



# RUMBLER™ INTERSECTION-CLEARING SYSTEM



The Federal Signal Rumbler™, intersection-clearing system, demonstrates the long-standing commitment to continue as the technological leader in warning sound, siren development, and operator safety.

## Improves Intersection Warning Effectiveness

The Rumbler introduces a revolutionary new concept to audible warning. This system has the ability to interact with 100/200-watt siren amplifiers and provide secondary, low frequency duplicate tones. Low frequency tones have the distinct advantage of penetrating and shaking solid materials allowing vehicle operators and nearby pedestrians to FEEL the sound waves, and perhaps even see their effects through a shaking rearview mirror.

## Secondary System with Built-in Safety

In addition to the primary siren amplifier and speaker, the Rumbler adds a secondary amplifier. This gives the system the ability to sense the currently enabled siren tone signal, reduce the signals' frequency by 75%, and amplify the sound through a pair of high output woofers. The systems' timer allows the tone to sound for 10 seconds, and then automatically shuts off. The result is a highly effective backup emergency tone, especially when transitioning hazardous traffic intersections. The Rumbler is particularly effective when used in dense urban environments with heavy vehicle and pedestrian traffic.

A complete Rumbler intersection-clearing system consists of an amplifier, a timer, two subwoofers, and vehicle specific mounting hardware. This system can be paired with most 100/200-watt emergency siren amplifiers and the Rumbler system is most effective when used as an intersection-clearing device where heavy vehicle and pedestrian traffic is present.

## > Features

- Improves emergency vehicle operator safety.
- Produces penetrating/vibrating low frequency sound waves.
- Interacts with most 100/200-watt emergency vehicle siren amplifiers.
- Enabled via any emergency vehicle steering wheel horn ring.
- 10 second safety timer provides automatic tone shutdown.
- Highly effective in dense urban environments with heavy vehicle traffic.

## > How to Order

Specifications	
Input Voltage	9 VDC to 15 VDC
Input Current, Operating	12A max
Polarity	Negative grounded systems only
Standby Current	0mA nominal
Operating Temperature Range	-30°C to + 65°C
Frequency Ranges	182 to 400 Hz
Output Voltage	64 VDC (nominal) peak-to-peak
Output Power	80W
Physical Dimensions - 689000	
Amplifier	1.3 in H (3.49 cm) X 6.3 in L (15.57 cm) X 5.7 in D (14.48 cm)
Timer	1.4 in H (3.56 cm) X 6.5 in L (16.51 cm) X 2.9 in D (7.37 cm)
Ship Weight	3.0 lbs (1.4 kg)
Physical Dimensions - 751022	
Pair of Woofers	8.5 in H (21.6 cm) x 7.25 in (18.4 cm) Diameter round each
Ship Weight	16.0 lbs (7.20 kg)

In order to emulate the sound of the Q-Siren®, the E-Q2B™ uses a digital signal processor to generate signal containing a complex harmonic structure. This complex harmonic structure makes the E-Q2B incompatible with the Rumbler™ system.

The PA4000, 200-watt electronic siren has also been found to be incompatible with the Rumbler system.



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