



**LS4808**  
8 Ch Line Surveillance



**LS4816**  
16 Ch Line Surveillance

### Introduction

LS4808 offers 8 channels of speaker line monitoring while LS4816 has 16 channels. LS Series is a great tool of monitoring the speaker line integrity such as ground leakage, short and open circuit by using impedance measurement method. End of Line resistors are not required and circuit branching is allowed, thus allowing a more flexibility in cabling works.

LS is powered by powerful processor and its unique measurement algorithm enable it to perform tasks at high speed with optimum accuracy. Setup is simple and for more advanced requirement, LS allows deviation limits, useful for more sensitive installations, such as power plants, military, etc. It can be installed to run at intervals with user setting or link to a timer for specific time operation, to avoid disturbances to occupants of the building.

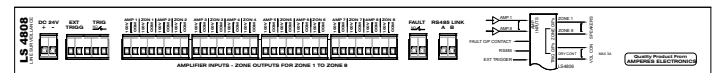
### Technical Specifications

	LS4808	LS4816
Operating voltage	24V DC via PS9400 adaptor	
Power consumption	3.8W	4.9W
Capacity	8	16
Processor	STM 32 microprocessor	
Impedance detection range	10 to 10 K Ohm	
Power measurement range	10 to 1000W 100V line	
Measurement accuracy	+/- 3% within range	
Pilot tone injection frequency	1 KHz	
Pilot tone signal output level	5V sine	
Monitor triggering	Auto / remote trigger	
Transmittal detection period	0.5 second per channel (max)	
Detection interval	User preset from 1 min to 48 hrs	
Sensitivity setting	User preset at each channel	
Indicators - LED	Normal, Fault, Buzzer, Auto run	
Display LCD	2 x 16 characters w back light	
Audible output signal	Continuous buzzer with Off option	
Dry contact setting	3A	
DC output in detection mode	24V DC for individual channel	
Dimensions (W x H x D)	482 x 44 x 180 mm	482 x 88 x 180 mm
Weight	2.15kg	3.25kg

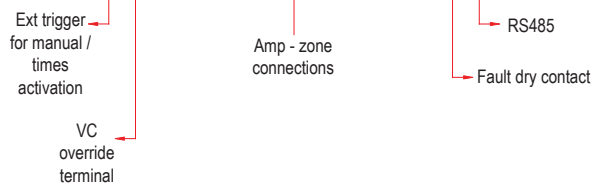
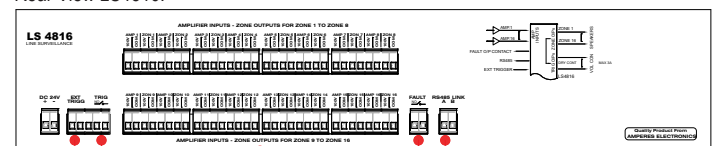
### Features

- ▶ 8 / 16 channel speaker line monitoring and expandable
- ▶ Basic and Advance level of detection setup
- ▶ Detection of faulty cable and speaker in individual zone or circuit
- ▶ Impedance measurement method - no capacitor coupling required and cable branching allowed.
- ▶ Faulty circuit disconnection option
- ▶ Built in impedance meter, range within 10 Ohm to 10 K Ohm
- ▶ LCD display to facilitate system setup, measurement and monitoring
- ▶ Fault alert with LED indicators and switchable buzzer
- ▶ Detection test interval setting from 1 min to 48 hours
- ▶ Short burst test signal, minimizing interruption to PA operation
- ▶ User setting for detection sensitivity for open, short and leakage
- ▶ Aux 24V DC output for volume controller overriding during testing mode

Rear View LS4808:



Rear View LS4816:



**Packing information**

- Carton : LS4808 : 555 (L) x 295 (W) x 95 (H) mm
- : LS4816 : 555 (L) x 295 (W) x 165 (H) mm
- Weight : LS4808 : 2.75 kg
- : LS4816 : 4.00 kg
- Qty : 1 unit / carton