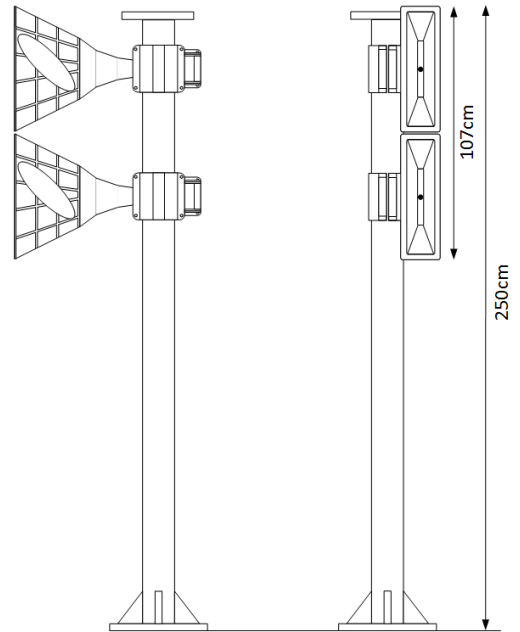
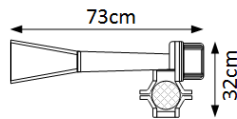


CSD 1-2-112*Typical controller cabinet**Speaker array top view*

CSD 1-2-112 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.**

GENERAL SPECIFICATIONS	
CONTROLLER	
Power supply	Nominal 48VDC. Obtained from 4 X12V/26-44Ah Lead acid maintenance free batteries.
Batteries	Maximum capacity: 44Ah. Dimensions: 180mm X 175mm X 165mm (H X W X D).
Batteries chargers	2 X 27 VDC/240W.
Maximum Battery Capacity	44Ah (4 x 12V 22Ah)
Maximum Battery Dimensions	180mm X 175mm X 165mm (H X W X D).
Amplifiers	1 Class D 400W.
SPL	112dB @ 30m.
AC power consumption Stand by	7.20W.
Full charging state	480W.
DC current consumption Stand by	60mA.
Activated with full power	5.80A.
Operating temperature	- 10 ^o C to + 60 ^o C.
COMMUNICATION	
RS232	1 X RS232 serial port. DB9 female. Programming I/P. Connection to modem (analog/digital). Baud rate: 1200bps to 115200bps.
RS485	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.
FEATURES	
Monitor inputs	4 configurable inputs (Dry contact/Open collector).
Control inputs	8 configurable inputs (Dry contact/Open collector).
Control outputs	4 Relay (12VDC/1A) controlled (N.O./N.C.) outputs.
Warning signals	Up to 16 (fully programmable).
Digital messages	Up to 239 WAV files. Format PCM 8KHz 8bits Mono.
Memory capacitance	8min (standard). Expandable to 1h on request.
Live Audio (Public Address)	Available.
SPEAKER ARRAY	
Speakers	2 aluminum cast horns.
Configuration	Directional (vertical stack).
Power	200W.
Weight	26kg. Compression drivers included.
Wind load	416 Newton @ 160km.
MECHANICAL	
Cabinet dimensions	800mm X 600mm X 250mm (H X W X D).
Weight	36kg (batteries not included).
IP rate	IP 66 conforming to IEC 60529.
Paint	RAL 7035.
Cable glands	PG16(2x) PG21(2X) polyamide .
CERTIFICATIONS AND APPROVALS	
CE RoHS	
ORDER DETAILS	
Order code	1.010.102.03