

## VOCIA® Life Safety Interface (LSI-16) DATA SHEET



The LSI-16 is a networked device that serves as an interface between a Vocia system and emergency or fire alarm systems. The LSI-16 may accept up to three sources of power: main power is from an external, standards compliant, battery backed 24V DC source but the LSI-16 can also utilize Power over Ethernet (PoE) delivered via either of its two network ports. The device is equipped with parallel I/O ports for direct interface to fire and emergency control equipment. The LSI-16 uses Ethernet-based control protocols to function within a Vocia system.

### FEATURES

- Parallel I/O ports for direct interface with fire alarm and emergency equipment
- Emergency control of four zones
- 8 monitored outputs and 8 control inputs
- Redundant network connection and power supply options
- Option module for added control of I/O
- Power and data over a single Ethernet cable
- Local storage of configuration data
- Rotary switches for unit identification
- Status LEDs
- Rack mountable (1RU)
- **CE** marked and **RoHS** compliant
- Covered by Biamp Systems' warranty

### ARCHITECTS & ENGINEERS SPECIFICATION

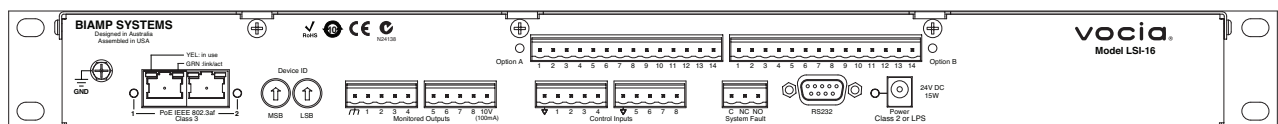
The life safety interface shall be designed exclusively for use with Biamp® Vocia® systems. The life safety interface shall provide a networked emergency interface to third-party emergency and alarm systems. It shall have redundant power supply and network connections. The life safety interface shall be powered from a certified 24V DC power source or over Ethernet (PoE) via either of two network ports. The life safety interface shall have 8 monitored outputs and 8 control inputs and control up to four emergency zones. The life safety interface shall be CE marked and shall be compliant with the RoHS directive. Warranty shall be five years.

The life safety interface shall be a Vocia LSI-16.

## Life Safety Interface 16 SPECIFICATIONS

<b>System Fault Relay:</b> Type: Single 'Form C' voltage-free SPST change-over contact  Load: Resistive Maximum operating voltage: 125VAC, 60VDC Maximum operating current: 600mA AC, 1A DC Maximum switching capacity: 37.5VA, 30W Minimum permissible load: 10µA @ 10mVDC  <b>Parallel Control Inputs:</b> Number: Eight Type: Opto Isolator LED Cathode presented at input – pull low to enable Sink Current: Min: 1mA, Max 6mA Maximum Terminal Voltage: 12V Isolation: 3kV  <b>Parallel Control Outputs:</b> Number: Eight Type: FET switch, open source (low side driver)  Maximum Continuous Current: 0.35A Current Limit: 0.8A Maximum External Supply: 35V VMon Input Shutdown: 35V	<b>RS232 Port:</b> Type: DTE Baud Rate: 57600  <b>Connection:</b> RJ45 with shielded Ethernet/PoE cable (CAT5, CAT5e, CAT6, or CAT7)  <b>Power:</b> Main: 24V DC 9W PoE: 802.3af Class 3  <b>Base Dimensions:</b> Height: 1.75 inches (44.5mm) Width: 19 inches (483mm) Depth: 10 inches (254mm)  <b>Weight:</b> Approx 6.4 lbs. (2.8kg)  <b>Ambient Operating Temperature Range:</b> 32-113 degrees F (0-45 degrees C)  <b>Compliance:</b> EU Directive 2002/95/EC, RoHS directive CE marked
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## Life Safety Interface 16 BACK PANEL



## Life Safety Interface 16 BLOCK DIAGRAM

