IP66 Analog Horn 25V/70V/8 Ohm

CyberData
The IP Endpoint Company

The new IP66 Analog Horn 25V/75V/8 Ohm is a heavy duty horn rated for outdoor use, while also being appropriate for warehouses, manufacturing plants, garages and any environment needing loud paging.

The device is an analog re-entrant horn with a powerful and efficient compression driver designed for good speech intelligibility and a large area of coverage.

The IP66 rating means that it is built for harsh outdoor environments including high moisture, dust, oil, and high pressure water jets.

When used with the CyberData SIP Paging 25V/70V Amplifier it can provide a cost-effective solution that can greatly extend the sound coverage area. The Horn offers the option of constant voltage at either 25 or 70 volts as well as a traditional 8 Ohm mode. Configured with 5 power tap settings, the user can select the desired wattage and equivalent dB levels for the space served. Easy installation allows multiple horns to tee off a single home run cable to the Amplifier.

The Horn is also used with the CyberData Loudspeaker and Paging Amps listed under Related Products.

Specifications				
Modes	8 Ohm, 25V, 70V			
Direct Impedance	8 Ohms			
Power Handling	20 watts continuous duty			
Power Input	25V, 70V or 8 Ohm			
Audio Output:				
8 Ohm	802.3at: 117.9 (+/- 0.2) dBC @ 1M and 1 kHz* 802.3af: 115.1 (+/- 0.2) dBC @ 1M and 1 kHz*			
Constant Voltage Power Taps	15W	12W	7W	2W
25V	117.5	117	115.2	110.4
70V	116.9	115.9	114	110.9
Frequency Response	400 - 8000K Hz			
IP Rating	IP66			
Storage Temperature	-40° C to 70° C (-40° F to 158° F)			
Storage Altitude	Up to 15,000 ft. (4573 m)			
Operating Range	Temperature: -40° C to 55° C (-40° F to 131° F) Humidity: 5-95%, non-condensing			
Dimensions**	Length: 8.86 in. [225 mm] Width: 9.33 in. [237 mm] Height: 6.38 in. [162 mm] (without stand) 7.09 in. [180 mm] (including stand)			
Weight	3.0 lbs. [1.36 kg]			
Boxed Weight	3.6 lbs. [1.63 kg]			
Warranty	2 Years Limited			
Part Number	011590			

*Recorded output levels when tested with one speaker (011590) using a CyberData Paging Amplifier (011324)
**Dimensions are measured from the perspective of the product being upright with the front of the product facing you.

Features

- Supports 25V, 70V or traditional 8 Ohm power input
- Multiple power tap settings for desired dB output
- High efficiency speaker driver
- Designed for good speech intelligibility
- Suitable for background music

- Weather and corrosion resistant design
- IP66 Rating
- Adjustable mounting base
- 3.28 ft (1m) connected cable

