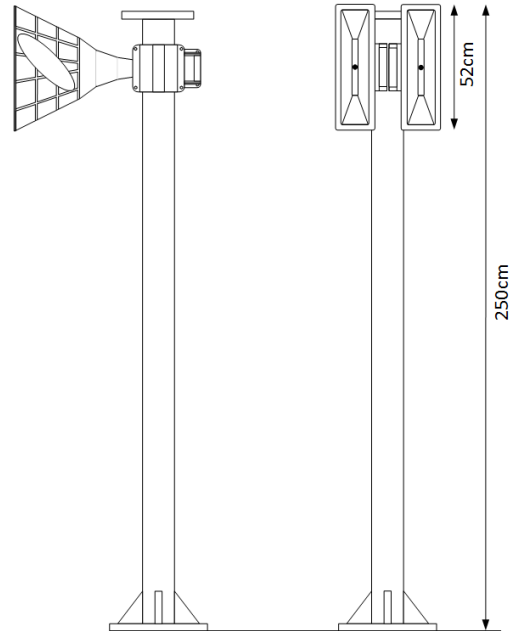
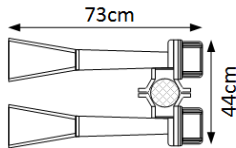


## SB-1-2-109B

Typical controller cabinet



Speaker array top view



**SB** high power electronic warning siren is the new member in Comtel sirens series family. It has been designed to satisfy warning and notification needs in areas a single siren or a small siren network is required. Maintenance free (as has no motors and moving parts) can be easily installed indoor and outdoor. Powered from maintenance free VRLA or LiFePO4 rechargeable batteries which guarantees uninterrupted operation is always ready to provide optimum protection. Siren 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.

- On board signal generator producing up to 16 full programmable signals.
- On board 8GB SD card to store up to 239 WAV 16bit voice messages.
- 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.
- On board 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 24VDC. Obtained from 2X12V/18-26Ah Lead acid maintenance free batteries.
<b>Batteries</b>	Maximum capacity: 26Ah. Dimensions: 125mm X 175mm X 166mm (H X W X D).
<b>Batteries chargers</b>	1 X 27 VDC/240W.
<b>Amplifiers</b>	1 Class D 200W.
<b>SPL</b>	109dB @ 30m.
<b>AC power consumption</b>	
Stand by	3.10W.
Full charging state	240W.
<b>DC current consumption</b>	
Stand by	63mA.
Activated with full power	10A.
<b>Operating temperature</b>	- 10° C to + 60° C.
<b>COMMUNICATION</b>	
<b>RS485</b>	1 X RS485 serial port. RJ45. Connection to Comtel HMIs (RS485 [A+, B-], Audio input [A1, A2], 0VDC/12VDC). Connection to Baud rate: 1200 bps to 115200 bps.
<b>Mini USB</b>	For firmware update. Connection to Baud rate: 115200 bps.
<b>Ethernet port</b>	Integrated server ,Web browser for configuration / Programming.
<b>RS232</b>	1 X RS232 serial port. DB9F. Connection to radio modem.
<b>FEATURES</b>	
<b>Monitor inputs</b>	2 inputs (Dry contact). AC monitoring. Cabinet door monitoring.
<b>Control inputs</b>	8 configurable inputs (Dry contact/Open collector).
<b>Control outputs</b>	2 Relay (12VDC/1A) controlled (N.O./N.C.) output.
<b>Warning signals</b>	Up to 16 (fully programmable).
<b>Stored messages</b>	Up to 239 (fully programmable). PCM format 8bit 44.1KHz mono.
<b>Live Audio (Public Address)</b>	Available.
<b>MicroSD</b>	Alarm tones/ stored messages storage.
<b>SPEAKER ARRAY</b>	
<b>Speakers</b>	2 aluminum cast horns.
<b>Configuration</b>	Omni directional.
<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>	600mm X 500mm X 200mm (H X W X D).
<b>Weight</b>	20kg (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>	1.025.102.02