

LIEX-710/22 Class 1 Division 2 2-MILE FOG SIGNAL

The LIEX-710 is a compact, lightweight, and reliable sound emitter designed for use in marine applications. Each emitter has LM6 cast aluminum housing 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. A two LIEX-710 emitter system is designated as the LIEX-710/22. It is **U. S. Coast Guard** approved for two mile range with an output of 133.2 db with 110.3 watt input to the emitter. Audio output is omnidirectional.

Proven in over forty years of service in the marine environment, the LIEX-710/22 horn's rugged construction (NEMA 4X rated) 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 approved for NEC Class I Division 2 Hazardous Areas and self certified for IEC Zone 2 Hazardous Areas.**

LIEX-710/22 POWER SUPPLY

The compact, highly efficient (approximately 80%), microprocessor-based, control electronics include monitoring by **RS-232 or RS-485 communications** interface. The electronics also provide "at will" **remote control** for manual sounding of the horn and "inhibit" switch allowing 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 on mobile drilling units that may operate in US waters where the fog signal sounds 2 on and 18 off or in international waters where the fog signal sounds Morse 'U'. The remote code select may also be used on SPM buoys where normal operations would be a Morse 'U' signal and switching to 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.

FORM N#: 062909A

SPECIFICATIONS

- **Input voltage:** 10.5-30 VDC
- **Input Power to Horn:** 140.0 Watts.
- **Input Power to Driver:** 110.3 Watts.
- **Nominal Range:** 2- Mile
- **Frequency:** 670 HZ/660 HZ.
- **Morse 'U' Duty Cycle:** 13%
- **Power Supply:** Primary batteries, Secondary batteries float charged by an AC battery charger or solar array.
- **Weight:** 60 kg.
- **Shipping weight:** 70 kg.
- **Height:** 1400 mm.
- **Diameter:** 305 mm.
- **Mounting:** 4 X 9.5 mm bolts on a 279mm PCD.
- **Ingress Protection:** IP-66
- **Corrosion Protection:** NEMA-4X



LIEX 710/22

FM APPROVED CLASS I DIVISION 2

