



Safety in Schools

Alarm and Communication in
an integral Security Concept



N-8000 IP-Intercom System

Safety Concept for Schools



TOA secures school

TOA is committed to the Safety of schools and the education markets in case of any emergency situation or incidents that may arise in a precise and efficient manner. Emergencies can be informed immediately to a central operator, within or external to the building and measures can be initiated immediately

Using a TOA Alarm- and Communication System you have the ideal protection for students and teachers alike, based on a seamless communication chain in accordance with the safety measures for AMOK protection. This is achieved by communication between classrooms and principal offices.

Understanding that other utilities and services are necessary, TOA's Alarm and communication system can interface to existing systems offering additional benefits and advantages for daily communications, besides emergencies only.

This latest state of the art technology, designed for the modern school of today, is flexible and expandable; ensuring that you're investment is future proof.

TOA, sound without compromise.



Precaution: Alarm- and Communication System



TOA has developed a Safety Concept for schools targeting:

- Risk/Emergency cases can be informed immediately at a central point
- Permanent availability of the called person
- Conversation to and from the classroom
- Avoiding false alarms
- Supporting-/Safety Measures will be initiated immediately
- Students and teachers will be informed, therefore protected in all emergency cases: immediately and in a secured situation
- Easy to use and effective communication
- Supports the action plan in all phases of an emergency or amok situation
- Different configurations and expansion stages allow an adaption with economic requirements

Risks



- Amok
- Fire
- Accident
- Bomb Scare
- Bodily Harm
- Violence
- Burglary
- Severe Weather

Risks and problems can be foreseen but not when they commence. This is where the TOA safety concept sets new standards in the organization by immediate alarm notification, verification of the situation and initiation of immediate measures.

Informing and Verifying a Problem



A Problem can be immediately informed

Via Substations, installed in each classroom, a problem can be immediately informed to the central operator. The teacher must not leave the classroom and his students, to inform a problem. Therefore valuable time is saved. In case of an absence of the central operator the calls can be forwarded to the director or housekeeper.



Verification of the situation



Thanks to talk-back function it is possible to verify a situation. By way of conversation it is possible to verify the situation and take the appropriate actions. Thereby false alarms can be avoided.



Permanent Availability



In case of absence of the operator, the calls can be forwarded to a telephone, e.g. an „Emergency Mobile.“



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Emergency Measures: initiated/coordinated from central location

Call external help:

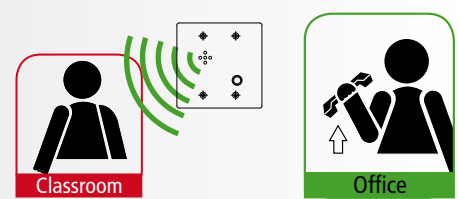
- Police
- Fire Brigade
- Ambulance

Internal Measures:

- Send Assistance
- Inform the concerned persons
- Inform code of behaviour

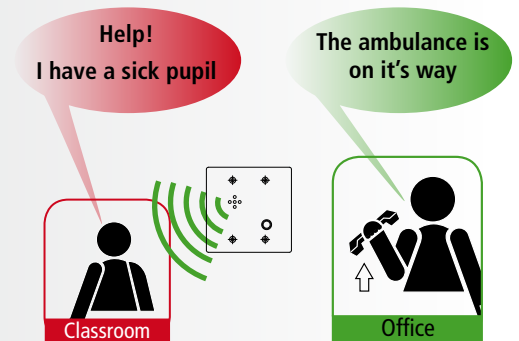
Send personal assistance!

In the event of an incident that needs attention the teacher can call for assistance.



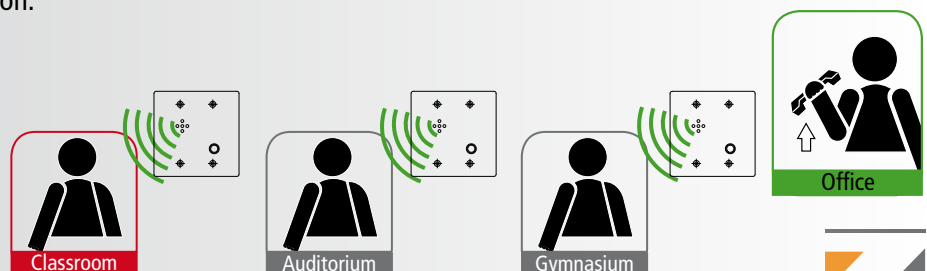
Call: Police / Fire brigade / Ambulance!

Information can be relayed between the support team and the classroom at any given time, ensuring confidence and clear instruction on what to do.



Group Calls, All Call

Broadcast the Code of Behavior to students and teachers
e.g.: Lock doors and windows and wait for further instruction.

