

# BExL15 & BExDL15 ATEX EEx 15 Watt Hazardous Area Loudspeakers



- SPL : 102dB +/-3dB @ 1w @ 1m - Pink noise  
113dB +/-3dB @ 15w (rated power) @ 1m
- L15D : EEx d IIC T4 (Tamb. -50 to +55°C)
- L15E : EEx de IIC T4 (Tamb. -50 to +55°C)
- ATEX / CENELEC / FTZU / IECEx / GOST R
- Suitable for Zone 1 & 2, Gas groups IIC, IIB & IIA
- Rated power : 15 Watts RMS
- 70v line transformer version : 15w / 7.5w / 3w / 1w tapings  
(z=336.67 Ohms / 653.33 Ohms / 1.6kOhms / 4.9kOhms)
- 100v line transformer version : 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)
- L15D : IP67 L15E : IP66
- Enclosure material : Marine grade LM6 Aluminium
- Chromated & powder coated finish - good resistance to humidity and salt spray environments.
- BExL15 Horn: High impact UL94 V0 & 5VA FR ABS
- BExDL15 Horn: Anti-static High impact ABS
- Colour available : Red (RAL3000)
- Operating temperature : -50 to +55°C
- Storage temperature : -50 to +70°C
- Weight : 70/100v line : 3.45kg Low impedance : 3.10kg
- KEMA Certificate number : 99ATEX6312
- Loudspeaker third party tested - copy of report available on request or on line at [www.e-2-s.com](http://www.e-2-s.com)

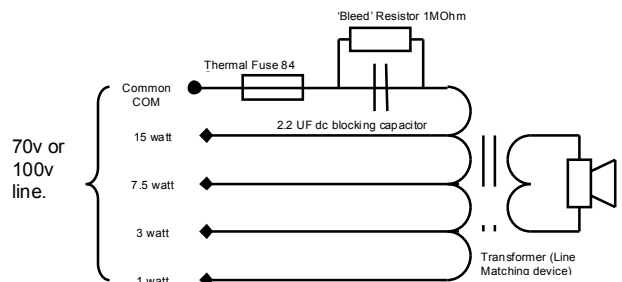


**BExL15D & BExL15E**  
Flameproof loudspeakers  
Zones 1 & 2  
⊕ II 2G EEx d IIC T4  
⊕ II 2G EEx de IIC T4

**BExDL15D & BExDL15E**  
Flameproof & Dust ignition proof  
Loudspeakers  
Zones 1, 2, 21 & 22  
⊕ II 2G/D EEx d IIC T4 T100°C  
⊕ II 2G/D EEx de IIC T4 T100°C

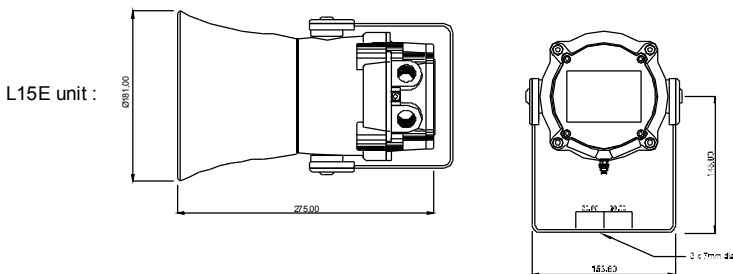
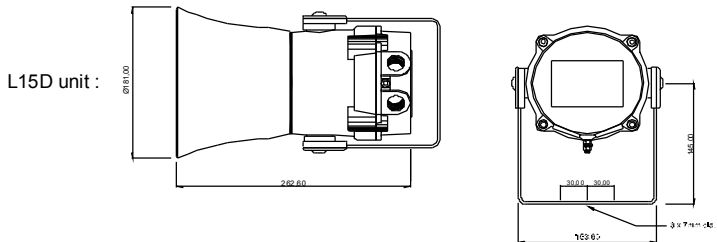
**Installation Features.**

- 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 4.0mm<sup>2</sup> cables.



**L15 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



All dimensions are in millimetres.



