

# DATA SHEET

## VOCIA® CI-1

### CONTROL INTERFACE



The CI-1 Control Interface is a device that serves as a companion product to the Vocia LSI-16 and LSI-16e Life Safety Interfaces. The CI-1 requires an LSI-16 or LSI-16e for operation. Once the required interconnections have been established, the CI-1 will operate with the LSI-16 and LSI-16e to provide the necessary life safety functionality. The CI-1 also facilitates the necessary connections to the LSI-16 and LSI-16e for EN 54-16 standards compliance.

#### FEATURES

- High reliability switches for Local Sounder Silence, System Test and System Fault Reset
- High level sounder for Fault and Alarm warning
- Dual 24V DC power inputs with uninterrupted failover on power loss
- Provides terminating resistors for Alarm and Fault Inputs for LSI-16 and LSI-16e Life Safety interface devices
- Provides terminating resistors for any unused monitored outputs for Vocia Life Safety Interface devices
- Current limited reference voltage output
- Rack mountable (1RU)
- CE marked and RoHS compliant
- Covered by Biamp Systems' 5-year warranty

#### ARCHITECTS & ENGINEERS SPECIFICATION

The control interface shall be designed exclusively for use with Biamp® Vocia systems in conjunction with the Vocia Life Safety Interface. The control interface shall provide a sounder to deliver audible notification of alarm, fault or trouble conditions. It shall provide switches for local sounder silence, system test and system fault reset and shall provide pass-through interconnections for connection of the Life Safety Interface to fire detection equipment, connections for Ethernet fault and power supply fault signals, required termination resistors and summing for dual 24V power supplies. The life safety interface shall be EN 54-16 Certified Product 082-CPD-1401 and shall be compliant with the RoHS directive. Warranty shall be five years. The control interface shall be a Vocia CI-1.

## VOCIA CI-1 SPECIFICATIONS

<b>Alarm Inputs:</b> <b>Assertion:</b> Transition from 0V to 12-24V <b>Fault Inputs:</b> <b>Assertion:</b> Transition from +V to 0V <b>Maximum pull-up resistor:</b> 2.2kΩ <b>Outputs:</b> <b>Assertion:</b> Low <b>Pull-up Load:</b> max 2.2kΩ <b>Maximum External Supply:</b> 35V <b>Maximum Continuous Current:</b> 350mA <b>Current Limit:</b> 800mA <b>Power:</b> Dual 24V DC, 15W each	<b>Overall Dimensions:</b> <b>Height:</b> 1.75 inches (44.5 mm) <b>Width:</b> 19.0 inches (483 mm) <b>Depth:</b> 10.0 inches (254 mm) <b>Weight:</b> 6.4 lbs (2.8 kg) <b>Environment:</b> <b>Ambient Operating Temperature Range:</b> 32-113° F (0 - 45° C) <b>Humidity:</b> 0 - 100% non-condensing <b>Altitude:</b> 0-10,000 Feet (0-3000 Meters) MSL <b>Compliance:</b> EN 54-16 certified CE marked (Europe) RINA (Italy) RoHS Directive (Europe) EN 60849, AS 60849 verified
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## VOCIA CI-1 BACK PANEL

