

DA-8 TWO MILE FOG SIGNAL

The DA-8 is a proven, reliable sound emitter for use on offshore platforms. The horn is designed at an optimum frequency to maximize its range rating for both U. S. Coast Guard and IALA criteria. Eight emitters are stacked in a vertical array on a marine grade aluminum or, optionally, stainless steel support structure. The tower base includes a hinge to facilitate lowering of the tower. The emitter housings are molded rigid polyurethane and the acoustical driver elements are sealed from the marine environment by noncorrodible diaphragms. Each emitter is enclosed in a patented diffraction ring to concentrate the acoustical energy in the horizontal plane. This horn is U. S. Coast Guard approved for Class A service in the Gulf of Mexico. It has a two-mile range with an output of 133.3 db with 80 watt input to the emitters. Audio output is omnidirectional.

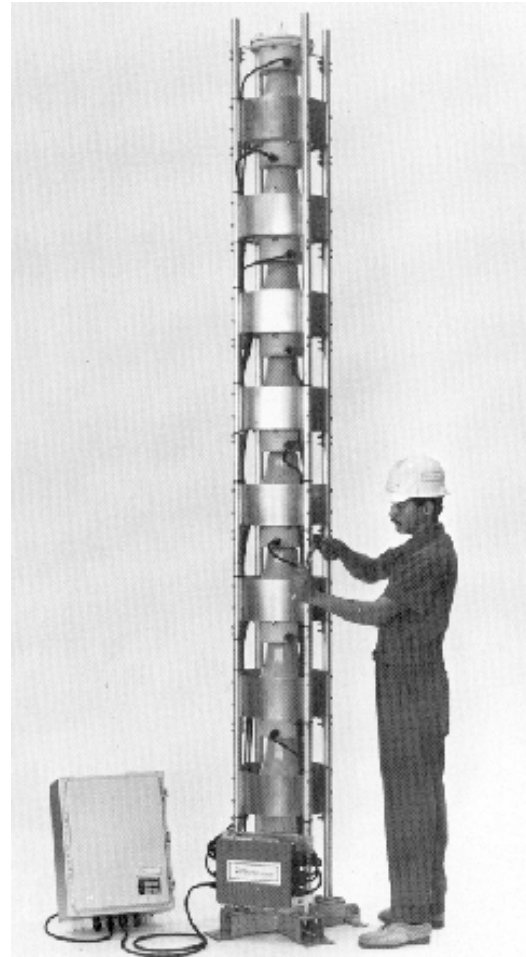
DA-8 POWER SUPPLY

The power supply operates at over 80% efficiency over a wide range of input voltage. Dual channels provide protection against a complete power supply failure. The coding timer is controlled by a replaceable "PROM" to allow field alteration of coding rhythm. Dual codes (2 sec on, 18 sec off) to meet U. S. and (Morse "U" 30 sec. period) for international requirements are standard.

The microprocessor-based control electronics are housed in a weatherproof fiberglass NMEA-4X enclosure that can be mounted on the tower or remotely. The controls include **remote control** terminals for a **FD-310A fog detector**. A fog detector is useful on manned platforms where running the foghorn continuously is a noise irritant. It 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. A **two-hour temporary silence control** switch is standard.

SPECIFICATIONS

- **Input voltage:** 12-20 or 24-30 Volts DC.
- **Input Power to Horn:** 108 Watts.
- **Input Power to Drivers:** 80 Watts.
- **Nominal Range:** 2 Mile
- **Frequency:** 732 HZ.
- **Power Supply:** Primary batteries, Secondary batteries float charged by an AC battery charger or solar array.
- **Weight:** 80 kgs.
- **Shipping weight:** 268 kgs.
- **Height:** 3300 mm.
- **Diameter:** 700 mm.
- **Mounting:** 5 X 22mm bolts



Factory Mutual approved for NEC Class 1,
Division 2 Hazardous Areas & IEC Zone 2.