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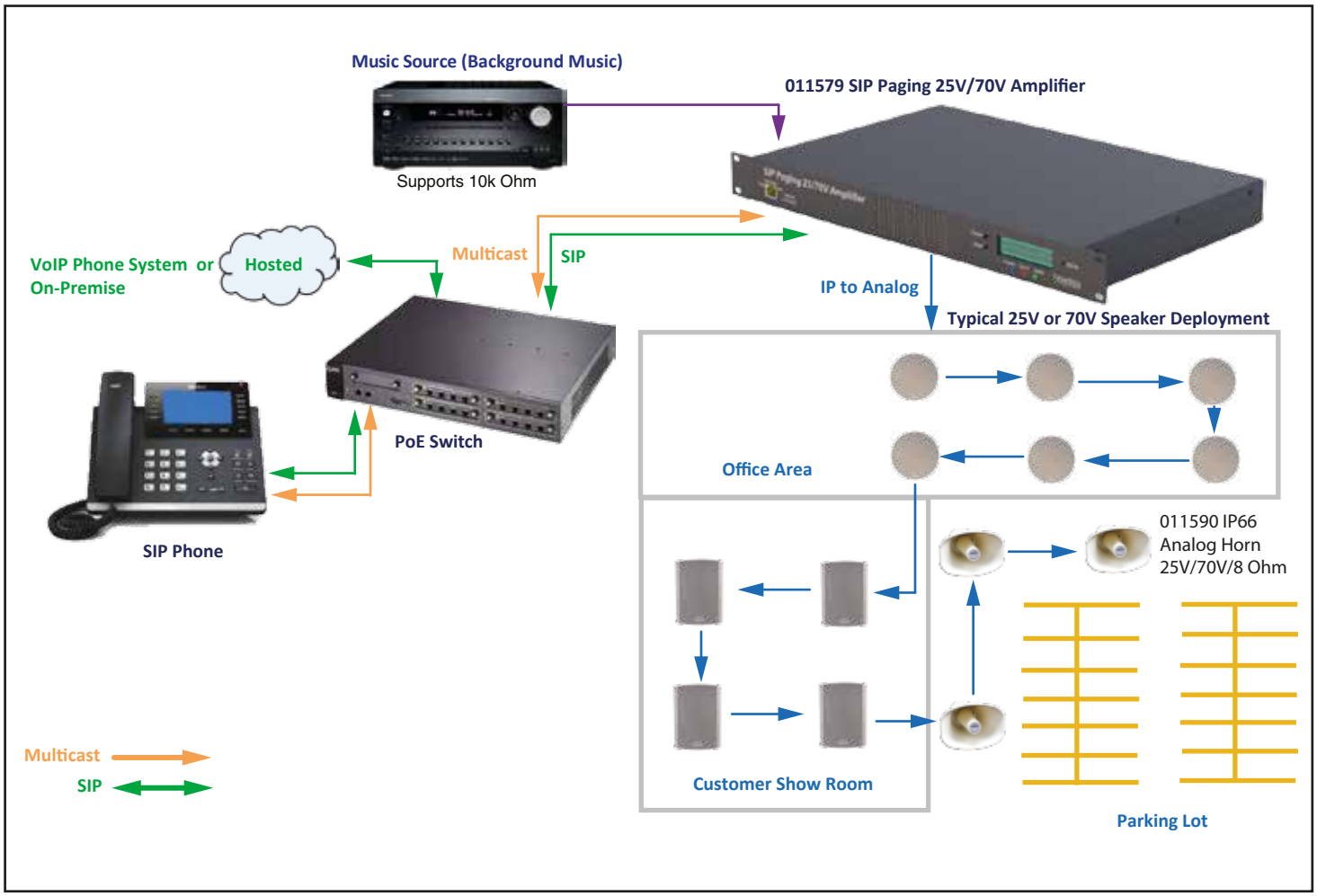
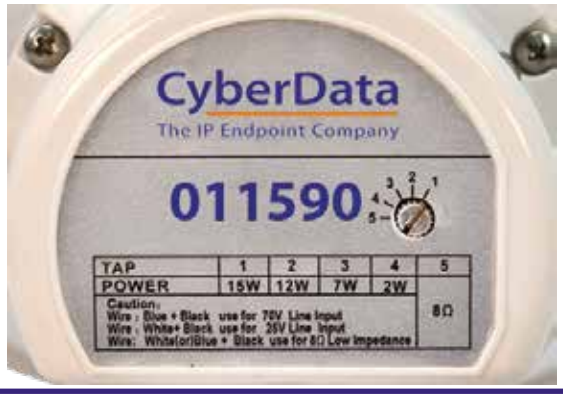
Typical Analog Installation with SIP Paging 25V/70V Amplifier



IP66 Analog Horn db Output Levels*

	Power Tap Settings			
Voltage	15W	12W	7W	2W
25V	117.5	117	115.2	110.4
70V	116.9	115.9	114	110.9

* dBC @ 1M and 1kHz



Speaker Matrix

Note: Configuration as pictured above

	Qty	Power Tap	Total
Ceiling Speakers	6	3.75W	22.5W
Wallmount	4	10W	40W
Horns	3	15W	45W
			107.5W

