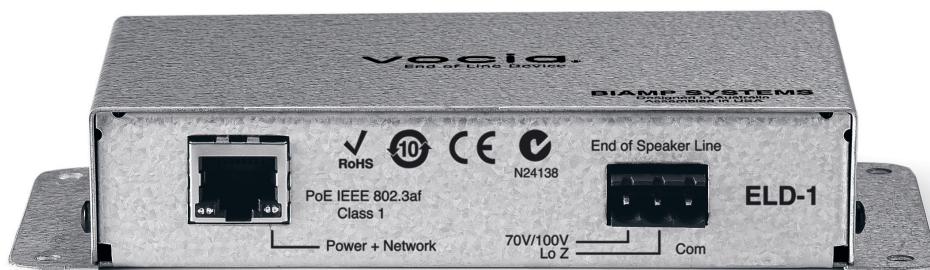# DATA SHEET
VOCIA® ELD-1
END OF LINE DEVICE

The Vocia® ELD-1 is a networked safety device for use with a Vocia amplifier (e.g. VA-8600/VA-8600c) and is an integral part of standard-compliant voice evacuation and mass notification systems. The ELD-1 tests and reports speaker line integrity between itself and the Vocia amplifier. The device can be surface mounted and utilizes IEEE-compliant Power over Ethernet (PoE) technology. The ELD-1 is compatible with both constant voltage and low impedance systems and does not rely on the speaker line as a power source.

FEATURES

- Line monitoring
- Looks for inaudible signal from Vocia amplifier module
- Reports shorts or opens in the speaker line to the network
- Surface mountable
- Power and data over a single Ethernet cable

- Status LED
- One removable terminal block connector
- CE marked, UL listed and RoHS compliant
- Covered by Biamp Systems' 5-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The end of line device shall be designed exclusively for use with Biamp® Vocia systems. The end of line device shall be wall mountable and receive Power over Ethernet (PoE), utilizing a single (CAT5) network cable to an RJ45 connector. The end of line device shall not rely on the speaker cable for powering. The end of line device shall be CE marked, UL listed and shall be compliant with the RoHS directive. Warranty shall be five years. The end of line device shall be a Vocia ELD-1.

VOCIA ELD-1 SPECIFICATIONS

Network Connection:	RJ45 with shielded Ethernet (CAT5, CAT5e, CAT6 or CAT7)
Speaker Line Input Configuration:	Balanced and Floating (transformer coupled)
Speaker Line Input Impedance:	
70/100V Input:	>100kΩ
Low-Z Input:	10kΩ
Max Input Level (AC):	Adjustable in 1dB steps over a 30dB range
System Headroom:	
70/100V Input:	200V
Low-Z Input:	100V

Power:	802.3af (PoE) Class 1
Overall Dimensions:	
Height:	1.1 inches (27 mm)
Width:	6.0 inches (153 mm)
Depth:	3.1 inches (78 mm)
Weight:	0.66 lbs (300 g)
Environment:	
Ambient Operating	
Temperature Range:	32-113° F (0 – 45° C)
Humidity:	0 – 95% non-condensing
Altitude:	0-10,000 Feet (0-3000 Meters) MSL
Compliance:	
	CE marked (Europe)
	RoHS Directive (Europe)
	RINA (Italy)