

HAL121X Electronic Siren, Buzzer, Claxon & Bell with Xenon Beacon

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 121dB(A) at 1 metre the HAL121X 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.

- 5J Xenon strobe beacon – 200cd output.
- Automatic synchronisation on multi-sounder system.
- Continuously rated.
- Stainless steel fixings.
- Unit can be mounted using external lugs or internal BESA compatible fixing positions.
- 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: 121dB(A) @ 1m +/- 3dB - Tone 2 [112dB(A) @ 10ft/3m]

No. of tones: 5

No. of stages: 3

Volume control: Max. 121dB(A); Min. 112dB(A) approx.

Effective range: 300m/984ft @ 1KHz

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: 86,935 cd* - measured ref. to I.E.S.

Effective Intensity cd: 200 cd* - measured ref. to I.E.S.

Lens colours: Amber, Blue, Clear, Green, Magenta, Red & Yellow

Tube life: Emissions are reduced to 70% after 5 million flashes

General:

Voltages DC: 24V dc

Voltages AC: 115V ac; 230V ac

Ingress protection: IP56

Housing material: High impact UL94 V0 & 5VA FR ABS

Colour: Red (RAL3000) & grey (RAL7038)

Cable entries: 2 x M20 clearance gland knockouts in side & back

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: 2.30kg/5.06lbs AC:2.90kg/6.38lbs

*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 HAL 121XDC012[x]/[y]

24V dc HAL 121XDC024[x]/[y]

115V ac HAL 121XAC115[x]/[y]

230V ac HAL 121XAC230[x]/[y]

[x] = Housing colour: R: Red, G: Grey

[y] = Lens colour: A: Amber, B: Blue, C: Clear, M: Magenta, G: Green, R: Red, Y: Yellow

Note: Suffix part code with -F for forward facing Xenon beacon orientation.

Current Consumption

Product Version:	Nominal Voltage:	Voltage Range:	Beacon Current:	Horn Current:
DC024	24Vdc	18-30Vdc	250mA	375mA
AC115	115Vac 50/60Hz	103.5-126.5Vac	70mA	160mA
AC230	230Vac 50/60Hz	207-253Vac	35mA	75mA

Tone table

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