



Shown with optional swivel mounting bracket

► Models P-LS2B and P-LS2C

Non-Metallic Zone 1 Loudspeakers

Federal Signal's non-metallic loudspeakers, Models P-LS2B and P-LS2C, are designed for use in industrial public address and general alarm applications, where corrosion resistance and ATEX/IEC Certification are required. P-LS2B and P-LS2C loudspeakers are available in an ATEX/IEC Zone 1 explosion-proof version certified IP66 for ingress of dust and combustible gas to either Group IIB or Group IIC.

P-LS2B and P-LS2C loudspeakers, designed to accept an audio input of 100 Vrms, are manufactured from corrosion resistant, anti-static glass-reinforced polyester (GRP). Each speaker is transformer coupled with a maximum power output of 25 watts and is supplied with 10 preset taps (25, 20, 15, 10, 5, 2, 1.5, 1, 0.5 and 0.2 watts) to adjust sound output.

Mounting is provided by a "common template" stainless-steel ratcheted mounting bracket that locks the loudspeaker in position at a specific angle without slipping. Optional swivel mounting bracket contains three slotted mounting holes to further adjust speaker position and adapt to a variety of different surfaces.

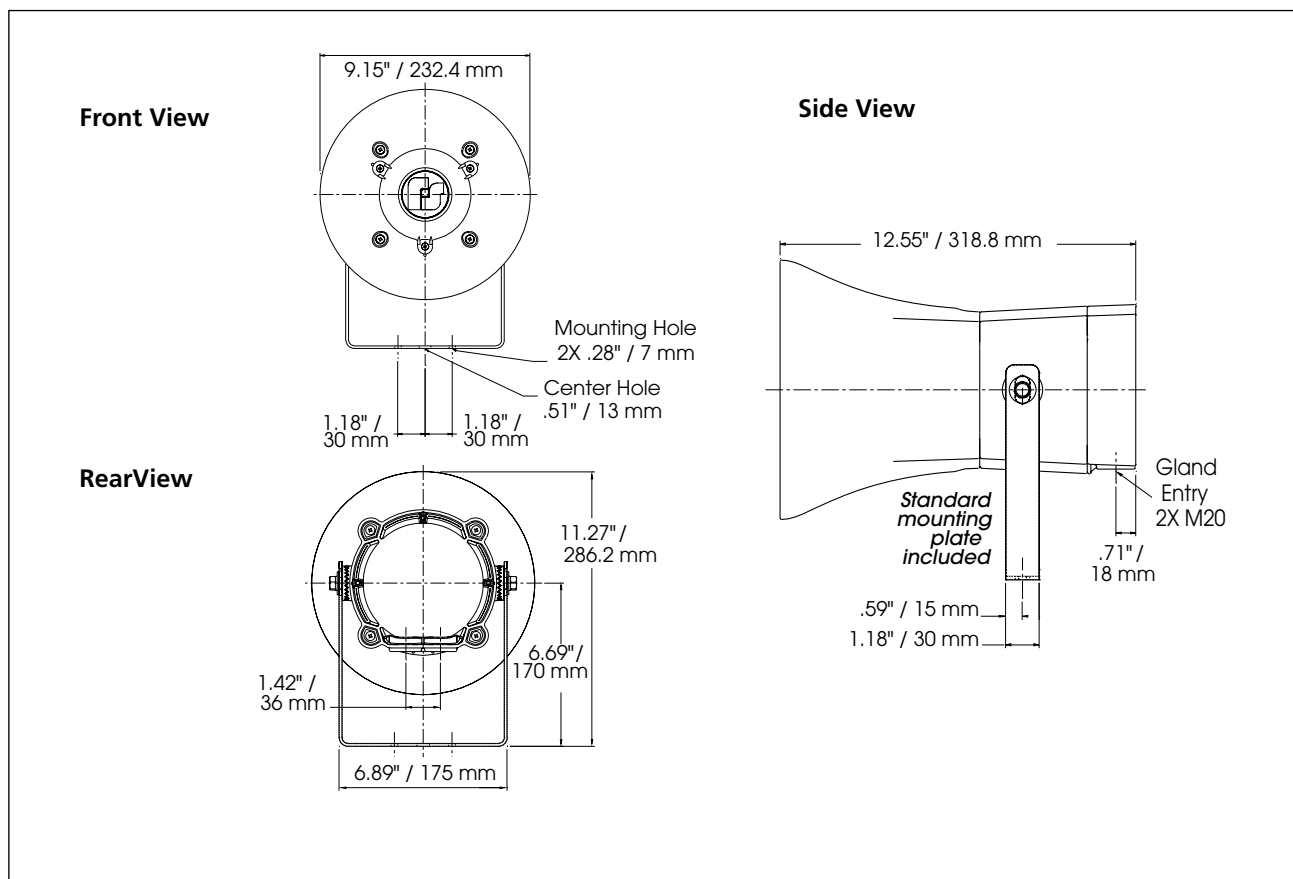
Connection for field wiring is provided by two M20 X 1.5 mm threaded openings in the bottom of the rear cover and terminated via internal terminal blocks. All external hardware is manufactured from stainless steel to resist corrosion and provide serviceability for years to come.

