

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.

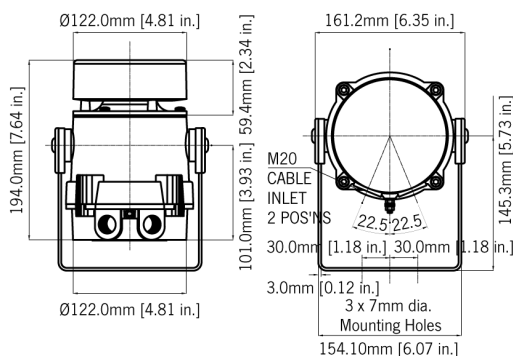
Approvals

- IECEx KEM 10.0003X
- ATEX KEMA 99ATEX6312X
- TR-CU Ex EAC certificate: RU C-GB.AA71.B.00109
- INMETRO certificate: 104Ex-0009

Coding

- II 2G Ex d IIB T4 Ta -50° to +70°C
- II 2G Ex d 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 – anti-corrosion.
Colour:	RAL3000 Red Grey RAL7038 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

Version:	Part code:	
Product type:	BExH120	Explosion proof Belltronic
Type:	DR	Ex d, Radial omni-directional horn
Voltage:	DC024	24V dc
	AC115	115V ac
	AC230	240V ac
Cable Entry Type:	A	2 x M20x1.5mm
[e]	B	2 x 1/2" NPT – adaptors
	C	2 x 3/4" NPT – adaptors
	D	2 x M25x1.5mm – adaptors
	E	1 x 1/2" NPT – adaptor
	F	1 x 3/4" NPT – adaptor
	G	1 x M25x1.5mm – adaptor
Adaptor/Stopping plug material: [m]	B	Brass
	N	Nickel Plated
	S	Stainless Steel
Bracket matl & tag: [s]	1	A2 304 Stainless Steel
	2	A4 316 Stainless Steel
	3	A2 304 St/St with Equip. Tag
	4	A4 316 St/St with Equip. Tag (304)
Product version: [v]	A1	Default – IECEx, ATEX, Ex EAC & INMETRO
Enclosure colour: [x]	R	Red RAL3000
	G	Grey RAL7038
	S	Special – contact E2S
Accessories:	SP65-0001-A2	Pole Mount Bracket Kit 2" St/St A2 (304)
	SP65-0001-A4	Pole Mount Bracket Kit 2" St/St A4 (316)
	SP65-0003-A2	Sunshade – St/St A2 (304)
	SP65-0003-A4	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