

Hazardous Location¹ Horns and Sirens

5522D, 5523D, 5524D, 5525D

Overview²

EDWARDS hazardous location horns and sirens are extremely high decibel, high-performance signaling diode polarized appliances intended for fire alarm and life safety applications. Signals are solid-state with no moving parts or contacts to wear out. They require no maintenance or lubrication. The signals operate with very low current consumption and do not require extra current on start-up.

Standard Features⁴

- Diode polarized for field wiring supervision⁵
- High dB output
- Low current draw
- Corrosion-resistant heat flowed epoxy finish
- Swivel-adjustable mounting

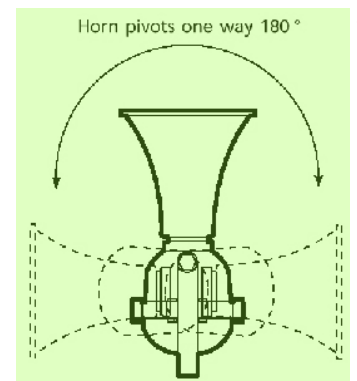
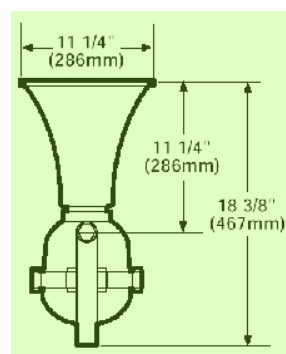
Application⁶

Hazardous location horns and sirens are suitable for many locations including mines, granaries, flour mills, tankers, refineries, laboratories and other applications. They can be used where standard bells or horns are not satisfactory, particularly in areas of high noise levels. 5522D, 5523D, 5524D and 5525D signals are for indoor applications only and are not weatherproof.

Installation⁸

Bolts through the flange on the aluminum alloy casting are epoxy-sealed to prevent disassembly or tampering. Signals mount on any solid surface using three bolts and may be swivelled through 180 degrees horizontally or 180 degrees vertically, depending on the orientation of the mounting yoke. The housing and trumpet are finished with a metallic gray enamel.

All wiring is made to tagged 30-inch (760mm) wire leads. Each unit is equipped with a sealed, threaded ½ inch fitting.



Specifications ¹

Catalog Number	5522D-AW	5523D-AW	5524D-AW	5525D-AW
Output	Horn	Siren	Horn	Siren
Sound Characteristic	Predominant 1.1 KHz (Suitable for Coded signals)	Rises and falls 600 to 1300 Hz every three seconds (Not suitable for coded signals)	Predominant 1.1 KHz (Suitable for Coded signals)	Rises and falls 600 to 1300 Hz every three seconds (Not suitable for coded signals)
Sound Output	109 dBA at 10 ft (3m)	105 dBA at 10 ft (3m)	109 dBA at 10 ft (3m)	105 dBA at 10 ft (3m)
Approvals	Class I, Division 1 & 2, Groups B, C and D		Class I, Division 1 & 2, Groups C and D; Class II, Division 1 & 2, Groups E, F and G; Class III	
Operating Voltage			20 - 24 Vdc	
Current Draw			350 mA	
Wiring Connections			30-inch (760 mm) tagged wire leads	
Finish			Corrosion-resistant heat flowed gray epoxy	

Ordering Information ³

Cat. No.	Description	Ship Wt ⁴
5522D-AW	Horn: 24 Vdc; Class I, Division 1 & 2, Groups B, C and D	25 lb (11.5 kg)
5523D-AW	Siren: 24 Vdc; Class I, Division 1 & 2, Groups B, C and D	25 lb (11.5 kg)
5524D-AW	Horn: 24 Vdc; Class I, Division 1 & 2, Groups C and D; Class II, Division 1 & 2, Groups E, F and G; Class III	25 lb (11.5 kg)
5525D-AW	Siren: 24 Vdc; Class I, Division 1 & 2, Groups C and D; Class II, Division 1 & 2, Groups E, F and G; Class III	25 lb (11.5 kg)