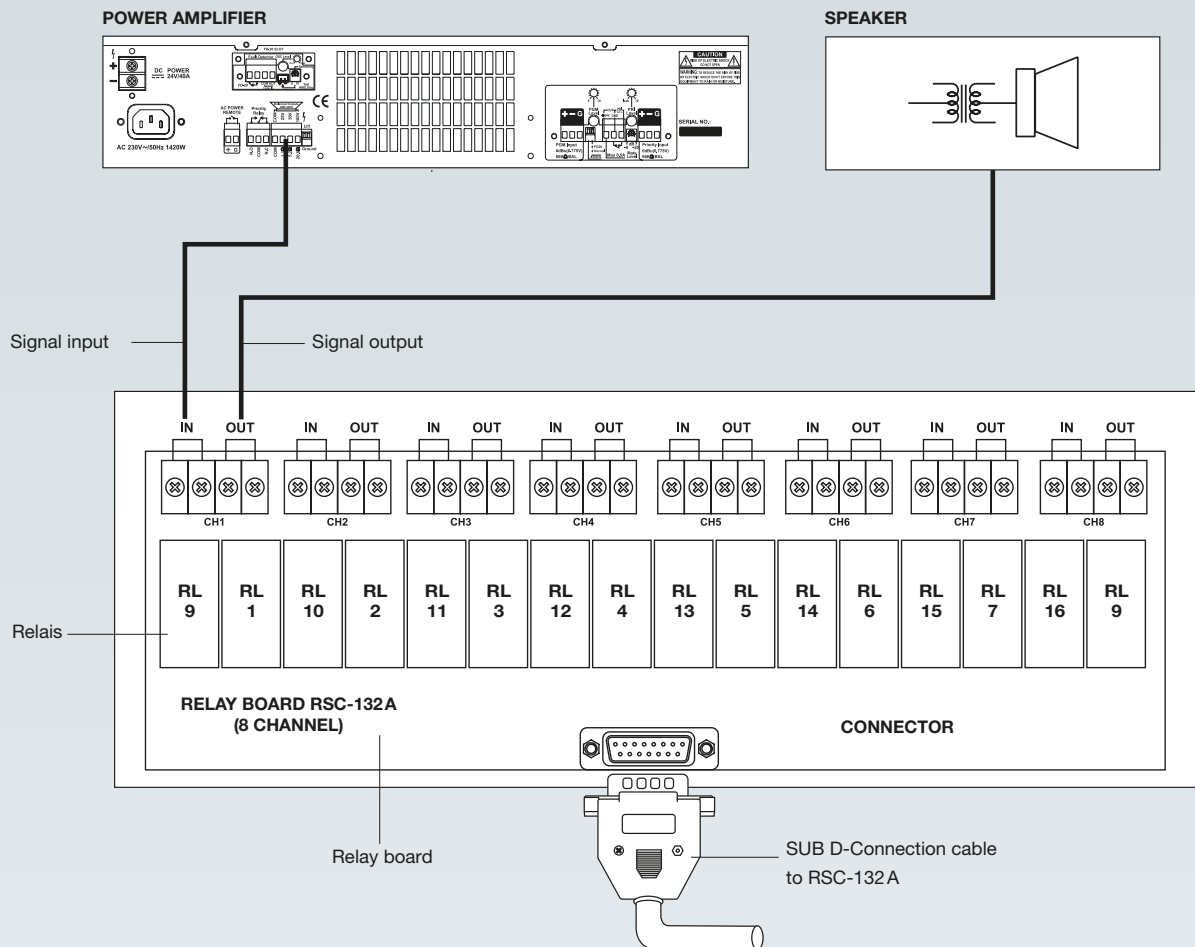
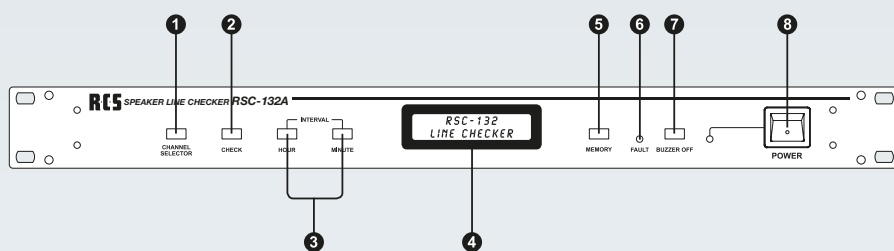