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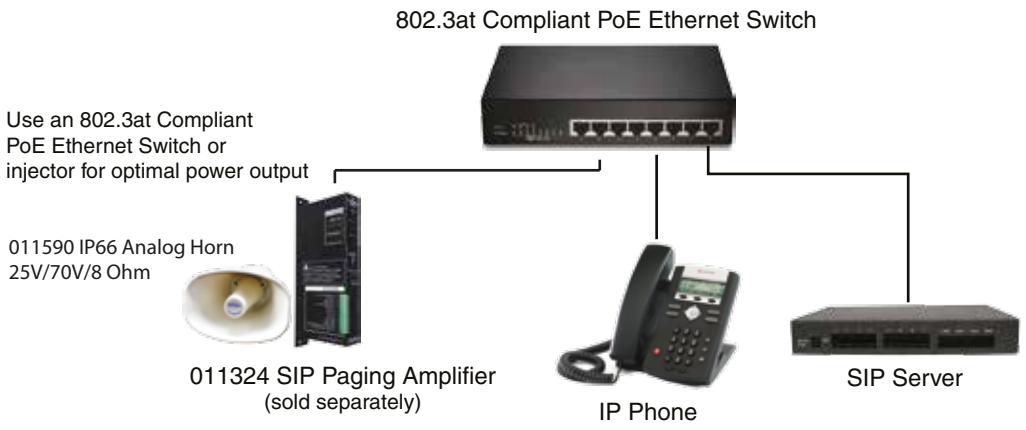
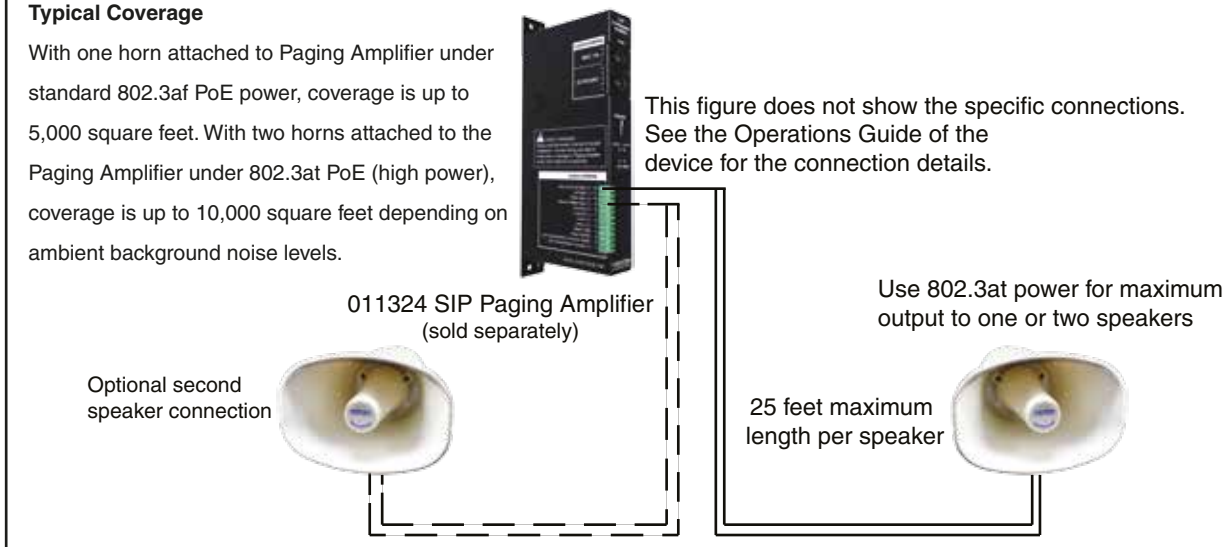
Typical Installation with 011324 SIP Paging Amplifier



Speaker Connection Options

Typical Coverage

With one horn attached to Paging Amplifier under standard 802.3af PoE power, coverage is up to 5,000 square feet. With two horns attached to the Paging Amplifier under 802.3at PoE (high power), coverage is up to 10,000 square feet depending on ambient background noise levels.



