

TECHNICAL SPECIFICATION

BExCL15-05D & BExDCL15-05D ATEX EEx Combined Loudspeaker & Beacon



- CL15-05D : EEx d IIB T4 (Tamb. -50 to +55°C)
- ATEX / CENELEC / FTZU / IECEx / GOST R

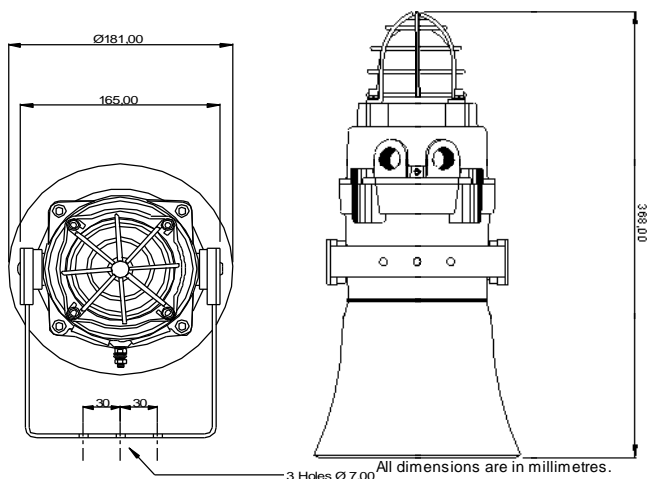
Loudspeaker.

- SPL : 102dB +/-3dB @ 1w @ 1m - Pink noise
113dB +/-3dB @ 15w (rated power) @ 1m
- 70v line transformer : 15w / 7.5w / 3w / 1w tapings
(z=336.67 Ohms / 653.33 Ohms / 1.6kOhms / 4.9kOhms)
- 100v line transformer : 15w / 7.5w / 3w / 1w tapings
(z=666.87 Ohms / 1.34kOhms / 3.34kOhms / 10kOhms)
- Impedance version : 8 Ohm or 16 Ohm
- Dispersion : 120° @ 1kHz & 32° @ 4kHz
- Frequency range : 400Hz to 8000 Hz
- DC Line monitoring : 2.2uF Capacitor (Transformer version)
470uF Capacitor (Impedance version)

Beacon.

- 5 Joule Xenon : 1Hz (60 FPM) (5 Ws).
- Voltages : 12vdc;24vdc;48vdc;115vac;230vac
- Six lens colours : Amber, Blue, Clear, Green, Red & Yellow
- Automatic synchronisation on multi-beacon systems
- Beacons can be set to 'flip-flop' alternating mode with other units on multi-beacon systems
- Tube life : emissions reduced to 70% after 8 million flashes
- Xenon tubes mechanically secured against shock/vibration

- CS110-05D : IP67
- Enclosure material : Marine grade LM6 Aluminium
- Chromated & powder coated finish for harsh environments.
- BExCL15-05D Horn : High impact UL94 V0 & 5VA FR ABS
- BExDCL15-05D Horn : Anti-Static High impact ABS
- Colour available : Red (RAL3000)
- Operating temperature : -50 to +55°C
- Storage temperature : -50 to +70°C
- Large range of certified end of line resistors.
- Weight : 5.00kg
- KEMA Certificate number : 01ATEX2223



- BEx(D)S110 & S120 EEx d & EEx de sounder units with output levels of 117dB(A)
- Programmable versions with 45 tones and 4 stages.
- BEx(D)A110 & A120 EEx d & EEx de Voice Annunciation units.
- BExBG EEx d & EEx de 5, 10 & 15 Joule Xenon beacons
- BEx(D)L15 15 watt & BExL25 25 watt EEx d & EEx de loudspeakers.
- BEx(D)TS110 & BExTBG05 EEx d Telephone ringers and beacons.



BExCL15-05D

Flameproof combination loudspeaker & beacon
Zones 1 & 2

⊕ II 2G EEx d IIB T4

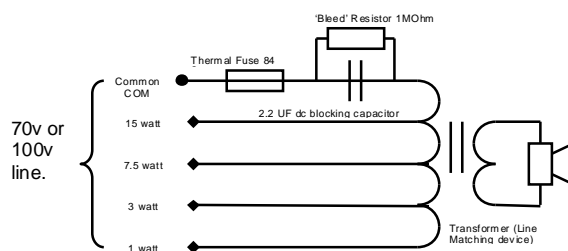
BExDCL15-05D

Flameproof & Dust ignition proof combination loudspeaker & beacon
Zones 1, 2, 21 & 22

⊕ II 2GD EEx d IIB T4 T100°C

Installation Features.

- Very large termination area.
- Dual M20 ISO cable gland entries (supplied with one stopping plug).
- Ratchet adjustable stainless steel 'U' bracket for positive adjustment under harsh conditions.
- IN & OUT terminals
- Terminals accept 0.5 to 4.0mm² cables.
- Line monitoring : Min. 500 Ohm 2w, or 3k3 Ohm 0.5w resistor, or diode within EExd enclosure (dc versions)
- Loudspeaker component third party tested - copy of report available on request or on line at www.e-2-s.com

