



**TAUSEC s.r.o.**

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## eRotor - an evolved product

Electronic siren **eRotor** was designed as an economically acceptable replacement of old high power motor driven sirens. Siren control box is simple in its design, with control keypad and message LCD positioned directly on the Motherboard. It is a light version of an electronic siren, which intends to be controlled more from external source like binary input, RS232 or radio.

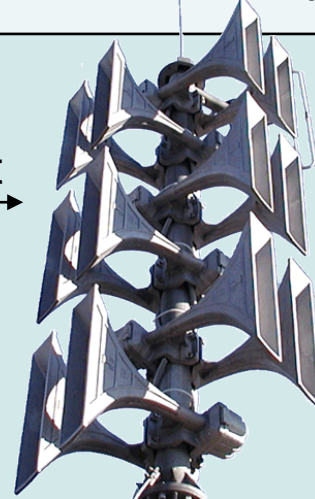
### Siren box with electronics

- amplifiers 375W (acc. to the siren type)
- motherboard
- power supply
- batteries 2x12V DC
- optional modules
- service power plug



### Aluminum alloy horns

- alluminum horns with drivers (125W pairs)
- steel mast tube 114mm mounting



Audio output →

230V AC  
(115V AC)

Control inputs

eRotor electronic siren	250W	500W	750W	1000W	1500W
Acoustic power at 30m	110dB(A)	115dB(A)	117dB(A)	119dB(A)	121dB(A)
Number of horns	2	4	6	8	12
Number of amplifiers	2	2	2	4	4
Power supply	230V				
Power backup	2x12V (24-65Ah)				
No.of alarms / battery power	min. 15 minutes of alarm / min. 72 hours without power supply				
Standby mode / battery power	more than 1 week				
Number of alarm tones	customizable, MMC memory card				
Voice input	AUX input				
Weight of siren box with batteries	38kg	50kg	50kg	70kg	70kg
Siren box dimensions	800x600x250	800x600x250	800x600x250	800x1000x350	800x1000x350
Weight of horns with drivers	27kg	54kg	80kg	108kg	165kg



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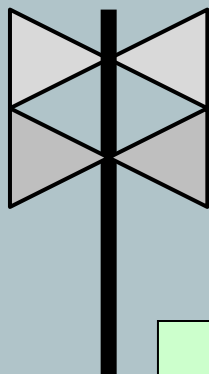
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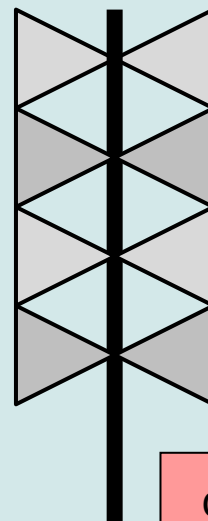
## Acoustic performance

Thanks to the unique signal processor, separated power supply and thick aluminum horns the eRotor siren has unique acoustic performance outrating any other electronic siren type on the market. When comparing the acoustic pressure at 30m the **eRotor 500W has the same results as a common 1200W electronic siren!** The result is lighter construction of horns and more reasonable costs for siren itself and for its installation.



115dB(A) at 30m

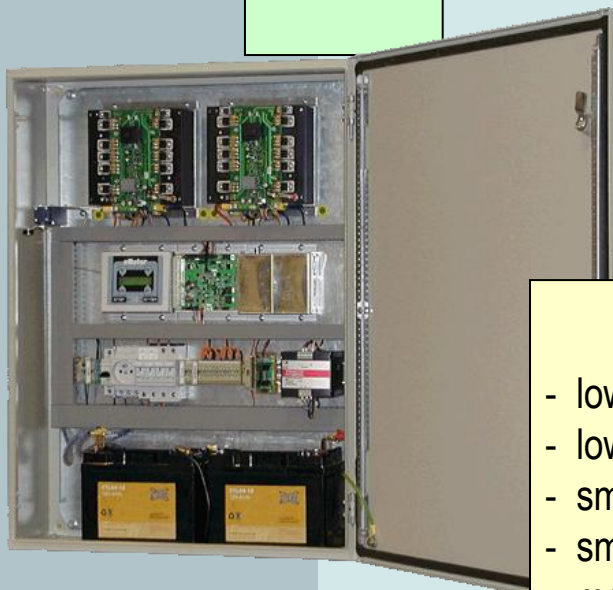
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115dB(A) at 30m

