

LIEX-710/051 ZONE 1 1/2-MILE FOG SIGNAL

The LIEX-710 is a compact, lightweight, and reliable sound emitter designed for use in marine applications. Each emitter has an LM6 cast aluminum housing with a diaphragm 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. A one LIEX-710 emitter system is designated as the LIEX-710/051. It is U. S. Coast Guard approved for one-half mile range with an output of 119.8 db with 9 watt input to the emitter. Audio output is omnidirectional.

Proven in over thirty years of service in the marine environment, the LIEX-710/051 horn's rugged construction and compact size makes this signal ideal for mounting on offshore platforms, CALM, SALM, and SPM buoys. Oscillator, coding timer, and control electronics are located in a separate fiberglass enclosure. For Zone 1 applications the electronics are in an EEx "d" enclosure. **Available under Zone 1 (Certificate No. DEMKO 03 ATEX 135432).**

LIEX-710/051 POWER SUPPLY

The microprocessor-based control electronics include **remote control** terminals for an FD-310A fog detector or other remote control device. It also includes a **remote code selector** terminals for changing the sounding rhythm. This is commonly used on CALM 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 indicated excessive tension on the moorings or flooding of the buoy. A terminal is also provided for **synchronizing** the horn with other horns. A **two-hour temporary silence control** switch is standard. This allows a technician to disable the foghorn for a two-hour period yet have the buoy return to sound its designated code after the technician has departed.

Form no.: 031010

SPECIFICATIONS

- **Input voltage:** 10-15 or 20-30 Volts DC.
- **Input Power to Horn:** 28 Watts.
- **Input Power to Driver:** 18.6 Watts.
- **Nominal Range:** 1/2 Mile
- **Frequency:** 660 HZ./650 HZ.
- **Morse U Duty Cycle:** 13%
- **Power Supply:** Primary batteries, Secondary batteries float charged by an AC battery charger or solar array.
- **Weight:** 41 kg.
- **Shipping weight:** 50 kg.
- **Height:** 667 mm.
- **Diameter:** 305 mm.
- **Mounting:** 4 X 9.5 mm bolts on a 279mm PCD.



EC-TYPE EXAMINATION CERTIFICATE

Certificate Number: DEMKO 03 ATEX 135432
Coding: II 2 G D EEx d e IIB T5 (100°C)