



Police

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Operation perfect

„The police, your friend and helper!“ This slogan covers a complex and ample range of tasks for the police. They have to be continuously available for citizens and have to be present in all areas, but without being noticed. They must effectively prevent criminal offences and in case of need must counteract them quickly and efficiently. They have to respond to each challenge as soon as possible with adequate means. Here, perfect communication technology plays a decisive role. Emergency Intercom by Commend offers the platform for the simultaneous use of all communication and command systems.



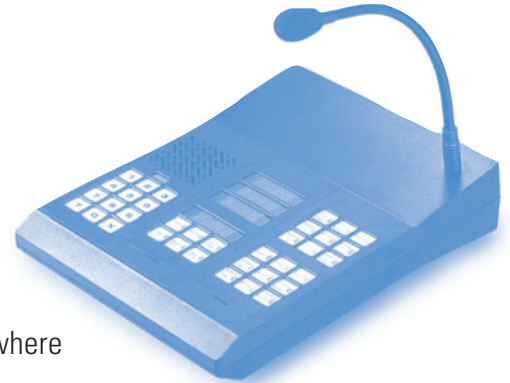
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Applications and advantages



Police station, central police authority, police headquarters – everywhere a communication system must fulfil the same tasks: perfect internal communication and at the same time safety for human beings and material assets. However, these safety measures must go unnoticed and not strike the eye so as not to make people who visit the police feel „supervised“. Emergency Intercom by Commend will cover all those requirements. It is quick, easy and simple to operate. All areas and safety facilities are controlled from one central control room, like the complete building facilities, protective custody area, the chamber of arms and custody rooms, locker rooms, vehicle yard and the garages. Similarly, the police radio and internal search and call functions are also integrated in the Emergency Intercom system. In other words: one single system for all communication and safety facilities.

Applications

- 1 → Access control at all doors, gates and entrances
- 2 → PA for yards, garages and corridors
- 3 → Control of security doors incl. intercom connection via counter intercom systems
- 4 → Monitoring of the custody area
- 5 → Integration of the cell call
- 6 → Alerting of the task forces
- 7 → Controlling and monitoring of the facility / operating installations
- 8 → Listening to and talking in the two-way radio system
- 9 → Integration of the administrative areas in the communication network
- 10 → Monitoring of sensitive areas such as chamber of arms, custody room etc.

Advantages

- 1 → One system for everything!
- 2 → Easy integration in existing structures
- 3 → Wire-saving technology due to network topology
- 4 → Simple to retrofit or to upgrade at a later date
- 5 → Excellent speech understandability
- 6 → User friendly operator interface
- 7 → Backup system for the PABX/telephone system
- 8 → Networking with auxiliary systems possible
- 9 → Proven technology widely used in police and fire brigades



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The system

The central point and focus of a police station is the control desk for the head of group. In major organisations such as the central police authorities or police headquarters, the control desk generally becomes an operation desk which may assume various tasks. Frequently with major central police authorities or headquarters, tasks are distributed to various workstations so that „monitoring tasks“ such as access control (gate functions) and „emergency management“ are separated.



Hard facts

The control desk is the ideal additional facility for the control room. For each application an optimum user interface for very different features is set up via various button modules which are connected via a wire-saving bus technology.

Soft facts

•••• The security doors.

The security door, which generally can be seen from the monitoring desk, can be addressed via a specific security door intercom system. This is carried out as 2-way intercom system. By simply pressing a button on the control desk panel the safety zone can be opened and locked. A software program will ensure that the security door is locked.

•••• Door calls.

Installed at entrance doors or vehicles doors by pushing a button at the intercom station. The call is made visible and audible in the police station. The call is received via return button, talking is in two-way intercom mode. Door or gate release is realized through a simple push of a button. If an access control for the staff is integrated, opening a door or a gate is displayed and the status of the gate is communicated. Calls of non-authorized persons or manipulations at the door intercom stations will automatically cause an alarm call and the corresponding video camera will be switched on.

•••• Radio integration.

The police radio is integrated in the Intercom-system via radio interfaces. Thus, it is possible to program all assignments of workstations. The active channels are displayed at the control desk, talking into the respective radio channel is possible through a simple push of a button. At one station at the Intercom device it is possible to switch into a „listening“ mode and, according to authorization, talking is possible. Thus, at any workstation a working group or service group may be created. If radio relays are used, chime signal 1 or 2 may be activated during a conversation by a simple push of a button.

•••• Cell calls.

In the custody cells specific vandal-proof flush-mounted intercom stations are installed. The cell call to the control station and the light control of the cell is operated via these intercom stations. In case the presence of a warden is activated, a manual emergency call of the warden is also triggered by the cell intercom device. If required, the control lamp can be controlled as a cell indicator above the cell door or a video supervision camera can be switched on. On the control desk device in the station the cell call and the emergency call by the warden is displayed with different priority via a button / lamp and/or display. Accepting the call by means of a return button will establish the connection and process the call.



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The Security Network

The network comprises telecommunication, radio connection and facility installations as well as cell alarm, emergency call by a warden from the custody area, all status messages from the custody room, chamber of arms, security doors and the necessary video surveillance images. The head of the group may intervene actively in the door and gate control, lighting control, PA system, the CCTV system, the intercom system and the alarm system.

Soft facts (cont'd)

•••• Emergency call of official.

After activating „police presence“, every push of the cell call button is considered an emergency call of a warden and it is displayed on the station control desk with higher priority. At the same time the cell lamp at the cell door will flash. The emergency call of a warden can be cancelled only at the cell. If the presence is not cancelled within a certain period, the emergency call of a warden is activated automatically. The emergency call of a warden can lead to an alarm message informing other colleagues.

Option: The entire interface of the cell terminal can be activated to trigger an alarm. Whenever the „police presence“ is activated, the room can be monitored acoustically to trigger an alarm by shouting loudly, if required.

•••• Loudspeaker, PA system.

The integrated loudspeaker system assumes PA of the halls, corridors, specific rooms and the outdoor areas. The building may be divided into different independent loudspeaker circuits which can be arranged in group or collective calls with single or several intercom devices.

•••• CCTV Control.

Different video cameras can be assigned automatically or manually from the station control desk / emergency operation control desk and switched on for the purpose of observation. Here it is possible to

distinguish between event and observation monitors. When observation monitors are used, recent events overwrite an observation image.

•••• Emergency lift call.

In major buildings with lifts (e.g. headquarters or central offices) the emergency lift call is taken over by the Intercom system according to the directives of the European standard „EN 81“ and transmitted to the police station or the emergency operation or squad leader. Emergency calls from lifts or from specific emergency call devices always have top priority internally. Having received an emergency call at the control desk, a conversation is possible and a toggle function immediately informs first-aid staff.

•••• Status and failure messages.

Any status or failure messages from external systems or from doors, locks, etc. are entered via potential-free input contacts and displayed in different priority and value at the police station or emergency control desk. Non-authorized opening of the chamber of arms or custody room, non-closed or non-locked doors are shown as an alarm and also documented, if requested. Failures resulting from the house system, such as line failure, short circuit or failure of a network connection are also displayed at the control desk as an error / failure.

•••• Networking.

Particularly small police stations are often manned only at certain periods. To assist citizens „around the clock“, door intercom stations or emergency intercom stations may be transmitted, at the push of a button, to major police stations. ISDN, analogue telephone-interfaces and network interfaces for beam wave guide, 2-wire copper lines, an E1-basis or LAN/WAN are available as networking and transmission media.



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Schematic drawing

