

DA-2 Half-Mile Omnidirectional Sound Signal

The DA-2 Sound Signal is designed to meet the requirements for a marine warning signal that is audible for one half nautical mile. It can be primary battery or solar powered. Where AC power is available, it can be operated from rechargeable batteries or directly from a DC power supply.

The DA-2 meets both the U.S. Coast Guard requirements per 33CFR 67 and the "Usual Range" recommendations of the International Association of Lighthouse Authorities for a half mile signal.

The supporting structure is fabricated of marine grade structural aluminum. Driver housings are molded of rigid polyurethane. The acoustical driver elements are sealed from the marine environment by noncorrodible diaphragms. Each of the two transmitters is enclosed in a unique diffraction ring to concentrate the acoustical energy horizontally.

The electronic controls are housed in a weatherproof fiberglass Nema 4X enclosure which is mounted on the tower. Dimensions, 14" (35.6 cm) by 18" (45.7 cm) by 9" (22.9 cm) deep.

Specifications:

Input

- Voltage: 12 DC nominal
- Current: 1.2 amps at 12 volts during blast

Output

- Frequency: 822 Hz \pm 2%
- SPL: 119.8 db at 1 meter

Coding Selectable

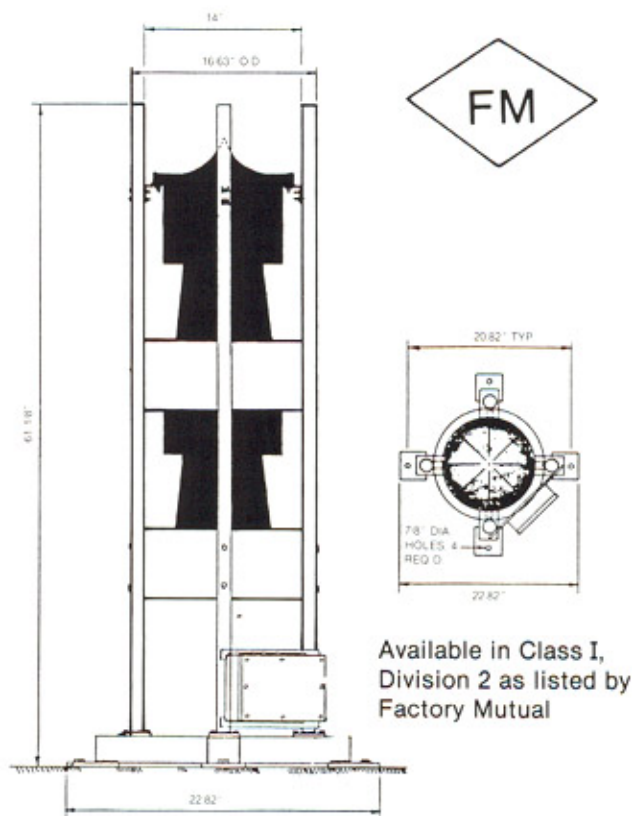
- 2 sec on, 18 sec off
- Morse letter "U", 30 sec period
- Or any other characteristic required

Environmental

- Marine atmosphere
- Temperature, - 25 to + 50 °C
- 100% relative humidity
- Survival wind speed, 150 mph

Weights

- Tower: 78 lb. (35.5 kg)
- Welding base: 23 lb. (10.5 kg)
- Shipping:
 - Weight 207 lb. (94.1 kg)
 - Volume 24.1 ft.³ (0.7 m³)



Available in Class I,
Division 2 as listed by
Factory Mutual



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