



BExCS110-05D

Combined sounder and flashing beacon

Flameproof for use in gas & dust hazardous areas

- ◆ **Flameproof**
ATEX gas
or ATEX gas & dust
Both versions have
IECEx certification
- ◆ **High output sounder**
110dB(A) typical
5 joule Beacon
- ◆ **IP67 protection**
- ◆ **32 different sounds**
- ◆ **Second & third stage sounds**

The BExCS110-05D is a flameproof combined sounder and flashing beacon for use in hazardous areas. Separate terminals for the sounder and beacon enable each to be controlled individually and a wide selection of lens colours plus 32 different sound outputs result in a versatile device which will satisfy most applicational requirements.

Three different sounds may be remotely selected so that one combined sounder and beacon can indicate three different alarm conditions. When maximum loudness is not required, the level may be reduced by an internal volume control.

The beacon produces a regular bright flash once every second and will attract attention in most lighting conditions.



BEKA associates

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SPECIFICATION

Power Supply

Model	24Vdc	115Vac	230Vac
Voltage	20 to 28V dc	115V±10%	230V±10%
Current	sounder 250mA	110mA	56mA
	beacon 270mA	140mA	55mA

Output

Sounder	110dB(A) nominal ±3dB at 1m 32 selectable sounds Three stage output
Beacon	5 joule Xenon at 1Hz Choice of six lens colours: amber, blue, clear, green, red, yellow

Certification

Europe ATEX

Code	Group II Category 2G Ex d IIB T4 Tamb -50 to +70°C] Dust option See How to Order
or	Group II Category 2D Ex tD A21 IP6X T100 Tamb +55°C Ex tD A21 IP6X T115 Tamb +70°C	
Certificate no.	KEMA 01ATEX2223X	

Location

Gas	Zone 1 or 2
Dust	Zone 21 or 22

End of line monitoring A resistor or diode may be fitted inside the enclosure monitoring or line continuity. The resistor must have a minimum value of 3,300W and a minimum power rating of 0.5W, or a minimum value of 500W and a minimum power rating of 2W. (24V model only)

International IECEx

Code	Ex d IIB T4 Ta -50°C to +70°C] Dust option See How to Order
or	Ex tD A21 IP6X T100 Ta +55°C Ex tD A21 IP6X T115 Ta +70°C	
Certificate no.	ECEX KEM 10.0025X	

Environmental

Operating temp.	-50 to +70°C See certificate for details
Storage temp.	-50 to +70°C
Enclosure	IP67
EMC	In accordance with EU Directive 2004/108/EC

Mechanical

Enclosure material

Body	Marine grade LM6 aluminium, phosphated & powder coated finish providing good resistance to high humidity and salt spray.
Horn	
Gas cert.	High impact UL94, V0 & 5VA FR ABS
Dust cert.	Anti-static, high impact ABS
Lens	Glass
Lens guard & fittings.	Stainless steel
Terminals	Screw clamp for 0.5 – 4mm ² cables
Cable entry	Two M20, one fitted with stopping plug
Weight	5kg

Accessories

Pipe mounting kit	BA393 stainless steel heavy duty using 'V' bolt for 40 - 80mm outside diameter vertical or horizontal pipe.
Tag plate	Etched stainless steel plate fitted to beacon 'U' bracket.

HOW TO ORDER

Please specify

Cert. & Model No.	BExCS110-05D
Gas cert.	BEExCS110-05D
Gas & dust cert.	BEExDCS110-05D
Voltage	24V dc; 115V ac or 230V ac
Lens colour	Red; amber; yellow; green; blue or clear

Accessories

Tag plate	Legend required
Pipe mounting kit	BA393

