LS4808 LS4816

8 Ch / 16 Ch Speaker Line Surveillance



LS4808

8 Ch Speaker Line Surveillance



LS4816

16 Ch Speaker Line Surveillance

LS4808 (8-zone) and **LS4816** (16-zone) provide fast and accurate detection of faults such as ground leakage, short circuits, and open circuits using advanced impedance measurement method - simpler cabling works without the need for end-of-line resistors or blocking capacitors and allows flexible circuit branching. With improved processing and detection accuracy, they offer Basic and Advanced monitoring modes for flexible setup. A trigger function enables timed activation when connected to a timer. Fully compliant with EN54, they are ideal for reliable monitoring in PA and EVAC systems.

Key Features

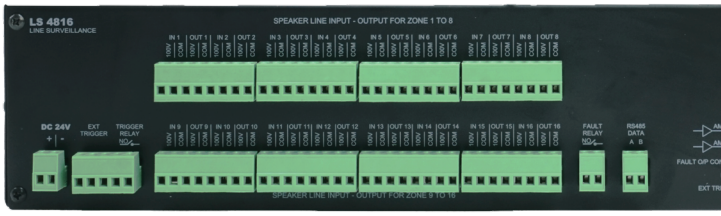
- Detects faults via **impedance** measurements
- Speaker circuit branching **without end-of-line resistors** or blocking capacitors
- **Basic and Advanced** detection modes
- **Short test signals** to minimize disruption to PA operation
- **Manual or automatic** testing via external triggers
- Adjustable **detection intervals** from 1 minute to 48 hours
- Bi-color LED indicators for **fault status** display
- **24V DC AUX** output to override VC during testing
- **RS485** port for remote monitoring via PMX software via iPX5500

Rear Outlook

LS4808



LS4816



Technical Specifications

	LS4808	LS4816
Operating voltage	24V DC via PS9400	
Power consumption	3.8W	4.9W
Capacity channel	8 Channel	16 Channel
Impedance detection range	10 to 10k Ohm	
Power measurement range	10 to 1000W 100V line	
Measurement accuracy	5% 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 seconds per channel (max)	
Detection interval	User preset from 1 min to 48 hours	
LED indicators	Normal, Fault, Buzzer, Auto run	
Display LCD	2 x 16 characters with back light	
Audible output signal	Continuous buzzer with OFF option	
Dry contact setting	3A	
DC output in detection mode	24V DC for individual channel	
Data interface and baud rate	RS485, 19.2 kbps	
Dimensions (W x H x D)	482 x 44 x 180 mm	482 x 88 x 180 mm
Net weight	2.50 kg	3.70 kg

Packing Information

LS4808

Carton size	555 (L) x 295 (W) x 95 (H) mm
Gross weight	3.0 kg
Qty/carton	1 unit per carton

LS4816

Carton size	555 (L) x 295 (W) x 165 (H) mm
Gross weight	4.30 kg
Qty/carton	1 unit per carton