MoLaRi

Early Warning – Public Alarm Siren

The real purpose of monitoring dangerous activities or environment parameters and detecting any dangerous situation is to protect the people living or working in the affected areas, therefore it is essential to equip the monitoring system with an integrated early warning solution.

One of the most generally usable early warning technology is to use a public alarm system formed by electronic sirens installed in the endangered areas (e.g. the settlements around a factory or along the seaside, or even in the factories themselves).

Siren locations

The location of the sirens has to be carefully designed to ensure that the largest area is covered so that the people would hear the notifications while keeping the necessary siren station the minimum to save economic sources.

Our people have a unique knowledge and experience in acoustically design public alarm systems in industrial areas and settlements from small villages to cities.

The sirens have to be installed above the building level to ensure sound propagation therefor the sirens come in the following installation forms:

Standalone pole
Flat roof
Individual design (e.g. tent roof)

Remote Control

The Control Room application enables the supervisor personnel to remote control the siren in full extent:

Remote monitor the status of the sirens – to be sure they are operable	
Issuing siren commands	single mode pre-defined group mode custom group mode

Notifications

The sirens can broadcast several types of notifications either by remote control or most of the by local operation too.

Pre-defined signals	Programmable dual-tone signal generation
Pre-defined speech stored in the siren	Up to 9 speech notifications Up to 15 minutes of stored speech
Pre-defined speech stored in the Control Room Application	Practically unlimited number of notifications Up to 4 minutes length per notification
Live speech	Transmitted from the workstation microphone

Notification broadcasting

The sirens have a modular design to have flexible output power:

Electronic power	Sound pressure	Electronic power	Sound pressure
300W	103dBa / 30m	1200W	103dBa / 30m
600W	103dBa / 30m	1500W	103dBa / 30m
900W	103dBa / 30m		

The sirens can be installed to have 360° circle sound propagation or turning the horns to one direction resulting in elliptical sound propagation characteristics.

Potentials

The system – thanks to its flexible design – optionally equipped with other controlled devices (e.g. energetic or traffic control) is ready to be adopted to several other remote control applications.

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