

# LIEX-710/23 ZONE 1 TWO-MILE FOG SIGNAL

The LIEX-710 is a compact, lightweight, and reliable sound emitter for use in marine applications. Each emitter has a Marine Grade cast aluminum housing with a diaphragm resonant at about 670 hertz. The horn is designed at an optimum frequency to maximize its range rating for both U. S. Coast Guard and IALA criteria. Three LIEX-710 emitters stacked in a vertical array are designated as the LIEX-710/23. This horn is U. S. Coast Guard approved for two-mile range with an output of 134 db with 56 watt input to the emitters. Audio output is omnidirectional or directional with a sound absorbing baffle.

Proven in over thirty years of service in the marine environment, the LIEX-710/23 horn's rugged construction and water proof design (IP-66 Ingress Protection) makes this signal ideal for mounting on offshore platforms, calm buoys and floating production systems. The horn is short enough to be mounted between decks on platforms and it is available as a single lift system with an integral baffle for directional applications. Oscillator, coding timer, and control electronics are located in a separate Ex "D" housing.

## LIEX-710/23 Power Supply

The microprocessor-based control electronics include **remote control** terminals for an **FD-310A fog detector**, a remote coder or an "at will" switch. A fog detector is useful on manned platforms where running the foghorn continuously is a noise irritant. Working without human intervention the foghorn/fog detector automatically activates the foghorn in low visibility when it is required by regulations and prevents it from sounding under all other conditions.

The power supply also includes **remote code selector** terminals for changing the sounding rhythm and terminals for **synchronizing** the horn with other horns or lights. Synchronizing may also be accomplished by a centralized master coder. Terminals are also provided for a **two-hour temporary silence control**. This switch allows a technician to temporarily disable the irritating noise from foghorn. After the time out period foghorn returns to sounding its designated code without the technician having to remember to manually switch the foghorn back on.

Form No.: 041311A

## SPECIFICATIONS

- **Input voltage:** 10.5-30 VDC, 120 or 230 VAC. Different supply voltages possible upon request.
- **Input Power to Horn:** 90 Watts.
- **Input Power to Drivers:** 72 Watts.
- **Nominal Range:** 2-Mile    **Frequency:** 660 HZ/670HZ
- **Power Supply:** Primary batteries, Secondary batteries float charged by an AC battery charger or solar array.
- **Weight:** 95 kg. **Shipping weight:** 135 kg
- **Height:** 2000 mm. **Diameter:** 305 mm.
- **Mounting:** 4 X 9.5 mm bolts on a 279 mm PCD.
- **Environmental:** Marine    Atmosphere, Temperature Range -40°C to +50°C
- **Ingress Protection:** IP-66



EC-TYPE EXAMINATION CERTIFICATE:  
Certificate Number: ITS09ATEX16408X  
Coding: II 2 G Ex d e IIB T3 T5 Tamb -40°C to +50°C Gb\*

*Specifications subject to change without notice*

