

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.

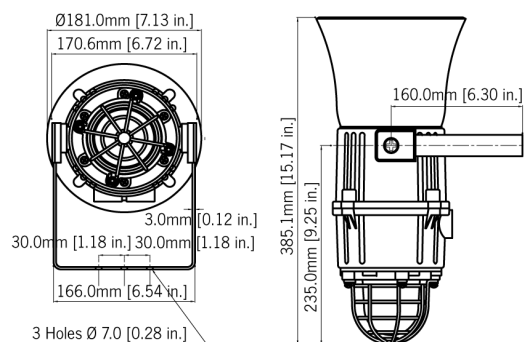
Remote switch generates genuine 'tail off' to sound when alarm is terminated.

- 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

EAC: RU D-GB.GA05.B.12595-20



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 (RAL 7038)
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 4.0mm ² 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

Candela measurements representative of performance with clear lens at optimum voltage.

*SPL data +/-3dB(A). Measured at optimum voltage.

Part Codes

Variable:	Identifier: Description:	
Product type:	HMCA11205 Combined Hootronic alarm horn sounder & Xenon strobe	
Voltage:	AC115	115V ac 50/60Hz
	AC230	230V ac 50/60Hz
	DC012	12V dc (10-14Vdc)
	DC024	24V dc (20-28Vdc)
Cable entries: [e]	A	M20x1.5 & ½" NPT
	B	M20x1.5 & M20x1.5 (Default)
	C	½" NPT & ½" NPT
Stopping plug material: [m]	N	Nylon
Bracket & Guard: [s]	1	316 (A4) Stainless Steel
	3	316 (A4) Stainless Steel with Equipment tag
Product version: [v]	A	CE, EAC
Product option: [o]	1	Standard product
Enclosure colour: [x]	G	Grey
	R	Red
	S	Special colour – contact E2S
Lens colour: [y]	A	Amber
	B	Blue
	C	Clear
	G	Green
	M	Magenta
	R	Red
	Y	Yellow

Accessories:

SP65-0001-A4	Pole Mount Bracket Kit St/St A4 (316)
SP65-0003-A4	Sunshade – St/St A4 (316)

Current Consumption

Product Version:	Nominal Voltage:	Voltage Range:	Beacon Current:	Horn Current:
DC024	24Vdc	18-30Vdc	300mA	375mA
AC115	115Vac 50/60Hz	103.5-126.5Vac	140mA	160mA
AC230	230Vac 50/60Hz	207-253Vac	55mA	75mA

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