



► Model DSA1X

Hazardous Location 100W Non-Amplified Speaker

Federal Signal's Directional Speaker Array (DSA) product line now includes a 100 W non-amplified speaker for hazardous locations, model DSA1X. The DSA1X provides variable taps for 100, 55, 32 or 18 W for use in a variety of applications. It can be powered from a Ultra-Voice Controller or any 25/70 V amplifier.

The DSA1X includes stainless steel hardware for wall or ceiling mount; optional large or small pole mounting brackets and a unique Omni-directional sound deflector are also available.

Combine multiple DSA1X's with a UV controller to create an integrated mass notification system within a hazardous location environment. The DSA1X can be combined with additional DSA1X speakers for a plant wide notification system. With a maximum output of 100 W, the DSA1X speaker addresses customer needs for a cost effective voice and/or tone speaker. This speaker is an ideal solution for existing notification systems where lack of coverage exists and a small compact design is required.

FEATURES

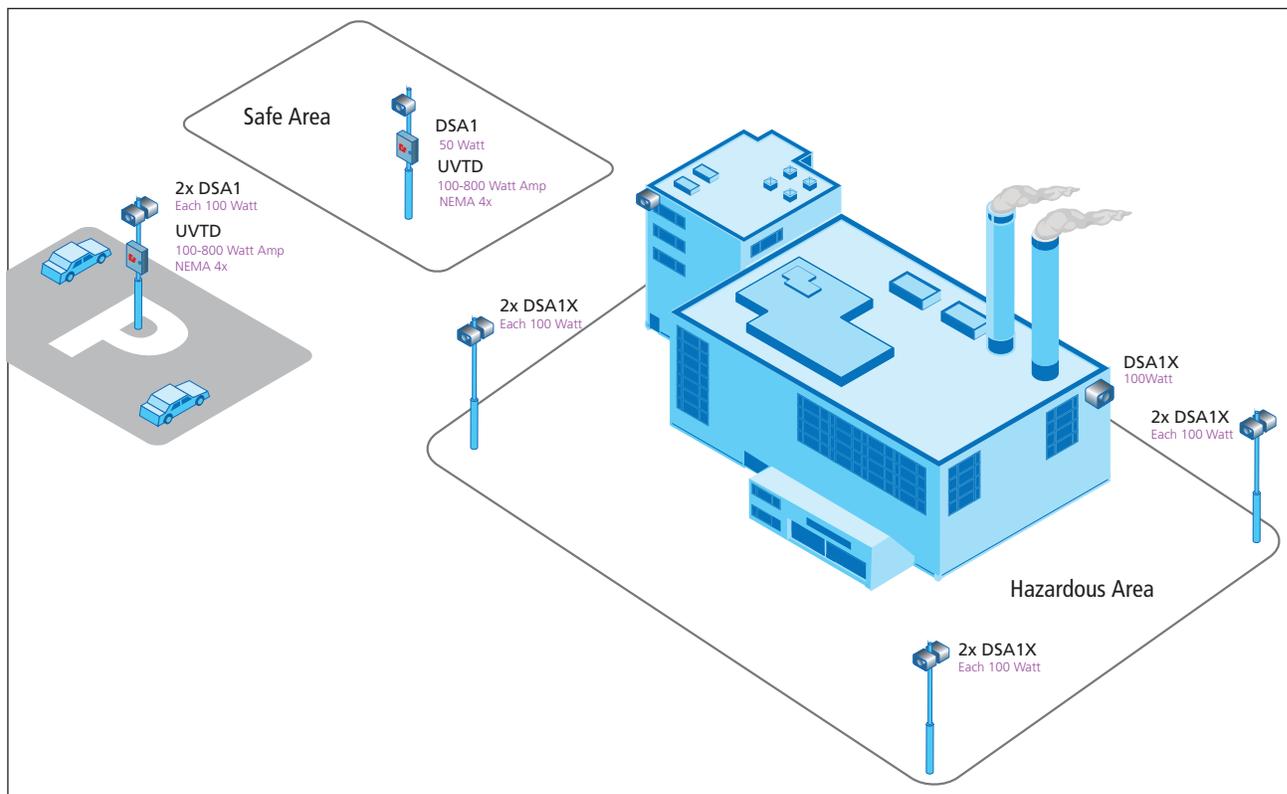
- Indoor/Outdoor 100 W tappable speaker for high-powered voice and tone
- 25 V and 70 V input taps
- Easy to install and service design
- Flexible terminal block for daisy-chaining speaker
- 100 W, 55 W, 32 W, and 18 W output taps
- Ceiling or pole mounts available, wall mount standard
- Optional Omni-directional accessory
- NEMA 4X outdoor rated
- UL and cUL listed for Class I, Division 2; Class II, Division 2; Class III
- 3/4" and 1/2" NPT conduit or gland openings

HAZARDOUS LOCATION RATING

T-CODE AT MAXIMUM AMBIENT TEMPERATURE, °C

Hazardous Location	66°C
• Class I, Division 2, Groups A, B, C, D	T4A
• Class II, Division 2, Groups F, G	T4A
• Class III	T4A

DSA1X Non-Amplified Speaker



S P E C I F I C A T I O N S

- Operating Temperature: -40°F to 150°F (-40°C to 66°C)
- Small size with rugged construction:
7 in x 9 in 10 in (178 mm x 229 mm x 254 mm)
- Maximum Sound Pressure Level @ 100 W
103 dB (± 2 dB) @ 100'
120 dB (± 2 dB) @ 10'
130 dB (± 2 dB) @ 1 m
- Wall or pole mount options
- 25 V and 70 V input taps
- 100 W, 55 W, 32 W, and 18 W output taps
- SPL @ 55 W 117 db @ 10'
 127 db @ 1 M
- SPL @ 32 W 114 db @ 10'
 124 db @ 1 M
- SPL @ 18 W 111 db @ 10'
 121 db @ 1 M
- Net Weight 15.6 lbs 7.08 kg
- Capacitively coupled speaker

H O W T O O R D E R

Description	Part Number
100 W wall mount speaker	DSA1X
Small (6" or less) Pole Mount Bracket	I-IP100-PM
Large (over 6") Pole Mount Bracket	I-IP100-PMW
Omni Directional Option	I-IP100-OMNI
UltraVoice Controller	UVRI-B, UVIC-B, UVTD

*See fedsig.com for more models