

Pavian Car

Powerful mobile electronic siren for mass warning

- Rapid and easy installation
- 360° warning signal propagation
- Direct warning from the vehicle
- Magnetic mounting holders

The Pavian Car is a powerful mobile electronic siren designed primarily for car installation and other transport equipment. It is available with either a disc loudspeaker or an aluminum-alloy horn loudspeaker, each offering unique acoustic properties that enhance warning effectiveness.

The disc version provides uniform 360° acoustic coverage in the horizontal plane with a power output of 150 W, ensuring consistent loudness in all directions around the vehicle. The aluminum-alloy horn loudspeaker version is available in 150 W or 300 W. Its acoustic coverage is primarily directed forward, while still audible from the sides and rear at reduced intensity.

The Pavian Car siren is designed for ease of use and mobility. It is a plug-and-play solution, allowing for quick and straightforward deployment. It includes a lightweight, portable control unit with integrated electronics and specially designed compression drivers with simple connections. The Pavian Car's control unit is enclosed in a durable plastic case to ensure reliable protection in the field.

The Pavian Car siren can be connected to 12 V or 24 V directly from the vehicle's battery or a dedicated car socket. An optional external battery pack is also available for independent power supply. The siren supports remote control via text messages (SMS), visual signalling, and live voice transmission through the loudspeaker.

Disc Horn Loudspeaker



- Uniform 360° acoustic coverage in the horizontal plane
- Compact and lightweight design
- Even sound distribution
- Aerodynamic shape



Plug And Play

Aluminium-alloy Horn Loudspeaker



- Higher mechanical durability
- Power output up to 300 W
- Suitable for extreme environments
- Strong forward directional acoustic coverage

Fast response and mobility in critical situations

High-performance warning directly from the vehicle

In emergencies in remote areas or areas without an existing warning system, the immediate deployment of the Pavian Car mobile electronic siren is crucial. A vehicle equipped with this mobile siren can quickly move through affected areas and effectively inform the population over a larger (OR wide) territory. Either of the two available horn loudspeakers can be used depending on the situation. Both provide the same acoustic warning performance, but each offers specific advantages.



Key Features

High durability and exceptional performance

- Lightweight aluminum-alloy horn loudspeaker
- Disc horn loudspeaker with optional light signaling
- Built-in compression drivers
- High ingress protection during transport
- High intelligibility with maximum power output of 150 W or 300 W
- Efficient, professional mass warning capabilities

Rapid and easy installation

- Flexible mounting using a magnetic holder
- Tool-free Installation
- Lightning-fast relocation of the siren between vehicles
- Control electronics housed in a durable plastic case

Variable audio reproduction options

- Repeated playback of pre-defined acoustic signals
- Recordings uploaded to and replayed from the siren's internal memory
- Playback of audio recordings from external sources (radio, phone, etc.)
- Live announcements directly through the microphone

Intelligent siren self-diagnosis

- Comprehensive siren function diagnostics
- Remote status monitoring
- Silent test without warning tone playback



Technical Parameters

	Disc Horn Loudspeaker	Aluminum-alloy Horn Loudspeaker	
Siren electrical output	150 W	150 W	300 W
Acoustic pressure @ 1m (3.28 ft) / @ 30m (98.4 ft)	130.5 dB(A) / 100.5 dB(A)	129.0 dB(A) / 99.5 dB(A)	135.0 dB(A) / 105.5 dB(A)
Power supply	12 V, 24 V, 12 V & 24 V	12 V DC	24 V DC
Power consumption under load (1 kHz sinus)	At 12 V = 15 A At 24 V = 8 A	At 12 V = 15 A At 24 V = 8 A	At 12 V = 30 A At 24 V = 15 A
Standby power consumption	50 mA @ 12 V / 30 mA @ 24 V		
Weight (electronics case)	7 kg (15.43 lbs)		
Weight (loudspeakers case)	15 kg (33.07 lbs) – with cabling 7.5 kg (16.53 lbs) – with magnetic holder	11 kg (24.25 lbs)	17 kg (37.48 lbs)
Ingress protection (electronics case)	IP44		
Ingress protection (loudspeakers case)	IP54		
Dimensions (electronics case) L x W x H	400×330×180 mm (l×w×h) *1) / (15.75 × 12.99 × 7.09 in)		
Dimensions of the case with loudspeakers L x W x H	523 × 400 × 240 mm (20.59 × 15.75 × 9.45 in)	560 × 330 × 270 mm (22.05 × 12.99 × 10.63 in)	
Operating temperature range	Acoustic components: -40°C to +65°C (–40°F to +149°F) Control unit: -20°C to +65°C (–4°F to +149°F)		
Recommended maximum vehicle speed (tested by TÜV, an independent safety certification body)	130 km/h (80.78 mph)	80 km/h (49.71 mph)	

*1) ... dimensions may vary depending on customer specifications



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