eRotor  
500W

Common  
1200W  
siren



### eRotor - advantages for customer :

- lower cost of siren
- lower power consumption needed
- smaller batteries capacity required
- smaller mast required to support less horns
- more simple installation
- lower transport costs



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## Electronic sirens eRotor – Control

The eRotor siren is designed to be as most simple as possible. The primary control of the siren is **binary input**. For more complex application **RS232** control can be used. The **RS232 protocol is open** and can be adjusted to the specific requirements. **Internal LCD with keypad** serves as backup control for trained personnel.

### Control possibilities

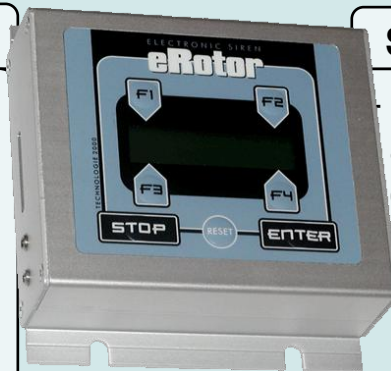
- keypad with LCD
- 2 binary inputs
- PC RS232
- CAN bus

Optional:

- radio control
- POCSAG, RDS
- GSM phone

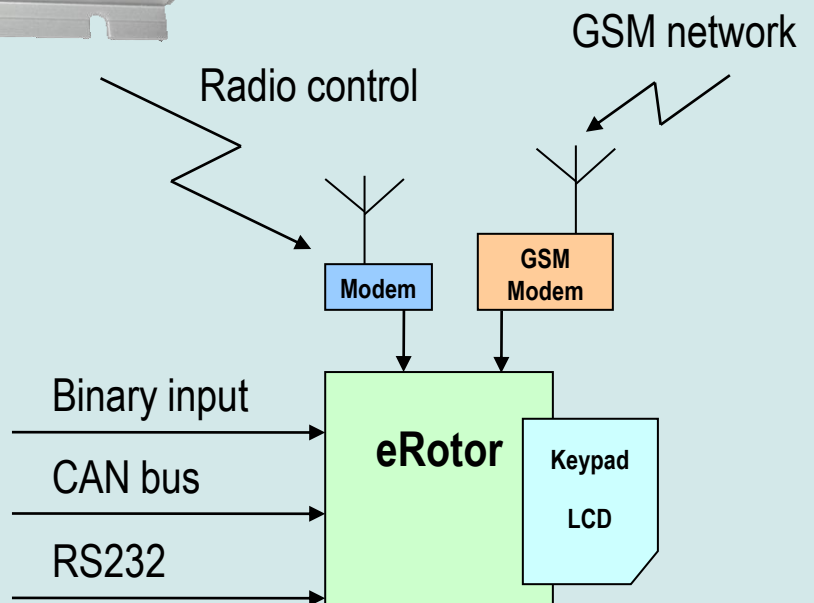
### Self-test abilities

- battery voltage
- amplifier status
- driver status
- door sensor



### RS232 open protocol

Using RS232 open protocol user have a great opportunity to adjust whole control system according to customer's exact requirements. RS232 can be used as 2-way channel to communicate with siren. It sends commands and receives a feedback from siren about its function.



### eRotor "Siren Kit"

For electro engineering and developing companies we offer the possibility to obtain a **"Siren Kit"** which allows user to construct its own electronic siren from our modules. This way user can **save a lot of costs** for complete siren and for transport!