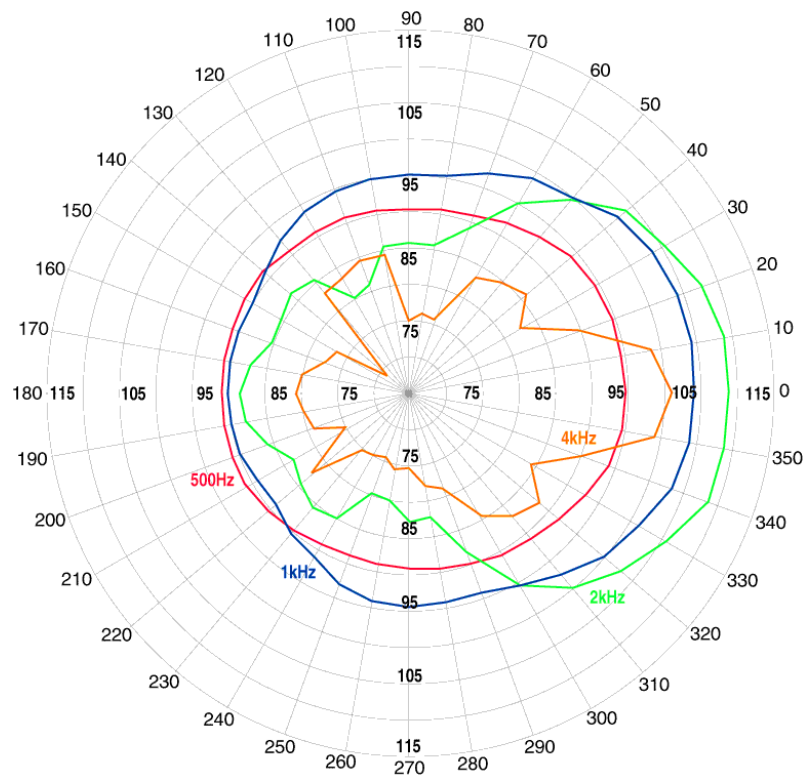
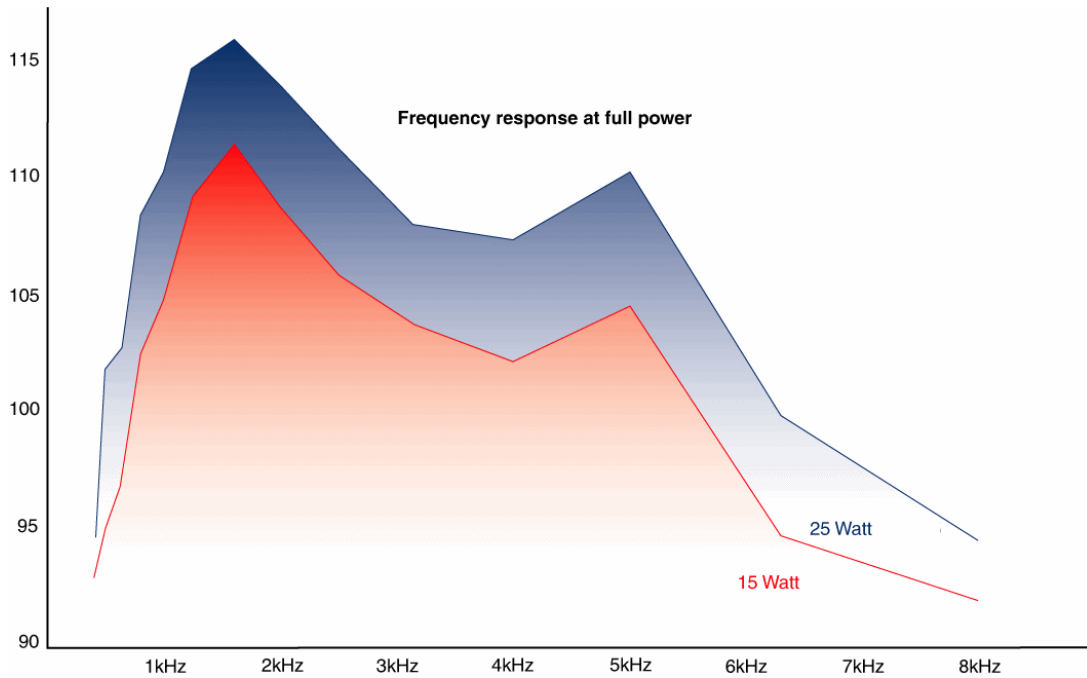


CL15-05D 8 & 16 Ohm low impedance:

Input : 8 Ohm Power : 15Watts I/P Volts : 10.95V
Input : 16 Ohm Power : 15Watts I/P Volts : 15.49V

Input voltages and current consumption for the beacon component:

Voltage :	12vdc	24vdc	48vdc	115vac 50/60Hz	230vac 50/60Hz
Voltage range :	10-14v	20-28v	42-54v	+/- 10%	+/- 10%
Current mA :	750mA	270mA	180mA	140mA	55mA



Ordering code : BExCL15-05D 70V DC 24 - AM

Product	Version	Supply	Voltage	Lens
BExCL15-05D	70V Line	DC	12	A Amber
BExDCL15-05D	100V Line	AC	24	B Blue
	8 Ohm		48	C Clear
	16 Ohm		115	G Green
			230	R Red
				Y Yellow

N.B IMPORTANT NOTICE : THE BExCS110-05D, BExCA110-05D, BExCL15-05D, BExCBG05-05D ARE NOT FOR SALE, RE-SALE, INSTALLATION, OR USE WITHIN THE UNITED STATES OF AMERICA AS A SOLE, MULTIPLE, INTEGRATED, OR INCORPORATED UNIT.

TSP2413-C

No liability is accepted for any consequence of the use of this document. The technical specification of this unit is subject to change without notice due to our policy of continual product development. All dimensions are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.

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