (monitors the QT422RX)



Quantec Dual-Action Infrared / Radio Transmitters

- QT412RXA IR/RF Transmitter (configured for push for attack/pull for attack)
- QT412RXCA IR/RF Transmitter (configured for push for call/pull for attack)
- QT424/1 Single way battery charger for QT412 range transmitters
- QT424/10 Ten way battery charger for QT412 range transmitters
- QT423 Configurator for QT412 range transmitters
(allows the operation of a QT412 range transmitter to be tailored to suit the requirements of a specific site. Windows 2000/XP compatible)

Quantec Ancillary Calling Devices

Generate standard calls via a call points remote socket

- NC805C/6 1.8m (6ft) tail call lead
- NC805C/14 4.2m (14ft) tail call lead
- NC850D 1.2 - 3.6m (4-12ft) coiled tail call lead
- NC805P Hand/foot pneumatic pad, requires 1 x NC805AS
- NC805AS Remote air switch for NC805P
- NC805MD Portable movement detector
- NC805DSP Double remote jack socket allows two ancillary devices to be connected

Quantec Printers

- QT600P Quantec printer kit, lead & wall socket
- QT600S Quantec printer/paging wall socket

Quantec Paging Equipment

- DP874QA Transmitter for alphanumeric pagers 400m range
- DP876D Display pager aerial, up to 1500m range
- DP876B Mounting bracket for DP876D
- DP876F 15 metre low loss cable, for DP876D
- DP877QA 32 character alphanumeric display pager group A

Note: Quantec commissioning training courses can be arranged, free of charge, for qualifying engineers.

