

# LIEX-710/23 TWO-MILE FOG SIGNAL

The LIEX-710 is a compact, lightweight, and reliable sound emitter for use in marine applications. Each emitter has an LM6 cast aluminum housing resonant at about 660 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 and Trinity House approved for two-mile range** with an output of 133.2 db with 56 watt input to the emitters. Audio output is omnidirectional.

Proven in over forty years of service in the marine environment, the LIEX-710/23 horn's rugged construction (NMEX-4X) and water proof design (IP-66 Ingress Protection) makes this signal ideal for mounting on offshore oil platforms and drilling rigs, offshore wind farms, calm buoys and floating production systems. The horn is short enough to be mounted between decks on platforms. It is **Factory Mutual certified for NEC Class 1 Division 2 Hazardous Areas and ATEX Certified EEx "sed" Zone 1 by DEMKO**. For Zone 1 applications, control electronics are located in a separate EEx 'd' housing.

## LIEX-710/23 POWER SUPPLY

The compact, highly efficient (>80%), microprocessor-based, control electronics include monitoring by **RS-232 or RS-485 communications** interface. The electronics also provide "at will" **remote control** and inhibit control by an FD-310A fog detector. A fog detector is useful on manned platforms or in populated areas where running the foghorn continuously is a noise irritant. The foghorn/fog detector automatically activates the foghorn in low visibility when it is required by regulations. It also includes a **remote code selector** for changing the sounding rhythm. This is commonly used on SPM buoys where normal operations would be a Morse 'U' signal and the remote code selector is used to change the sounding code to a Morse 'A' to indicate excessive tension on the moorings, hull flooding, etc. A terminal is also provided for **synchronizing** the horn with other horns either by hardwire or wireless GPS. A **two-hour temporary silence control** switch allows a technician to disable the foghorn for a two-hour period.

## SPECIFICATIONS

- **Input voltage:** 10.5-36 Volts
- **Input Power to Horn:** 75 Watts.
- **Input Power to Drivers:** 56 Watts.
- **Nominal Range:** 2-Mile
- **Frequency:** 660 HZ.
- **Power Supply:** Primary batteries, Secondary batteries float charged by an AC battery charger or solar array.
- **Weight:** 95 kgs.
- **Shipping weight:** 135 kgs.
- **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 +70°C,
- **Ingress Protection:** IP-66
- **Corrosion Protection:** NEMA-4X

