



## BEx Flameproof Sounders, Beacons and Sounder Beacons

The Cranford Controls' range of Flameproof products has been designed for use in Fire, Security and Plant Control applications in Hazardous areas. The range includes sounders, beacons and sounder beacons with a supporting range of Manual call points.

The range of Flameproof devices is of a rugged construction and has been designed for use in Zone 1 & Zone 2. Other product variants in the range are suitable for use in areas where dust is present and certified for category Zones 21 & 22.

A range of sound output levels are available, up to a maximum of 117dB(A) at 1 metre, with a choice of 32 alarm tones and 3 remotely selectable stages, via additional wiring. The beacons can be provided in a variety of lens colour and light outputs. The BEx range is manufactured from corrosion resistant, marine grade copper free, LM6 aluminium which is phosphated and powder coated. The flare horns are made from high impact, fire retardant ABS.

## Features

- ATEX approved - model specific approvals
- High weather resistance- IP66/67
- M20 cable terminal entry as standard - 2 off
- Very large termination area
- Automatic synchronisation on beacon & sounders
- Xenon tubes mechanically secured against shock & vibration
- Variety of lens colours and light output available



## Technical - BEx Flameproof sounder

Maximum output	117dB(A) @ 1 metre
Nominal output	110dB(A) @ 1m +/- 3dB - Tone 2
No. of tones	32 (UKOOA / PFEER compliant)
No. of stages	3
Voltages:	12vdc; 24vdc; 48vdc, 115vac; 230vac
Stage switching	Negative or positive
Ingress protection	S110D : IP66/67 S110E : IP66
Housing material	Marine grade copper free LM6 Aluminium
Housing finish	Phosphated & powder coated Finish - anti-corrosion

## Technical - BEx Flameproof Beacon

Flash rate	1Hz (60 fpm)
Effective candela	250 cd - calc. from energy (J)
Effective candela	105 cd* - measured ref. to I.E.S.
Lens colours	Amber, Blue, Clear, Green, Red & Yellow
Voltages DC:	12vdc 24vdc; 48vdc, 115vac; 230vac
Ingress protection	BG05D : IP66/67 :BG05E :IP66
Housing material	Marine grade copper free LM6 Aluminium
Housing finish	Phosphated & powder coated finish - anti-corrosion.

## Technical - BEx Flameproof Sounder Beacon

Ingress protection	IP66/67
Housing material	Marine grade copper free LM6 Aluminium
Housing finish	Phosphated & powder coated
BExCS110-05 flare	High impact UL94 V0 & 5VA FR ABS (Red)
BExDCS110-05 flare Anti-Static	High impact ABS (Black)
Cable entries	Dual M20 ISO (one stopping plug inc) Terminals 0.5 to 4.0mm <sup>2</sup> cables
Line monitoring	Min. 500 Ohm 2w, or 3k3 Ohm0.5w res. or diode (dc versions)
Weight	DC: 4.80kg AC: 5.00kg

## Part numbers

306-001	BExS110D sounder, red body
306-002	BExBG05D beacon, red body, red lens
306-003	BExCS110-05D sounder/beacon