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HIGH POWER OUTDOOR ELECTRONIC SIRENS

INTRODUCTION

This range of high power electronic warning sirens has been designed to satisfy warning and notification requirements for:

- Military facilities - mass alerting.
- Industrial warning and evacuation.
- Large area warning systems for Civil Defense.
- Flood warning and Tsunami alert.
- Public Address System

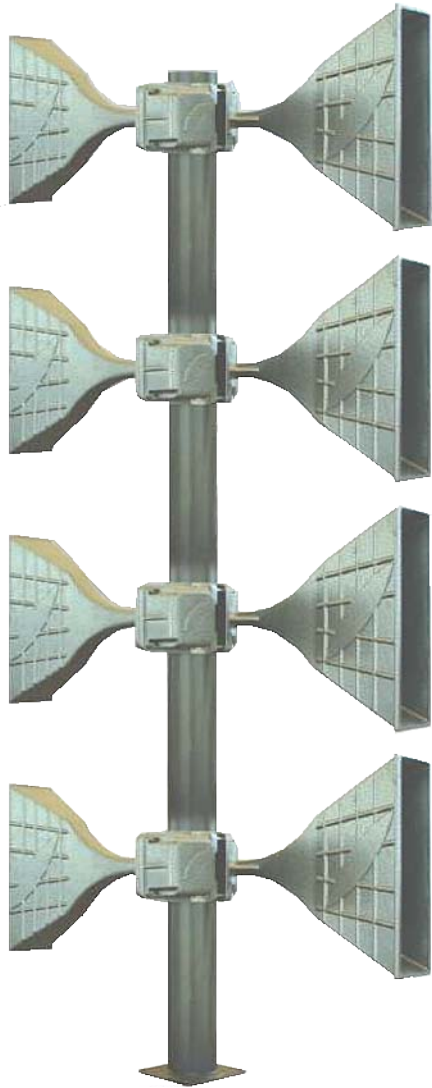
Based on a common control that incorporates communication and control interfaces for radio and landline, user programmable warning signal generation, live and digitally stored voice messages and self-test, the siren uses modular, Class D audio power amplifiers that can be sized to drive a modular loudspeaker array to provide a range of sound pressure levels from 106dB to 125dB at 30 meters. In this way, a wide variety of applications are satisfied, from small installations that cover an effective radius of 300m to 2000m omni directional radiation. The same modular loudspeaker array can also be configured for a directional radiation pattern. Internal 'Quiet Test' performs a complete full power test of the siren. The status report can be read on the siren control panel or communicated to the control station.

Communication with the siren can be made using:

- Land - Mobile Narrow Band FM Radio in the VHF and UHF Bands.
- Microwave Spread Spectrum Frequency Hopping radio (License Free)
- Fiber Optic and 600 Ohm Landlines
- TCP/IP
- Parallel interfaces to DCS terminals. (such as Moscad)

The siren controller is fully autonomous with battery back up for at least seven (7) days with no AC supply. Solar power can be used with or in place of AC. The siren control enclosure is dust and water proof to IP65 standard and can be supplied in steel or stainless steel as required.

The loudspeaker array is 100% resistant to the effects of lightning and atmospheric corrosion.



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