Connecting Diagram



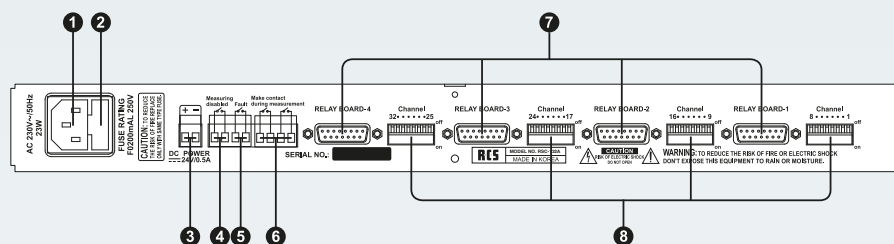
- ❶ Line selector button
- ❷ Check button for checking the respective line
- ❸ Setting of the measuring intervals (hour/minute)
- ❹ LCD
- ❺ Button for saving the measured values
- ❻ LED for visual fault indication
- ❼ Button for deactivating the buzzer
- ❽ Power switch

Front view



- ❶ 230 V power inlet
- ❷ Fuse holder
- ❸ Terminal for 24 V emergency power supply
- ❹ Contact for interrupting the measurement
- ❺ Make contact in the case of faults
- ❻ Make contact during measurement
- ❼ Connections for the relay boards
- ❽ Line switch for activation of lines

Rear view



Line monitoring for up to 32 lines



Description

The RSC-132A is a microprocessor controlled line monitoring device. Up to 32 speaker lines can be monitored fully automatically.

Faults are indicated through a buzzer incorporated in the device, an LED located on the front panel and a potential free contact on the rear. Through the use of external relay boards, connected via a 5 m SUB D cable, the unit is only 1 RU in height.

The only preparatory measure for putting the device into operation is to insert the RSC-008A relay boards into the speaker lines. To complete the installation, the relay boards only have to be connected to the base unit and have to be measured.

Please consider the following features:

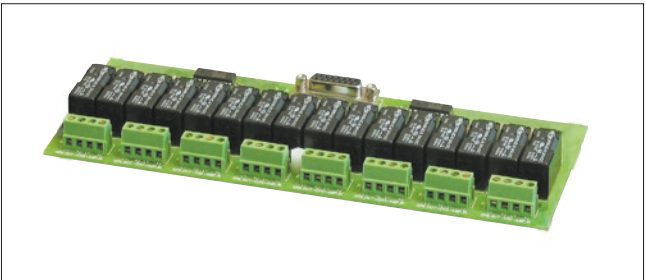
- Integrated Watchdog circuit.
- By measuring the impedance, the device detects missing speakers, short circuits on the line or line breaks.
- When the measurement is performed, the line is checked for ground faults at the same time.
- If the measured values are above or below the permissible range, the device indicates „over“ or „under range“.
- The measuring intervals can be set from 1 minute to 24 hours.
- The configuration is stored in a non-volatile E2PROM.
- With 4 relay boards (for 8 circuits) one RSC-132A unit can monitor up to 32 circuits.
- In the event of an emergency or when an important announcement has to be made, the measurement can be interrupted by means of a potential free contact.
- When a fault is detected, the unit issues an audible alarm. Additionally, the LED on the front panel is lit. At the same time a contact is closed to activate external units.

- The 2-digit LCD constantly indicates the time remaining until the next measurement is taken or, in the case of a fault, the type of fault and the affected line.

RSC-008A Relay Board

The relay board has been designed for the connection of the speaker lines. Up to 4 boards (32 circuits) can be connected up to a RSC-132A monitor unit. The card provides one additional relay per line, which disconnects the affected line from the 100V output after measurement.

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Technical data	RSC-132A/RSC-008 A
Speaker circuits	8 (can be extended to up to 32)
Measuring time	100 ms per circuit
Measuring range	25 ohms – 1,6 kohms (6 W – 400 W)
Power consumption	23 W
Power supply	230 V AC/24 V DC
Dimensions in mm (WxHxD)	483 x 44 x 200 mm, 1 RU
Weight	3,0 kg

Model designations

- Speaker Line Monitoring Unit,..... **RSC-132A**
with matching relay boards for up to 32 lines
- Relay Board,..... **RSC-008A**
each for 8 lines