



Safety in Enforcement and Forensic Facilities
Communication solutions for high-security areas

Information and communication for more safety



Fulfillment of special duty of care gives rise to demanding tasks, particularly for locked facilities. For instance, restriction of the freedom of movement and the coexistence of persons with different degrees of education and personality structures in small spaces can often lead to tension. The personnel not only have to maintain security and order, but must also guarantee appropriate care.

This demanding work situation is intensified by the increasing pressure of costs and shortage of personnel. High utilization numbers additionally heighten the risk of physical and psychological violence. All those involved are equally confronted with this danger.

The quick and secure flow of information is therefore one main factor for safety. Both the detention area and the meeting areas must be equipped in such a way that any possible danger can be recognized early or that the concerned persons in each case can report it and request help.

What especially characterizes communication systems in high-security areas is the great danger the callers are put in if calls or alarms are not signaled or malfunctions are not recognized in time as a consequence of system failures. Being security-risk facilities, they fall under the DIN VDE 0834 standard.

Tamper-proof and protected from vandalism: clino System 99 protect

The System 99 protect is based on the proven clino System 99. This communication solution has been adapted for use in security-risk facilities and has been complemented with additional functions which take into consideration the specific safeguarding requirements of locked facilities. Among other things, this includes the emergency call for presence-time exceed-

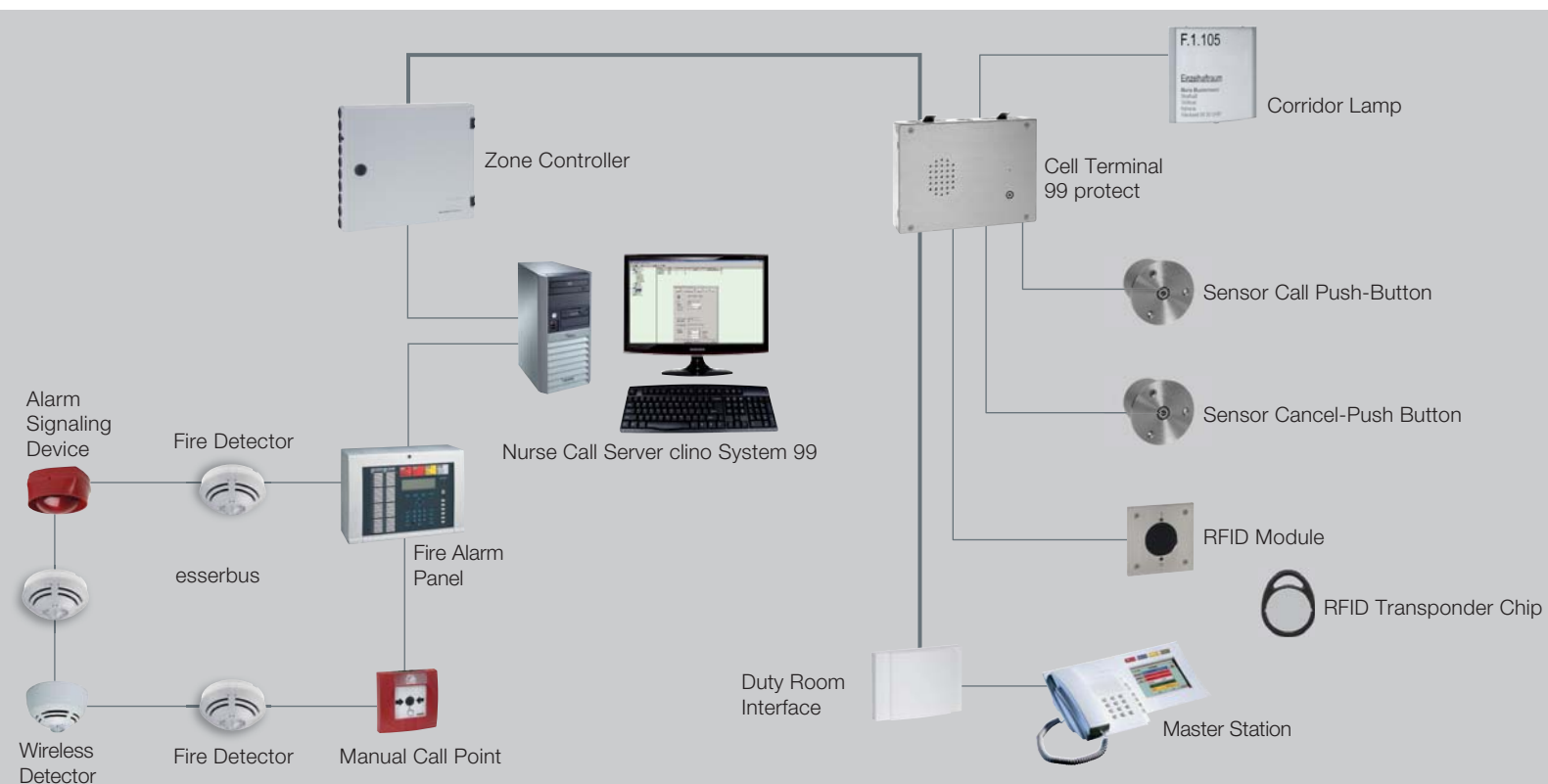
dance, case by case switching from free duplex operation to one-sided half-duplex operation, automatic call reset (logged call suppression) and the secured and logged cancellation of eavesdropping protection. Next to its functionality, the robust, vandalism-proof product design also fulfills the requirements of security-sensitive areas.

