

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 approved for Zone 1 hazardous areas. BASEEFA Certificate Ex 81358, Classification EX sED IIB T6.**



SPECIFICATIONS

Input voltage:	10-15 or 20-30 Volts DC.
Input Power to Horn:	11 Watts.
Input Power to Driver:	9 Watts.
Nominal Range:	1/2 Mile
Frequency	660 HZ.
Morse U Duty Cycle	13%
Power Supply:	Primary batteries, Secondary batteries float charged by an AC battery charger or solar array.
Weight:	41 kgs.
Shipping weight:	50 kgs.
Height:	667 mm.
Diameter:	305 mm.
Mounting:	4 X 9.5 mm bolts on a 279mm PCD.

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.



Automatic Power Inc