

# 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.

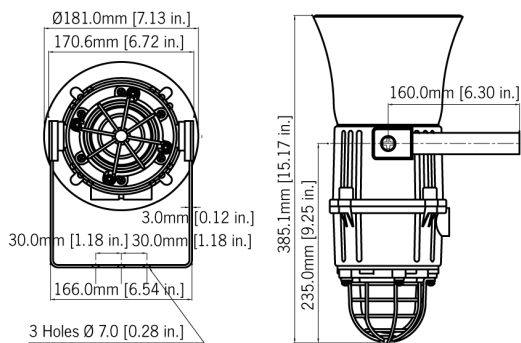
Remote switch generates genuine 'tail off' to sound when alarm is terminated.

- 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 (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 4.0mm<sup>2</sup> 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  
 | \2.0\* 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

## 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

<b>S 1</b>	<b>Description</b>	<b>S 2</b>	<b>S 3</b>
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