



Medical[®] 800 Security

Secure communication

Modern cell call systems in prisons, forensic hospitals and police stations are increasingly taking on functions that facilitate the work of the officers, enhance security and improve communication with the inmates.

Cell call systems in the LON[®] security network

DIN/VDE 0834 (as at 1 April 2000) demands a very high standard of security (area of application B) for call systems in prisons. The most important performance features that are required are as follows:

The call system must

- identify and report faults,
- be capable of monitoring itself,
- be able to monitor all means of transmission, call lines and the parts required for making calls as well,
- be fitted with an emergency power supply,
- guarantee that calls are stored in the event of interruptions.

The ZETTLER[®] Medical[®] 800 Security cell call system from Tyco meets all the requirements of this DIN/VDE 0834 in full.

ZETTLER[®] Medical[®] 800 Security

The vandal-resistant cell terminals and operating, display and call combinations are activated via the proven ZETTLER[®] Medical[®] 800 LON[®] network. The advantage of this LON[®] network is its decentralized structure, i.e. no central units of any kind are needed for the security-related parts. The transfer protocol corresponds to the LONTalk[®] protocol from Echelon[®]. Interfaces to external systems such as pager/PNA/DECT systems, telecommunications and intercom systems, fire and burglar alarms, fault indication systems, entertainment sound distribution systems and alarm management systems, IT equipment etc. can be connected at any point in the network.

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Use in psychiatric institutions and forensic hospitals

Extensive solutions can be configured for forensic hospitals and psychiatric institutions by combining devices and functions with the ZETTLER® Medical® 800 call system for hospitals.

Vandal-resistant devices

The vandal-resistant cell terminals have inputs and outputs which can be assigned various functionalities through software configuration, e.g. different call categories, two presence categories, call forwarding, cell light control, light withdrawal activation, socket withdrawal, internal and external sabotage protection etc.

The protective housing made from V2A steel offers the cell signal lights optimal protection against vandalism. This light can optionally be configured with LED display elements.

Wing and central terminals

Depending on how the system is set up, a variety of wing terminals can be installed. One wing display is sufficient for systems without voice communication. For systems with voice communication, there is a choice between compact answer stations and PC-assisted answer stations with a graphic user interface.

The “**mediGraph Security**” organises all call and communication functions in tabular form or as a graphic display with layout plans of the building in the background.

Supplementary software tools such as “**mediPage**” manage pagers of pager/PNA/DECT systems as well as telecommunications systems via telecoms servers.

“**mediLog**” logs all events in the network and stores this log in a database for analysis.

“**mediPers**” manages prisoner details which are then compared using a central IT system.

The wing terminals can be combined into groups, with each wing terminal being able to perform all the functions of the wings in the group. Central terminals take on the organisation, monitoring and functions of connected wings or the entire building.

Organisational structure

In mixed mode the ZETTLER® Medical® 800 Security network can organise up to four areas, each with 15 wings. Internal and external central terminals can control both the entire system or just individual activated wings. The wing terminals can take over any number of wards within the four areas. Up to 8 preconfigured interconnection variants can be selected. Four preconfigured group interconnections are possible within the wings, each of which permits up to 5 groups (combination of cells for more intensive supervision).



For further information on how Tyco can help you, contact your local sales representation or visit us at www.tycofireandsecurity.com

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