HMCA112-05 Electronic Siren, Buzzer, Claxon & Bell

Applications and users that have traditionally demanded conventional electromechanical claxons, sirens, buzzers and bells can now choose the next generation alternative.

The E2S Hootronic series of products faithfully reproduce the sounds made by legacy electro-mechanical signalling devices but in a modern, reliable and cost effective way.
With output levels of up to 122dB(A) at 1 metre the HMCA112-05 surpasses legacy electro-mechanical devices in performance and effectiveness, it is also continuously rated, requires zero maintenance and the signal quality will not degrade with age.

Features

The products in the Hootronic range have 5 user selectable 'traditional' sounds including:

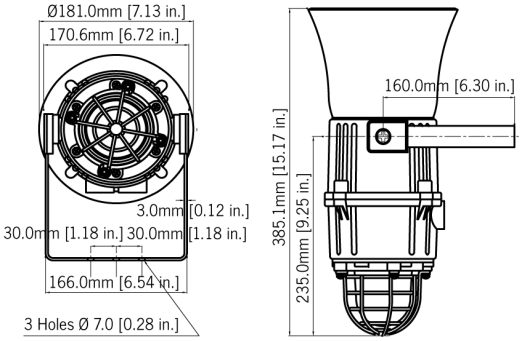
- Tone 1 : Industrial Claxon
- Tone 2 : High Frequency Mechanical Siren
- Tone 3 : Medium Frequency Mechanical Siren
- Tone 4 : Electro Mechanical Buzzer
- Tone 5 : Mechanical Bell

Each of these sounds have two additional, remotely selectable, alarm stages.
Remote switch generates genuine 'tail off' to sound when alarm is terminated.

- Automatic synchronisation on multi-sounder system.
- Continuously rated.
- Large termination area.
- Stainless steel fixings.
- Ratchet adjustable stainless steel 'U' bracket for 360° positioning.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.

Approvals

- GOST-R certificate: POCC GB.JB05.H00144



Specification

Hootronic Sounder:	
Nominal output:	122dB(A) @ 1m +/- 3dB [113dB(A) @ 10ft/3m]
No. of tones:	5
No. of stages:	3
Volume control:	Max. 122dB(A); Min. 113dB(A) approx.
Beacon:	
Energy:	5 Joules (5Ws)
Flash rate:	1Hz (60 fpm)
Peak Candela:	500,000 cd – calculated from energy (J)
Effective Intensity cd:	250 cd – calculated from energy (J)
Peak Candela:	16,428 cd* – measured ref. to I.E.S.
Effective Intensity cd:	51 cd* – measured ref. to I.E.S.
Lens colours:	Amber, Blue, Clear, Green, Red & Yellow
Tube life:	Emissions are reduced to 70% after 5 million flashes
General:	
Voltages DC:	12V dc; 24V dc
Voltages AC:	115V ac; 230V ac
Ingress protection:	IP66 & IP67 (Third party tested)
Housing material:	High impact UL94 V0 & 5VA FR ABS
Colour:	Grey (RAL7038)
Cable entries:	2 x M20 supplied with 1 blanking plug
Lens material:	Borosilicate glass dome with PC prismatic lens cover.
Guard:	Stainless Steel dome guard as standard
Terminals:	0.5 to 4.0mm² cables.
Operating temp:	-25 to +55°C [-13° to +131°F]
Storage temp:	-40 to +70°C [-40° to +158°F]
Relative humidity:	90% at 20°C [68°F]
Weight:	DC: 3.00kg/6.6lbs AC:3.50kg/7.7lbs |\2.*Candela measurements representative of performance with clear lens at optimum voltage. *SPL data +/-3dB(A). Measured at optimum voltage.

Part Codes

Version	Part code:
12V dc	HMCA11205DC12G-xx
24V dc	HMCA11205DC24G-xx
115V ac	HMCA11205AC115G-xx
230V ac	HMCA11205AC230G-xx
[xx] = Lens colour:	AM: Amber, BL: Blue, CL: Clear, GN: Green, RD: Red, YW: Yellow

Alarm Sounder

Version:		Voltage:	Current:
24V dc		10-30V dc	375mA*
115V ac	50/60Hz	+/-10%	160mA
230V ac	50/60Hz	+/-10%	75mA

* current at nominal voltage

Xenon Beacon

Version:		Wattage:	Current:
12V dc		10-14V dc	550mA
24V dc		20-28V dc	300mA
115V ac	50/60Hz	+/-10%	140mA
230V ac	50/60Hz	+/-10%	55mA

Tone table

S 1	Description	S 2	S 3
T 1	Industrial Claxon	T 3	T 5
T 2	High Frequency Mechanical Siren	T 1	T 5
T 3	Medium Frequency Mechanical Siren	T 1	T 5
T 4	Electro Mechanical Buzzer	T 2	T 5
T 5	Mechanical Bell	T 1	T 2

No liability is accepted for any consequence of the use of this document. The technical specification of this unit is subject to change without notice due to our policy of continual product development. All dimensions are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.