

Fire, Disaster Warning, Industrial Alarm Sirens and Military Base Systems

ThunderBeam® 128dB Siren

The new Model RSH10 ThunderBeam is unique in siren design, simpler, yet with four to five times the area coverage of the omni-directional 115dB Model STH10,



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which uses the same motor and mechanism! By means of a rotating elliptical sound deflector, rather than a projector horn, it is able to project a more concentrated sound beam than has previously been attained in a 360° directional siren.

A conical tuning deflector directs all available sound energy at the rotating sound deflector, giving the ThunderBeam a comparable sound output to the world-famous Thunderbolt, but at a higher frequency. The simplified design, and use of a motor and mechanism that have proved themselves in over 30 years of dependable use, minimize total system cost.

A single motor drives both the 21-inch siren rotor—Federal's largest ever—and the sound deflector on the same vertical axis. A speed reducer holds deflector rotation to two rpm. There are no belts, drive chains, collector rings or brushes, making the ThunderBeam highly dependable and virtually maintenance-free.

A protective shield of expanded 18-gauge stainless steel encloses the siren; its three easily-demountable segments allow easy access. The shield allows positive moisture drainage, and protects against vandalism while allowing maximum projection of sound. The rotating deflector inside the shield moves like a weathervane in high winds to prevent wind damage.

The motor, rotor and stator are enclosed by a shroud which prevents entrance of rain, sleet and snow. All exposed steel parts are either stainless or bonderized and painted.

Installation is simple and economical; the siren is delivered completely assembled and ready for mounting on a roof or pole. A mounting plate of 1/4-inch steel, with six pre-drilled bolt holes matching those on three mounting legs, is provided. Connecting the motor starter to the motor is the only wiring necessary.