

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

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 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

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



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 8 million flashes

General:

Voltages DC: 12V 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 HAL121XDC012 [x]/[y]

24V dc HAL121XDC024[x]/[y]

115V ac HAL121XAC115[x]/[y]

230V ac HAL121XAC230[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.

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 500mA

24V dc 20-28V dc 250mA

115V ac 50/60Hz +/-10% 70mA

230V ac 50/60Hz +/-10% 35mA

Tonetable

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