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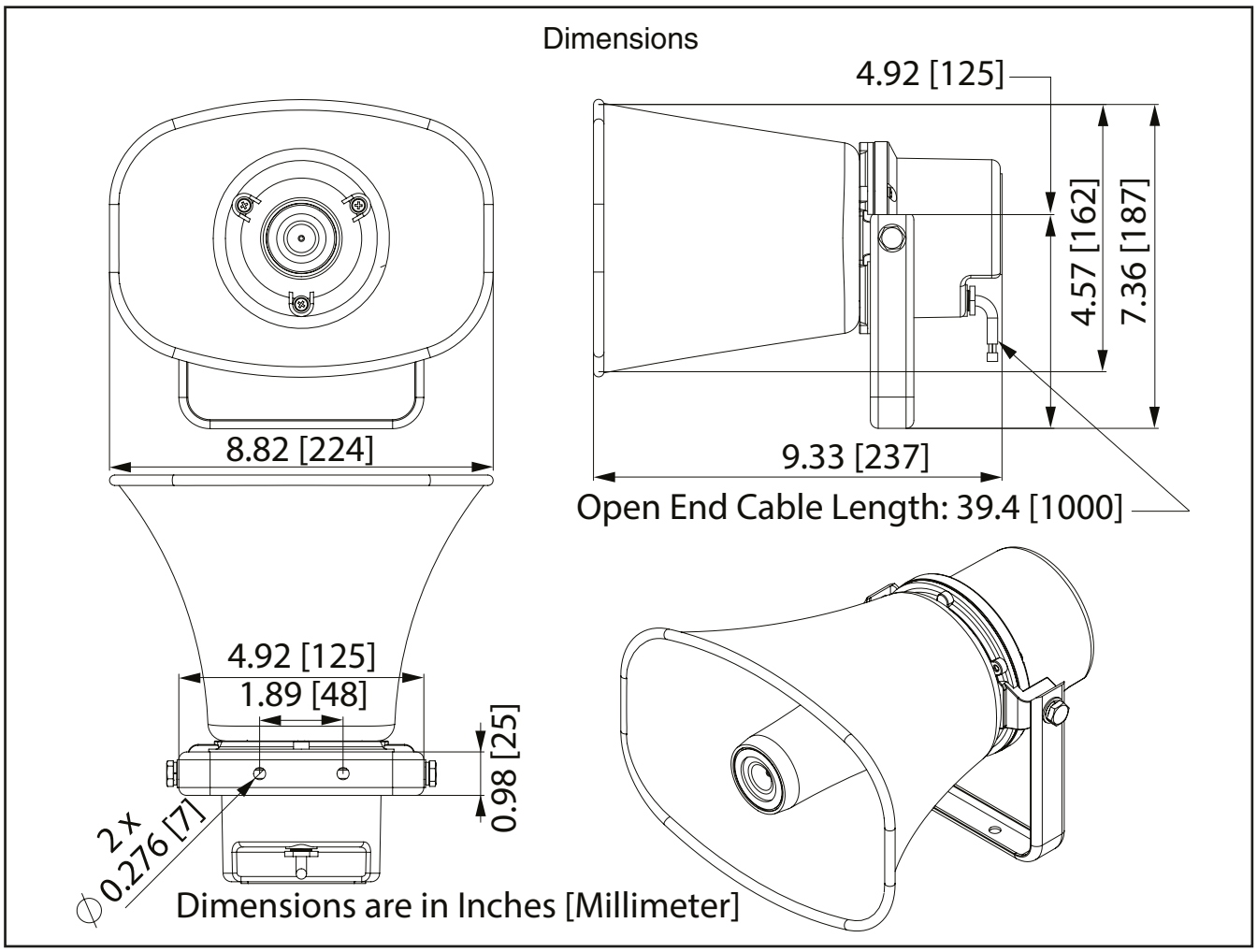

Related Products:

For use with the following SIP-enabled Amplifiers

011579 SIP Paging 25V/70V Amplifier

011324 SIP Paging Amplifier
011403 InformaCast Enabled Paging Amplifier

011405 SIP Loudspeaker Amplifier, PoE
011407 InformaCast Enabled Loudspeaker Amplifier, PoE