Special functional features:

- Personnel emergency call (automatic alarm triggering when stay time has been exceeded)
- Call revocation in the case of misuse (calls are also logged after activation)
- Collective announcements in pre-selectable areas
- Half-duplex operation with controllable speech direction
- Cancellation of eavesdropping protection with password
- Connectable GSM detector for cell-phone location

Areas of application:

- Correctional facilities
- Forensic facilities / clinics
- Detention rooms
- Psychiatric institutions
- Freely accessible areas with high safety requirements (e.g. can be used as a door communication system)



The System Components



Cell terminal 99 protect

The terminal is the central control unit for the functions within the custody room and is used for call actuation. Conversations can be held in free duplex operation or announcements can be received via the built-in loud-speaker and microphone. The cell terminal 99 protect consists of high-grade steel housing with integrated electronics and allows the connection of sensor buttons (call and cancellation units) as well as corridor lamps.



Master station clino System 99

The master station is the central display and retrieval unit in the duty room and is used for the interconnection of zones and an operating panel for announcements. The graphic display with touch-sensitive surface (touch screen) offers a clear representation of all incidents and facilitates operation through its clearly arranged menu structure.



Vandalism protected RFID module

for touchless presence marking and call disconnection. Depending on the situation, two presence profiles can be activated:

Profile (presence) 1

for the presumably safe custody room visit

Profile (presence) 2

with automatic alarm triggering if the presence time in critical areas is exceeded



Sensor push-button (available as a call or cancel push-button)

The sensor push-button is used for call triggering or call cancellation. It is especially robust thanks to a 4 mm brass-front panel. A built-in case additionally allows flush-plaster installation. Also, the push-button is equipped with an LED orientation lamp and a reassurance lamp.



RFID transponder chip

Presences can be activated and canceled with the RFID transponder chip. After activation the call will be canceled automatically.



Corridor lamp CL 420J

Name plate with integrated corridor lamp with LED technology for clino System 99 protect. The plexiglas plate (above/below) and name plate can only be removed and changed by personnel.



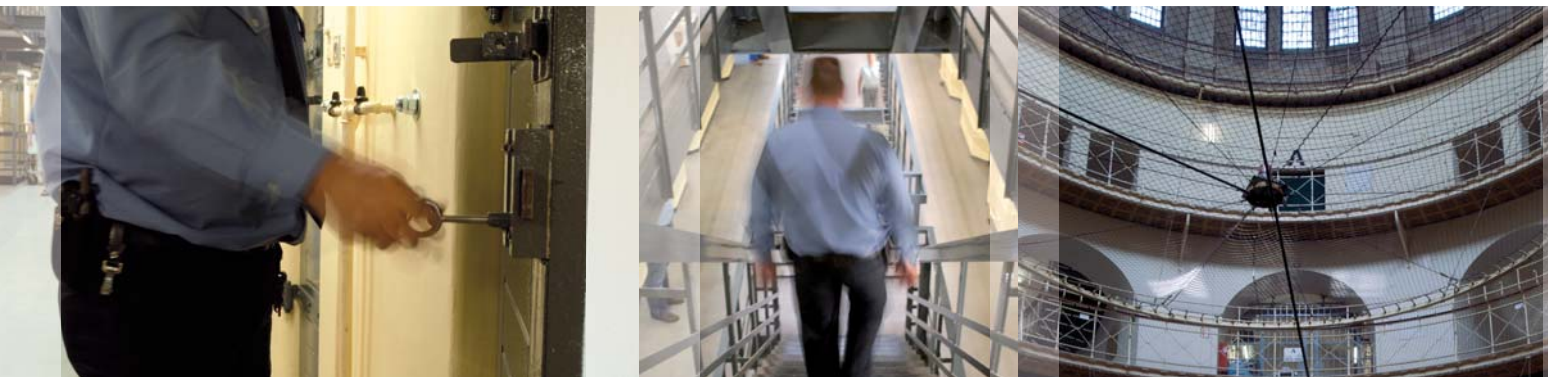
Nurse call server clino System 99

The configuration, display, operation and logging in the system occur via the call nurse call server. It additionally offers those with authorized user-rights access to configuration parameters.

Focus on people



Call systems for public-health-service facilities



Communication solutions for security-risk facilities

Communication solutions for a wide range of application areas

Safety is a tradition with Ackermann clino: Hospitals and care facilities have put their trust in the market leader for more than 40 years. Ackermann clino stands for high-quality communication solutions with innovative call systems. These include classic call systems for facilities of all sizes and cross-discipline systems with integrated building and hazard management as well as communication systems for hazardous areas.

Maximum safety, economic efficiency and user-friendliness are all indicative for Ackermann clino communication systems. The modular system design guarantees high flexibility for demand-oriented solutions. Furthermore, diverse system inter-

faces offer the possibility of coupling and integrating different disciplines, such as fire detection technology, hazard management systems, voice alarm systems and similar security-risk disciplines. User-friendly and updatable software also facilitates long-term, inexpensive use of the Ackermann clino systems. Long-standing experience and industrial manufacturing are the basis for the highest level of product quality.

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