

T3SC

Security Communications

for **Correctional Facilities**

telecor™

telecor.com



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The Telecor

T3-SC Security Communication System

is a comprehensive intercom, paging and control system that offers powerful voice communications for the corrections and security market.

With its advanced technology and flexible design, the T3-SC is capable of accommodating the unique needs required of individual facilities, from large **correctional centers** with thousands of cells to smaller facilities such as **jails, detention centers, and courthouses**.

At the heart of the system is the T3-SC Controller, which supports various Consoles for communications and control, and a range of Termination Board Units for the connection of field devices, such as intercom and paging speakers, dry contact devices, contact switches, LEDs and lamps.



Stand-Alone Operation

The T3-SC is an intelligent, fully-operational communication system that does not require an external control system, such as a PLC or PC, to handle any communication functions, including annunciating call-ins, sounding tones, managing communications hardware or tracking call status. Having the intelligence to manage its own communication functions relieves the integrator of complex and time-consuming programming.

Distributed Architecture

Device Termination Boards can be installed in a traditional head-end rack, or remotely distributed throughout secure areas in the facility closer to the field devices. A distributed architecture of Termination Boards achieves significant cost savings through reduced home run wiring, cabling and conduit sizing.

Networking

Up to 250 T3-SC Controllers can be linked together, enabling individual systems to communicate with one another while allowing each Controller to maintain independent operation within its designated location. Network flexibility permits any designated Controller to assume control of other consoles on the system. Controllers are networked using CAT 5 or fiber optic cable.

Multi-Channel Network Communication

Higher network call traffic is supported with multiple simultaneous communication channels. Additional channels are added to the network on a global basis. In this way, any Console can utilize an available network audio channel to communicate with the consoles and stations of other T3-SC systems situated anywhere in the facility.

Multi-Channel Intercom Communication

A T3-SC Controller is able to support multiple intercom audio channels within its own system area of control. Multiple audio channels allow different T3-SC Consoles to conduct simultaneous, non-blocking intercom communication among a shared pool of intercom stations, thereby giving an area the ability to support higher call traffic.

Because Multi-Channel Intercom Communication is based on a distributed architecture (multiple T3-SC Controllers), it also provides the benefit of Redundancy. A single T3-SC Controller or Console failure will not isolate rooms from other Controllers or Consoles, **eliminating the single point of failure** common with centralized intercom systems.

Integration Intelligence

The T3-SC was designed with special consideration given to integration with third-party systems. Integration allows remote Computer Touch Screens or custom Graphic Panels to execute T3-SC functions, or for the T3-SC to control other systems, such as CCTV, Environmental and Door Controls.

The revolutionary protocol used by the T3-SC is adaptable and allows integration to be achieved without any complex programming. The T3-SC is able to receive and accept serial messages in the proprietary format of the third-party PLC system, while in turn messages sent by the T3-SC can be easily modified to suit the third-party system protocol.

An example of functional integration is for the T3-SC to send a serial message to a PLC, instructing it to turn on a CCTV camera when a call-in is initiated from a room.

Consoles

The T3-SC accommodates traditional direct-select consoles, versatile dial-up desktop consoles, custom graphic panels, and touch screens. These consoles can be intermixed within the system, and multiple types can be used in a single control center for redundancy or dual operations.

Telephone System Integration

A facility's KSU or PBX can integrate with the T3-SC to provide communications between telephone instruments and intercom stations and consoles. Administrative staff outside secure areas can access the intercom and paging capabilities of the T3-SC system. In addition, caller-ID Wireless Phones can be interfaced with the system to effectively add mobile consoles for staff.

Wireless Paging

The T3-SC is able to interface with a facility's pocket page system, allowing calls with instructive messages to automatically reach assigned staff members.

Intelligent

Integration

Audio Recording

Audio conducted on the system can be recorded to a PC or digital or analog recorder. This can include audio heard during security monitoring, the audio that occurs during a console and intercom station conversation, and the audio transmitted to a page zone from a console.

Software

The T3-SC Editor is a Windows® based application that allows a T3-SC to be easily configured to a user's requirements and preferences. Using the Editor's tree-view control, which displays items in a hierarchic order, the system programmer can quickly find and select the items that are applicable in configuring a system. The software also features the ability to adjust the frequency, volume level, and compressor (AGC) setting of individual rooms in real time, eliminating the costly need to re-tap speakers.