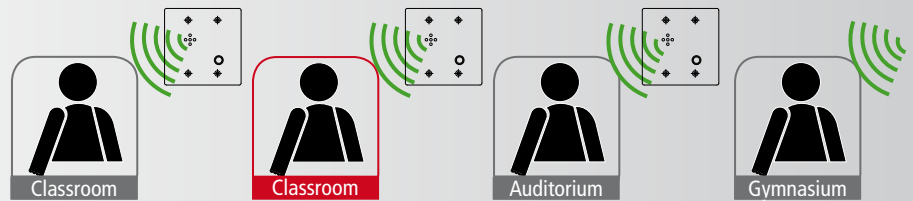
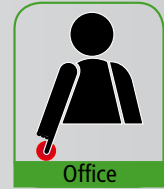


Activate automatic message via key press



Activate automatic message via key press

e.g.: Fire Alarm - Evacuation
Amok Alarm - Barricade
Threat- Hidden Message.



Communication/briefing via telephone



Even during the approach, the Police / Fire Brigade / Ambulance can:

- perform announcements/code of behavior
- communicate with concerned persons or authority.



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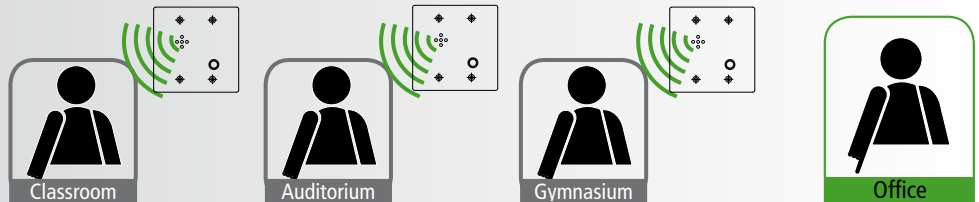
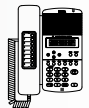


More Safety Features / School Features

Activating automatic message from the affected classroom



e.g. message:
We have a problem in classroom A.



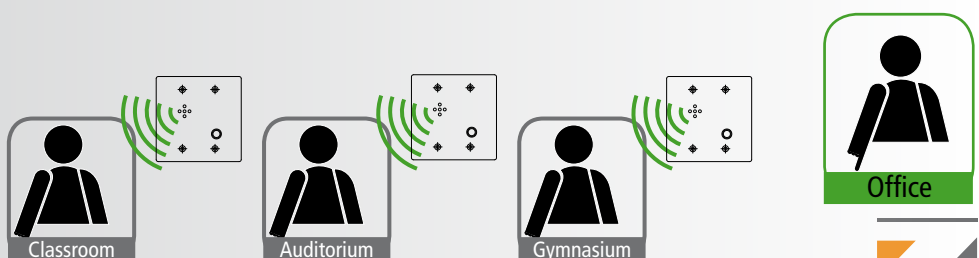
Automatic activation of a call, contact (e.g. CCTV), activated via predefined sound pressure level.



Time Signal integrated



- Program up to 1024 events, divisible in 16 schemes.
- 5 pre-installed time signals.
- Controlling the schemes via Master Station.



More features of the Alarm- and Communication System



- Network-compatible Units
 - Decentralised configuration and assembling made possible
 - Linking-up different schools via Internet
- Wide range of Intercom Stations
- Good speech quality
- Hands-free, even at long high distances is possible
- Line monitoring in case of 2-wire and IP-Stations possible
- Recording option in regards to conversations and announcements
- Server-less system, therefore high safeguarding against failure
- Optional emergency power supply
- Future Investment: Flexible and expandable

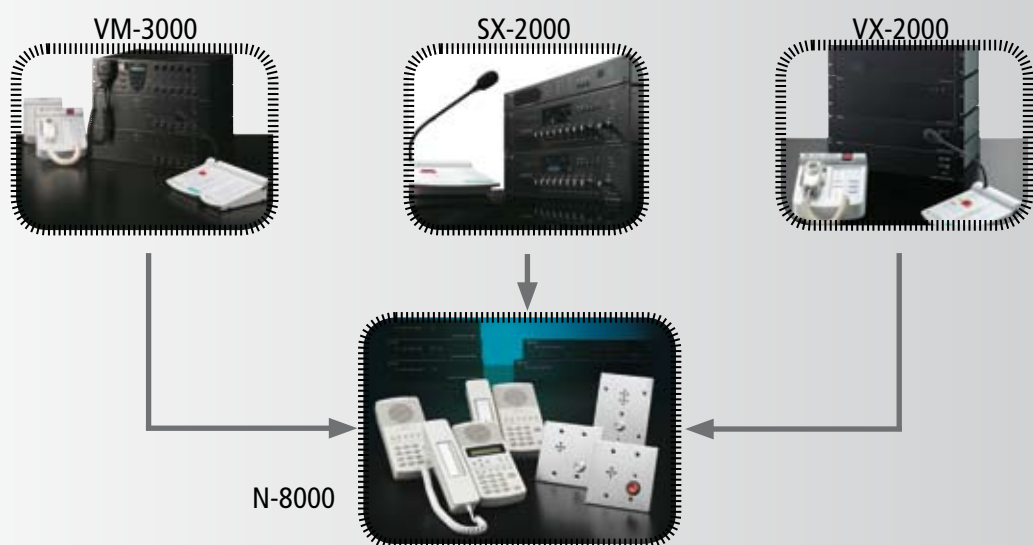


System enhancement via further components according to:

- EN 60849
- VDE-0833-4
- EN 54-4, EN 54-16, EN 54-24



The TOA N-8000 system is a perfect partner for one of our approved and certified Voice Alarm Systems that will allow simple and easy interface between the two units giving ultimate protection and safety with additional benefits such as public address and announcements, plus much more.



