



Shown with optional swivel mounting bracket

- ▶ Models P-LS2B-8 and P-LS2C-8

## 8 Ohm Non-Metallic Zone 1 Loudspeakers

Federal Signal's corrosion resistant loudspeakers, Models P-LS2B-8 and P-LS2C-8, are designed for use in industrial public address and general alarm applications, where corrosion resistance and ATEX/IEC Certification are required. P-LS2B-8 and P-LS2C-8 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-8 and P-LS2C-8 loudspeakers are manufactured from corrosion resistant, anti-static, glass-reinforced polyester (GRP). These loudspeakers are rated for 25 watts and designed to accept an audio input of 14.1 Vrms maximum into its 8 Ohm rated voice coil.

Mounting is provided by a "common template" stainless-steel ratcheted mounting bracket that locks the sounder in position at a specific angle without slipping. The bottom surface of the standard mounting bracket contains three slotted mounting holes.

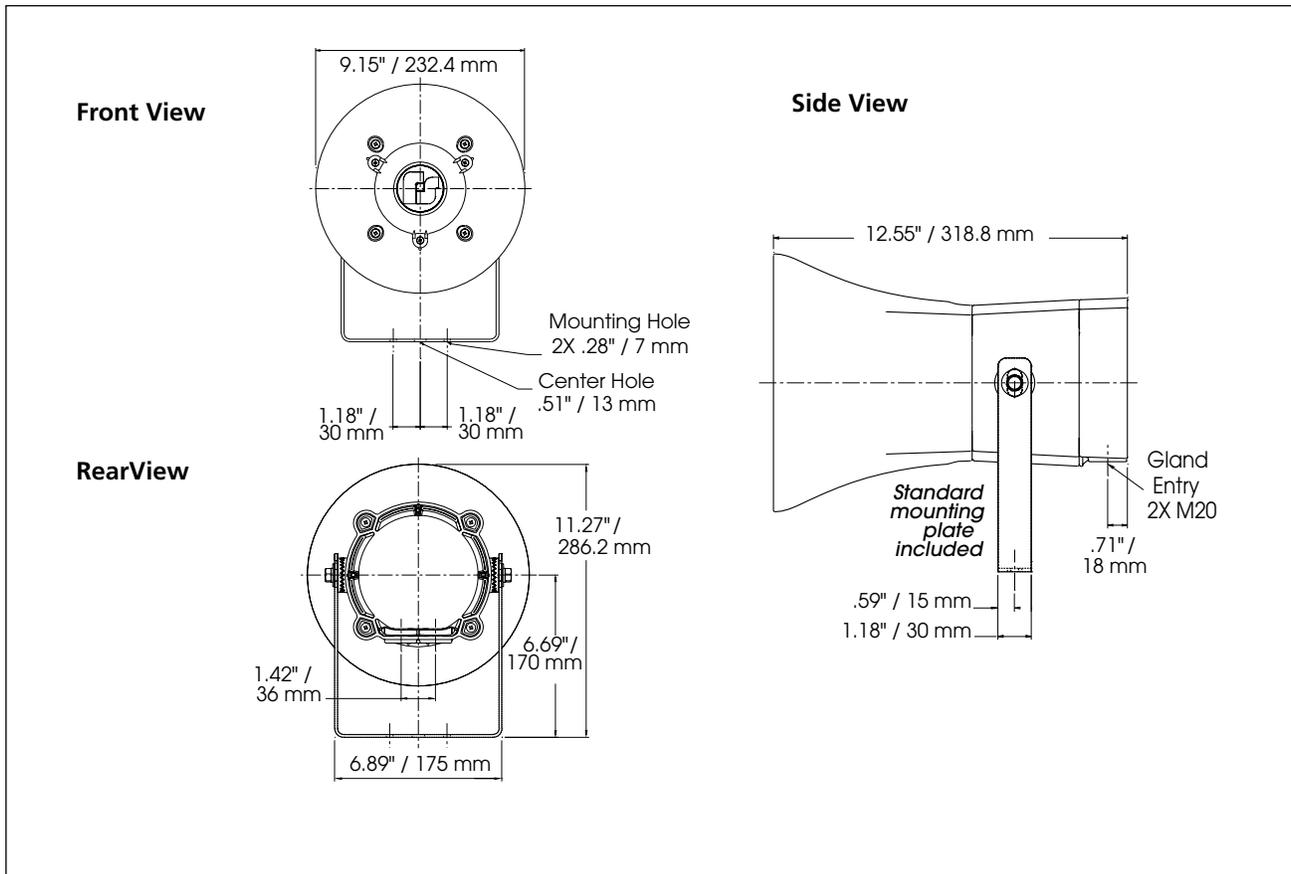
Connection for field wiring is provided by two M20 X 1.5 mm threaded openings in the bottom of the rear cover and terminated via internal terminal blocks. All external hardware is manufactured from stainless steel to resist corrosion and provide serviceability for years to come.

### FEATURES

- Corrosion resistant Anti-Static GRP (Glass-Reinforced Polyester) Design
- U-Mounting bracket included, optional swivel mount bracket available
- Stainless-Steel Hardware
- CE Compliant
- ATEX and IECEx Certified for Zone 1 Gas Groups IIB and IIC
- IP66 rated

MODEL	POWER HANDLING	FREQUENCY RESPONSE	MAXIMUM AUDIO INPUT	IMPEDANCE	DECIBELS	
					10'	1M
<b>P-LS2B-8</b>	25 watt	350 - 14kHz	14.1 Vrms	8 Ω	114	124
<b>P-LS2C-8</b>	25 watt	350 - 14kHz	14.1 Vrms	8 Ω	113	123

## 8 Ohm Non-Metallic Zone 1 Loudspeakers (P-LS2B-8 and P-LS2C-8)



### SPECIFICATIONS

Certificate Number:	ATEX	Baseefa10ATEX0096X
	IECEX	IECEX BAS 10.0052X
P-LS2B-8		CE 0539 Ex II 2G
		Ex d e mb IIB + H2 T5 Gb (-50°C ≤ Ta ≤ +60°C)
		T6 Gb (-50°C ≤ Ta ≤ +45°C)
P-LS2C-8		CE 0539 Ex II 2GD
		Ex d e mb IIC T5 Gb Ex tb IIIC IP66 T95°C Db
		(-50°C ≤ Ta ≤ +60°C)
		T6 Gb Ex tb IIIC IP66 T80°C Db
		(-50°C ≤ Ta ≤ +45°C)
Gland Entries:		2 X M20 X 1.5 mm
Cable Terminations:		0.5 – 4 mm <sup>2</sup> (22-12 AWG) Conductors
Material:		Glass-Reinforced Polyester (GRP)
Color:		Black
Audio Input:		14.1 Vrms
Audio Output (Peak):		(max.) 124 dB @ 25 watts (1 meter)
Frequency Response:		350 – 14kHz
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-8** – Corrosion Resistant Loudspeaker, ATEX Zone 1 Rated Gas Group 2B

**P-LS2C-8** – Corrosion Resistant Loudspeaker, ATEX Zone 1 Rated Gas Group 2C

### OPTIONAL ACCESSORIES

Description	Part Number
Swivel Mounting Bracket	K8595172A

### REPLACEMENT PARTS

Description	Part Number
Standard Mounting Bracket Kit	K8595171A
Swivel Mounting Bracket Kit	K8595172A
Rear Cover Gasket Kit <sup>1</sup>	K859500361A

<sup>1</sup> Includes fuse module

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