

BExH120 'Belltronic' Explosion Proof Bell

The flameproof BExH120 Belltronic Signalling Bell is suitable for Zone 1, 2, 21 & 22 applications. Approved to IECEx, ATEX, Ex EAC and INMETRO standards. . The BExH120 authentically reproduces the traditional sound of a electro-mechanical bell whilst providing a significantly higher level of performance and reliability.

The digitally stored bell recording is output via a class D amplifier achieving sound levels exceeding the performance of a mechanical bell whilst offering a continuously rated signal. The radial horn design not only physically emulates the traditional bell it also replicates the distribution of the audible signal.

Features

- Marine grade, corrosion proof, LM6 aluminium enclosure.
- Ingress protection IP66/67
- Stainless steel fixings
- Dual M20 cable entries – adaptors available.
- Stopping plug included.
- Reverse polarity diode fitted.
- Digitally stored mechanical bell sound.
- Continuously rated.
- Maintenance free.
- Very large termination area.
- Ratchet adjustable stainless steel 'U' bracket.

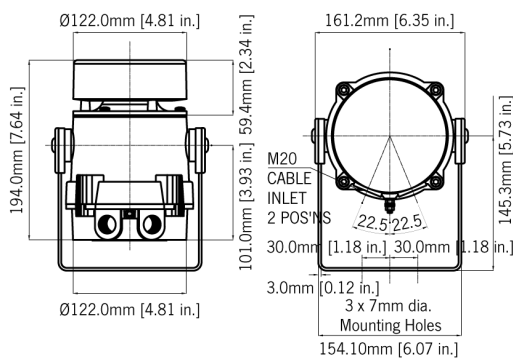
Approvals

- IECEx Certificate: KEM 10.0003X
- ATEX Certificate: KEMA 99ATEX6312X
- TR-CU Ex EAC certificate: RU C-GB.HA65.B.01252_21
- INMETRO certificate: 104Ex-0009
- UKCA certificate: UL22UKEX2638X

Coding

- II 2G Ex db IIB T4 Ta -50° to +70°C
- II 2G Ex db IIC T4 Ta -50° to +55°C
- II 2D Ex tb IIIC T100°C Db Ta -50°C to +55°C
- II 2D Ex tb IIIC T115°C Db Ta -50°C to +70°C





Specification

Nominal output:	106dB(A) @ 1m +/- 3dB [97dB(A) @ 10ft/3m]
Volume control:	Yes
Voltages DC:	24vdc
Voltages AC:	115vac; 230vac
Stage switching:	Negative
Ingress protection:	IP66/67
Enclosure matl:	Marine grade copper free LM6 Aluminium
Enclosure finish:	Chromate & powder coated finish ISO 12944-6 CX, C5VH & C5H
Colour:	Red Grey Special - available on request
BExH120 horn:	High impact UL94 V0 & 5VA FR ABS
Cable entries:	Dual M20 ISO (one stopping plug inc)
Terminals:	0.5 - 2.5mm ² (20-14 AWG)
Enclosure volume:	<2 litres
Line monitoring:	Blocking diode included EOL Min. 500 Ohm 2w, or 3k3 Ohm 0.5w resistor or diode (DC versions) can be fitted
Relative humidity:	95% - Additional tropicalisation is recommended for applications where both high relative humidity and high ambient temperatures exist
Weight :	DC: 3.20kg/7.04lbs AC: 3.40kg/7.48lbs

Part Codes

Part Code:	Identifier:	Description:
Product type:	BExH120	Explosion proof Belltronic
Type:	DR	Ex d, Radial omni-directional horn
Voltage:	DC024 AC115 AC230	24V dc 115V ac 240V ac
Cable entries:[e]	A B C D E F G	2 x M20x1.5mm 2 x 1/2" NPT - adaptors 2 x 3/4" NPT - adaptors 2 x M25x1.5mm - adaptors 1 x 1/2" NPT - adaptor 1 x 3/4" NPT - adaptor 1 x M25x1.5mm - adaptor
Stopping plug/ adaptor material:	B N [m] S	Brass Nickel Plated Stainless Steel
Bracket matl & tag:	1 2 3 4	A2 304 Stainless Steel A4 316 Stainless Steel A2 304 St/St with Equip. Tag A4 316 St/St with Equip. Tag (304)
Product version: [v]	A1	Default - IECEx, ATEX, Ex EAC & INMETRO
Enclosure colour:	R [x] G S	Red Grey Special - contact E2S
Accessories:	SP65-0001-A4 SP65-0003-A4	Pole Mount Bracket Kit St/St A4 (316) Sunshade - St/St A4 (316)

Current Consumption

Voltage:	Current:
24V dc	400mA
115V ac	50/60Hz 130mA
230V ac	50/60Hz 65mA

Tone table

S 1	Description	S 2	S 3
T 1	Industrial Hooter	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