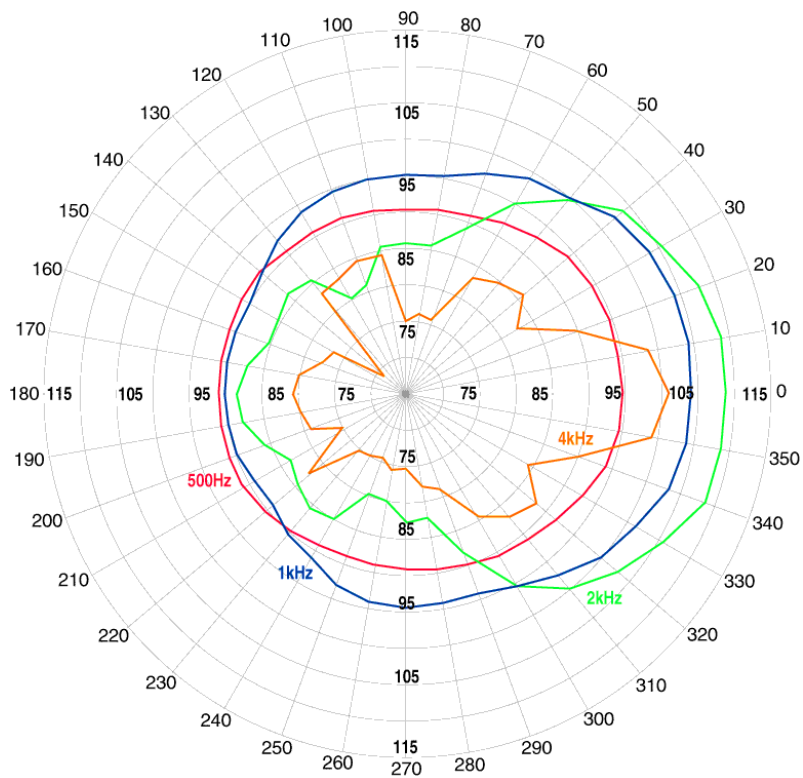
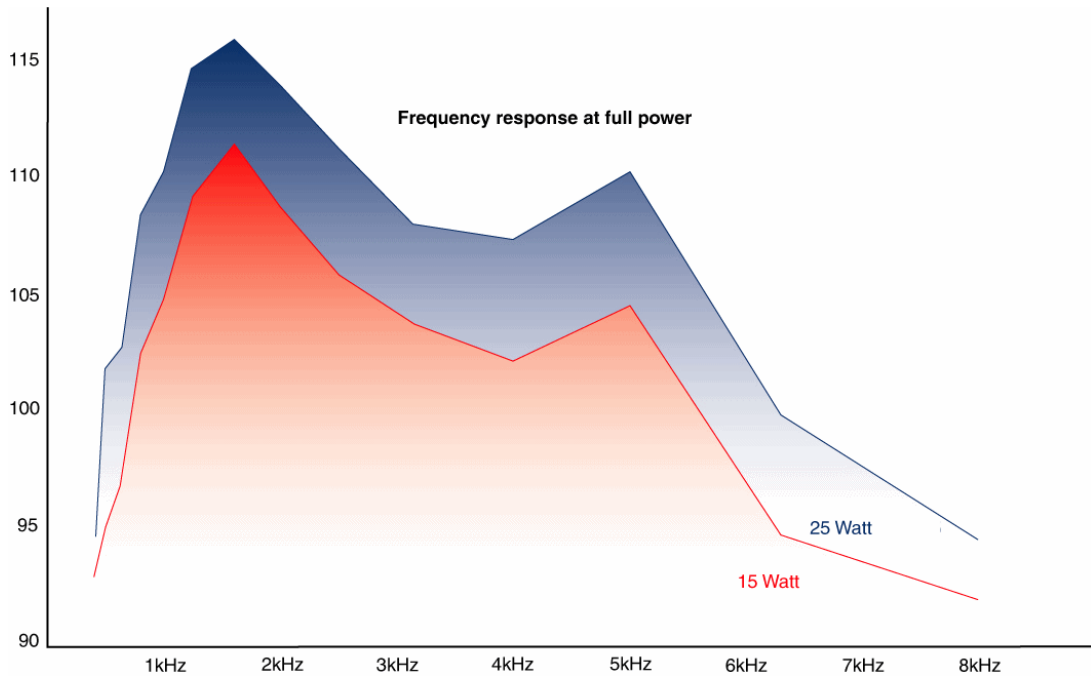
L15D unit :



L15E unit :

**Also available :**

- 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)L25 watt EEx d & EEx de loudspeakers.
- BEx(D)TS110 & BExTBG05 EEx d Telephone ringers and beacons.



Multiple-unit configurations are available on stainless mounting plates. Combine 2, 3 or 4 devices - alarm sounders, loudspeakers, beacons. If required, units can be pre-wired to minimise installation time.

Ordering code :

<u>BExL15</u>	<u>D</u>	<u>70V</u>
Product	Housing	Voltage
BExL15	D = EEx d IIC	70V
BExDL15	E = EEx de IIC	100V
		8 Ohm
		16 Ohm

TSP2403-C