FEATURES

- Transformer coupled
- 100 Vrms
- 25 watt
- Re-entrant horn design
- Indoor/outdoor use
- U-Mounting bracket included, optional swivel mount bracket available
- IP66 rated
- ATEX and IECEx Certified for Zone 1, Gas Groups IIB and IIC

MODEL	POWER HANDLING	FREQUENCY RESPONSE	POWER TRANSFORMER	TAPS	DECIBELS	
					10'	1M
P-LS2B	25 watt	150Hz - 21kHz	100 Vrms	25, 20, 15, 10, 5, 2, 1.5, 1, 0.5, 0.2	114	124
P-LS2C	25 watt	150Hz - 21kHz	100 Vrms	25, 20, 15, 10, 5, 2, 1.5, 1, 0.5, 0.2	113	123

Non-Metallic Zone 1 Loudspeakers (P-LS2B and P-LS2C)



SPECIFICATIONS

Certificate Number:

ATEX Baseefa10ATEX0096X

IECEX IECEX BAS 10.0052X

P-LS2B  0539  II 2G

Ex d e mb IIB + H2 T5 Gb (-50°C ≤ Ta ≤ +70°C)

T6 Gb (-50°C ≤ Ta ≤ +55°C)

P-LS2C  0539  II 2GD

Ex d e mb IIC T5 Gb Ex tb IIIC IP66 T100°C Db (-50°C ≤ Ta ≤ +70°C)

T6 Gb Ex tb IIIC IP66 T85°C Db (-50°C ≤ Ta ≤ +55°C)

Gland Entries: 2 X M20 X 1.5 mm

Cable Terminations: 0.5 – 4 mm² (22-12 AWG) Conductors

Material: Glass-Reinforced Polyester (GRP)

Color: Black

Audio Input: 100 Vrms

Max. Audio Output: (max.) 124 dBA @ 25 watt (1 meter)

Wide Range Frequency Response: 150Hz – 21kHz

Shipping Dimensions (P-LS2B and P-LS2C):

Diameter: 9.15" 232.4 mm

Height: 11.27" 286.2 mm

Length: 12.55" 318.8 mm

Net Weight: 13.0 lbs 5.9 kg

Shipping Weight: 15.3 lbs 6.9 kg

HOW TO ORDER

Specify Model:

P-LS2B – Corrosion Resistant Loudspeaker, ATEX Zone 1 Rated Gas Group IIB

P-LS2C – Corrosion Resistant Loudspeaker, ATEX Zone 1 Rated Gas Group IIC

OPTIONAL ACCESSORIES

Description

Swivel Mounting Bracket

Part Number

K8595172A

REPLACEMENT PARTS

Description

Standard Mounting Bracket Kit

Swivel Mounting Bracket Kit

P-LS2 Gasket and Fuse Kit¹

Part Number

K8595171A

K8595172A

K859500361A

¹ Includes rear cover gasket kit and fuse module

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