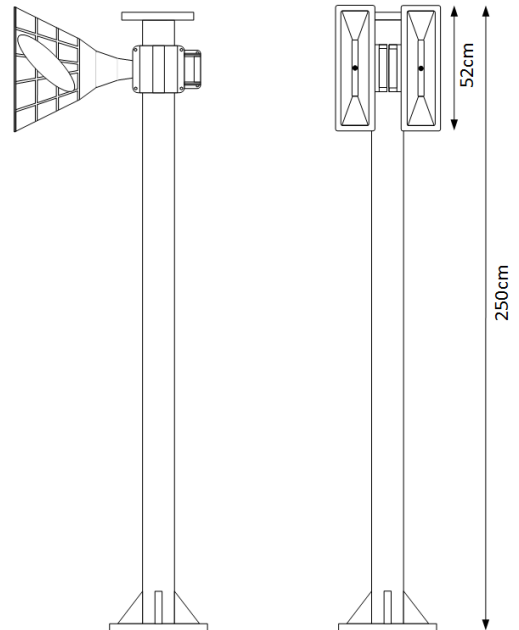
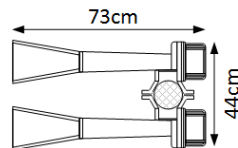


# CSD 1-2-109

Typical controller cabinet



Speaker array top view



**CSD 1-2-109** high power electronic warning siren has been designed to satisfy warning and notification requirements. Maintenance free (as has no motors and moving parts) can be easily installed indoor and outdoor. Powered from maintenance free VRLA rechargeable batteries which guarantees uninterrupted operation is always ready to provide optimum protection. Siren's status can be monitored locally or remotely to diagnose errors and operational functionality to ensure minimal downtime and continuity of operation. A variety of interfaces and HMIs are available to customize the unit in terms of communication, activation, monitoring and management.

- **Radio (analog/digital).**
- **Transparent modem (analog/digital).**
- **868MHz license free data radio.**
- **CMC 4 serial HMI control console.**
- **CMC 8 serial HMI control console.**
- **CMC 16 serial controller .**
- **AM 10 alarm activation module.**
- **AM 10S/RS 485 alarm activation module.**
- **GSM communication serial controller.**
- **Voice and data over IP card.**
- **Fiber optics converters.**
- **Data logger s/w.**
- **Talos LV5/LV10/FV128 management s/w.**

<b>GENERAL SPECIFICATIONS</b>	
<b>CONTROLLER</b>	
<b>Power supply</b>	Nominal 48VDC. Obtained from 4 X12V/26-44Ah Lead acid maintenance free batteries.
<b>Batteries</b>	Maximum capacity: 44Ah. Dimensions: 180mm X 175mm X 165mm (H X W X D).
<b>Batteries chargers</b>	2 X 27 VDC/240W.
<b>Amplifiers</b>	1 Class D 400W.
<b>SPL</b>	109dB @ 30m.
<b>AC power consumption</b>	
Stand by	7.20W.
Full charging state	480W.
<b>DC current consumption</b>	
Stand by	60mA.
Activated with full power	5.80A.
<b>Operating temperature</b>	- 10 <sup>o</sup> C to + 60 <sup>o</sup> C.
<b>COMMUNICATION</b>	
<b>RS232</b>	1 X RS232 serial port. DB9 female. Programming I/P. Connection to modem (analog/digital). Baud rate: 1200bps to 115200bps.
<b>RS485</b>	1 X RS485 serial port. RJ45. Programming I/P. Connection to Comtel HMIs (RS485 [A+, B-], Audio input [A1, A2], 0VDC/12VDC). Baud rate: 1200 bps to 115200 bps.
<b>FEATURES</b>	
<b>Monitor inputs</b>	4 configurable inputs (Dry contact/Open collector).
<b>Control inputs</b>	8 configurable inputs (Dry contact/Open collector).
<b>Control outputs</b>	4 Relay (12VDC/1A) controlled (N.O./N.C.) outputs.
<b>Warning signals</b>	Up to 16 (fully programmable).
<b>Digital messages</b>	Up to 239 WAV files. Format PCM 8KHz 8bits Mono.
<b>Memory capacitance</b>	8min (standard). Expandable to 1h on request.
<b>Live Audio (Public Address)</b>	Available.
<b>SPEAKER ARRAY</b>	
<b>Speakers</b>	2 aluminum cast horns.
<b>Configuration</b>	Directional (side by side).
<b>Power</b>	200W.
<b>Weight</b>	26kg. Compression drivers included.
<b>Wind load</b>	416 Newton @ 160km.
<b>MECHANICAL</b>	
<b>Cabinet dimensions</b>	800mm X 600mm X 250mm (H X W X D).
<b>Weight</b>	36kg (batteries not included).
<b>IP rate</b>	IP 66 conforming to IEC 60529.
<b>Paint</b>	RAL 7035.
<b>Cable glands</b>	PG16(2x) PG21(2X) polyamide .
<b>CERTIFICATIONS AND APPROVALS</b>	
CE RoHS	
<b>ORDER DETAILS</b>	
<b>Order code</b>	1.010.102.02