

GIBON

Powerful industrial electronic siren to be used as a stand-alone warning device or part of smaller warning systems

▶ **More intelligent/sophisticated replacement for a motor siren**

with backup power supply and live-voice/speech reproduction functions

▶ **More intelligible**

Improved voice transmission, digital signal/sound processing

▶ **More adaptable**

Selection of more siren versions and complementary characteristics for better adaptability to project and customer requirements

▶ **More compact**

Simplified and more integrated architecture with enhanced operational reliability

▶ **More cost-optimised**

High acoustic power and quality with excellent value for money (price/utility ratio)



Gibon electronic siren

The new generation Gibon electronic siren is a powerful, cost-effective siren, providing high-quality sound coverage for an endangered area. The siren is primarily intended for use as a locally controlled stand-alone warning device or as part of simple warning systems with several sirens, mainly for small urban and rural areas and industries.

Uncompromising performance and high acoustic pressure at a competitive price

The Gibon siren combines the performance and acoustic quality of the higher-range sirens with perfectly comprehensible controls suitable for simpler warning systems. On request, it can be supplemented with other advanced features, such as the TTS (Text-To-Speech) module, so that you purchase a siren exactly matching your needs and pay only for the features you will actually use in your warning system.



The Gibon siren is most used in warning systems for

Production halls



Quarries



Ports



Oil and gas industries



Prisons



Shooting ranges



Key features

High acoustic pressure and excellent intelligibility

- A more intelligent and more sophisticated replacement for a motorised siren **with spoken word/speech reproduction functions**
- **Clock input for direct control connection** to generate custom warning tones
- **Greater reliability** compared to a motor siren, thanks to power backup
- **Live announcements and reproduction of any sound**, including built-in alarms
- **Text-To-Speech** function
- **High-quality acoustic signal coverage** of a large area
- **Enhanced intelligibility** and audibility of live or recorded voice due to DSP (Digital Signal Processing)
- **Easy configuration**

Control and communication

- **Local wireless control** with increased reach
- **Remote control from a mobile phone** via SMS (simple instructions) or other control devices using mobile data (sophisticated instructions)
- **Multiple local control options** (from simple push-button control to an advanced digital control panel with a touch screen)
- **Increased number of sensors** with a possibility of their direct connection to the Gibon siren and its autonomous control
- **Various communications channels** for efficient and prompt siren control from a remote control room

Durability and protection

- **High robustness and durability of the siren structure** while maintaining its light weight
- Specially shaped, durable aluminium alloy loudspeaker horns
- **Steel box with a powder-coated finish** with IP56/IP66 rating or optional **stainless-steel box** with higher IP56/IP67 rating
- **Resistance of the siren structure to mechanical damage** (during transport or vibration in earthquakes)
- Intelligent **loudspeaker overload protection**
- Intelligent **protection of embedded electronic modules** for greater reliability and longer life under extreme conditions
- Low standby power consumption from the mains
- Solar battery re-charging option



Technical parameters

Electric power output	300 W to 3600 W
Power supply	Mains: 90 V – 264 V AC / 50 Hz – 60 Hz Solar: 24 V solar panels
Power consumption	Max. 200 W /230 V during battery charging Max. 10 W/230 V in standby mode, with fully charged batteries
IP rating of the siren electronics box	Sirens with an output up to 2400 W: IP56 or IP66 steel box with a powder-coated finish IP56 or IP67 /stainless steel box Sirens with an output above 2400 W: IP56 or IP67 /stainless steel box
Dimensions of the siren electronics box	Sirens with an output up to 2400 W: 600 × 600 × 300 mm /steel box 600 × 650 × 350 mm /stainless steel box Sirens with an output between 3000 and 3600W: 600 x 650 x 450 mm /stainless steel box
Weight of the siren electronics box	26 – 42.0 kg, (Without batteries) depending on the siren output and functions, and the box type
Operating temperature range	-25 °C to +65 °C *

* The operating temperature range of the siren may vary according to the type of batteries and their operating temperature range.



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