

Technical Bulletin

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What is the Hootronic range?

The E2S brand, Hootronic, is a range of electronic audible signals that uses class D amplifier technology to enable high quality playback of legacy electro-mechanical signalling device alarm sounds that have been recorded and digitally stored.

The industrial versions are available in three sizes using ABS enclosures and are capable of being combined beacons and lights from the [Spectra](#) and [AlertAlight](#) ranges.

The BEx versions provide suitability for hazardous locations and carry ATEX, IECEx and INMETRO approval.



The alarm sounds which can be produced are as follows:




1.  [↓](#) Industrial claxon / motor driven horn
2.  [↓](#) High frequency motor driven siren
3.  [↓](#) Medium frequency motor driven siren
4.  [↓](#) Electro mechanical buzzer / horn
5.  [↓](#) Electro mechanical bell

Available in a number of voltage versions offering up to 3 stages (channels) of alarm this allows a number of different tones to be triggered from a single device. Hootronic signals are continuously rated (100% duty cycle), have low start-up & running current, no moving parts and a relatively better degree of EMC (Electromagnetic Compatibility) compliance.

Applicable product ranges

[Hootronic](#)

Product	Nominal Output dB(A) @ 10'	Nominal Output dB(A) @ 1m	Effective Range: Alarm tone sound output at 70dB(A)**	Audible Range: Alarm tone sound output at 60dB(A)**
 HA105N	103	112	413' / 125m	1306' / 398m
 HA121	112	121	1165' / 355m	3680' / 1122m

Product	Nominal Output dB(A) @ 10'	Nominal Output dB(A) @ 1m	Effective Range: Alarm tone sound output at 70dB(A)**	Audible Range: Alarm tone sound output at 60dB(A)**
 HMA121	115	124	1,643' / 501m	5,183' / 1,580m
 BExH120-R	97	106	206' / 63m	652' / 199m
 BExH120	108	117	735' / 224m	2,322' / 708m

**In free field conditions

Effective range where Ambient < 65 dB(A).

Effective distance may be reduced by at least 82% for ambient background noise > 80 dB(A)

Effective distance may be reduced by at least 90% for ambient background noise > 85 dB(A)

The Hootronic alarm horn sounders can be combined with visual signals. [View the entire Hootronic range here.](#)

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