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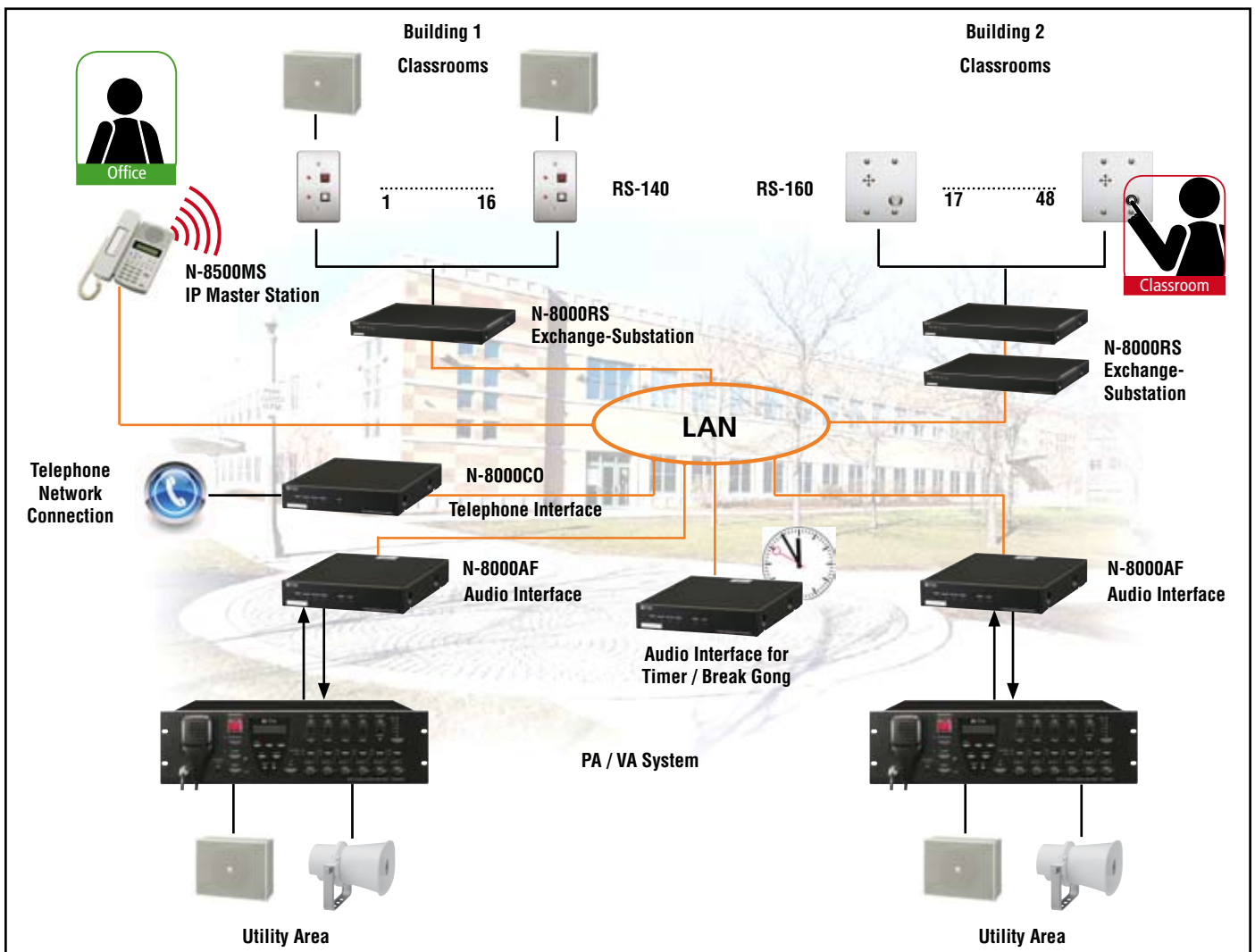
References:

- Elementary Schools
- Secondary Schools
- Special Schools

- Comprehensive Schools
- Public Schools
- High Schools

Please ask for detailed references!

Application Example



Human Society with
Sound & Communication



TOA Electronics Europe
www.toa.eu

If you have an interest in any of our safety systems and would like some help or assistance, we would be only too happy to discuss with you free of charge and without any obligation.