

Products & Solutions

Overview *Product Catalog*

Siren System – EL3000

The EL3000 is a high-powered electronic siren that provides notification warnings in states of emergency. It can be used for real-time transmission of voice messages as well as broadcasts of all types of audio messages. The EL3000 sirens interface with external systems, such as weather stations, chemical, biological, and radioactive contamination sensors, water-level gauges, as well as control elements of road traffic signaling systems. The volume of the EL siren family ranges between 300W-3000W. In order to interact with its environment the EL3000 electronic siren contains several interfaces, such as: RS232, LAN (TCP/ IP) etc. Supplementary modules include Wi-Fi, GSM/GPRS, radio control, POCSAG, RDS, satellite, etc.

Mobile Siren System – EL-M

The EL-M is high-powered mobile electronic siren used as a portable field notification unit. It can operate as an autonomously-controlled standalone alert system, notifying the public about threats related to floods, dangerous weather conditions, industrial accidents, terrorism, etc. In addition to its alert function, the EL-M is used for informational purposes during a crisis (evacuation instructions) and during times of peace (public service announcements). The EL-M system is supplied as a fully self-contained and ruggedized trailer. The main advantages of this siren are ease of mobility and immediate activation when necessary. The EL-M system includes all features existing in the EL 3000 siren.

Trapped Person Locator – TPL 310D

The TPL 310D leads rescue teams quickly and efficiently to the victim, saving precious minutes of fruitless searching. It detects vibration or movement from trapped people above and below ground, and locates them. Typical applications include detecting and pinpointing the location of trapped persons in camera is to which there is no normal access, like collapsed buildings and terrain, caused by natural or manmade disasters.

Closed Circuit TV (CCTV) – TPL D/V.S

The TPL D/V.S complements the TPL 310D. It enables the operator to see persons trapped under ruins by use of a special electronic camera, which is inserted into crevices and/or holes to reach problematic locations. Its search camera is used to visually locate and communicate with people under ruins in confined spaces. A variety of cameras interface with the system.



Hand Held Metal / Weapons Detectors – HHMD

These compact, portable and easy-to-carry are used to detect weapons and other metal items hidden on the human body and in packages. The HHMD series has several alarms options, such as audible alarm, visual, vibration and with headphones. The detectors have extended battery life. Optional accessories include: kit with pouch, measurable detector sensitivity and charger for 8 HHMD.



Mine Detector – 605H

The reliable and consistent 605H uses highly-sensitive metal detector (MD) technology to detect all kinds of metal mines and objects buried in the ground, such as anti-personnel (AP) and anti-tank (AT) mines. The system maintains this level of performance across all environmental conditions and soil types.



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Tsunami Warning System

This system, which uses the ELPAM EL3000 high-powered electronic siren, provides acoustic warning in states of outdoor emergency, such as tsunamis. The system is equipped with high sensitivity sensors located at strategic locations. These sensors send their readings to sophisticated analyzing software that is able to discern a real tsunami risk, sending a signal immediately to the different points according to the system structure. The solution includes monitoring, detection, warning and audio broadcasts. In addition to the local sensors, the ELPAM siren systems can integrate with international (NOAA or NWS) and regional monitoring systems as well.



Earthquake Early Warning System

This system, which uses the ELPAM EL3000 high-powered electronic siren, provides acoustic early warning in states of outdoor emergency, such as earthquakes. The solution includes monitoring, detection, warning and audio broadcasts. Using seismic detection systems, short-term alerts are generated before the actual arrival of the destructive tremors, allowing time to prepare and perform emergency operations. In addition to the local sensors, the ELPAM siren systems can integrate with international (NOAA or NWS) and regional monitoring systems as well.



Nuclear, Biological and Chemical Threat Early Warning System This system, which uses the ELPAM EL3000 high-powered electronic siren, provides acoustic early warning in states of emergency, such as threat of nuclear, biological or chemical outbreak. The solution includes monitoring, detection, warning and audio broadcasts. In the event of an emergency, these systems deliver a warning message to all residents in the threatened areas.



Volcanic Eruption Warning System

Volcanic eruptions can be predicted by this system, which monitors seismic activity and recognizes increased levels of Sulphur dioxide and decreased pressure of magma as it nears the surface. When there is an imminent threat of a volcanic eruption, the system sounds a siren and broadcasts an advisory to residents to take immediate safety precautions. The solution includes both the sensors and the siren systems. Monitoring and detection can be performed through a national or local network of sensors that are connected to the siren system.



Flood Early-Warning Systems

This system monitors the water level of the relevant river at different points, 24 hours a day, 365 days a year. The system can identify an increase or decrease in water level and flow rate of the river. That information is sent in real time to a central command controller, typically the entity charged with prevention and management of local disasters, which will activate sirens to alert communities living near the river bank. The sirens and audio broadcasts can reach communities at distances of up to a five-mile radius. Broadcast warnings should be provided in English as well as the local language.



Landslides & Snow Avalanches Early Warning and Monitoring System

This comprehensive system can be installed in hazardous areas to detect avalanches, warn approaching motorists, and alert maintenance personnel working in the area. Comprised of a sensor assembly, a radio communication system and a controller, the system is installed on automatic weather stations and in danger zones. Alarms are transmitted via radio, Internet, outdoor siren system, SMS or modem by phone call. Monitoring and detection can be performed through a national or local network of sensors that are connected to a siren system.



Trapped Miners Locator System

A pre-installed system, which can be used both above and below ground, makes it easier to find out if miners are alive after a collapse and pinpoint their location. Using an existing seismic sensor system, this solution detects signaling from the trapped miners when they knock on the wall or support of an excavation with a hammer or similar-sized object. The vibrations are then detected by the pre-existing seismic sensor monitoring system inside the mine. The patterns of seismic waves picked up by the seismic sensors are analyzed by the system to pinpoint the miners location



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