RCS

CONTROL-CENTER VARES 3000

EN 54-16 CERTIFIED SYSTEM / COMPLIANT TO VDE 0833-4 / VDE 0828 / IEC 50849

Rear view PSS-224 C

MADE IN GERMANY

Drawing shows PSS-224 C in a full option version
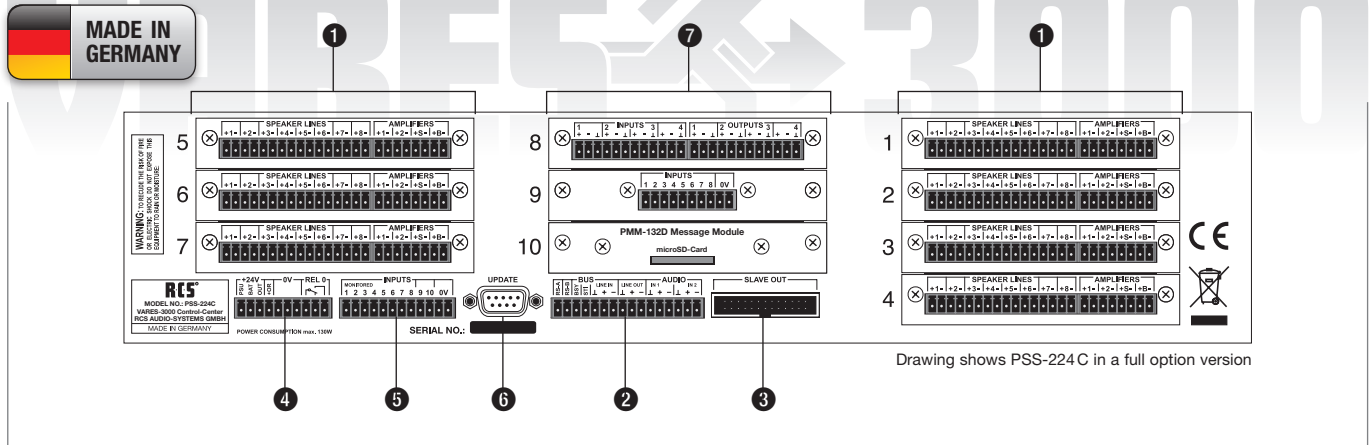
❶ 7 empty slots for mounting the relay cards PRC-008 C, PRC-408 C or PRC-508 A.

❷ Bus connector RS-485, 3 symmetrical ground free audio inputs, input 1 as symmetrical ground free audio input or output, 1 symmetrical ground free audio output.

❸ Extension connector for further slave devices in order to upgrade up to 224 lines and for connection with the program selector PPS-024 A.

❹ Power supply connector 24 V and emergency power input, relay 0 for special functions.

❺ 10 isolated alarm inputs, 2 isolated switch inputs, freely programmable.

❻ Connector for firmware update.

❼ 3 optional module slots for installment of additional modules, e.g. text- and signal memory PMM-132 C.

Extension Unit PEU-056 B

PEU-056 B

PEU-056 B

PEU-056 B

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PSS-224 C

A maximum of 3 extension units can be used per PSS-224 C. The control center PSS-224 C can manage a maximum of 224 different speaker lines or relay contacts.

Through the modular assembly even the extension unit can be adapted to the particular requirements. The basic version of the PEU-056 B will be delivered without relay cards. It can be extended with up to 56 line outputs in various designs. Very new regarding this is the use of the monitored relay card PRC-408 B according to VDE 0828/IEC 50849.

The power supply and control comes from the center PSS-224 C. Therefore the relay cards PRC-008 C, PRC-408 B and PRC-508 A will be used just like for the PSS-224 C.

Description of Extension Unit

This digital extension unit PEU-056 B for further 56 speaker lines, is connected through the extension cable PFK-200 to the speaker selector PSS-224 C.

Model designations

„VARES-3000" Extension Unit, ...**PEU-056 B**
for PSS-224 C, 2 RU

„VARES-3000" Extension Cable, ... **PFK-200**
connecting cable for PEU-056 and Program selector

Technical data	PSS-224 C CONTROL-CENTER	PEU-056 B EXTENSION UNIT FOR PSS-224 C
Speaker lines	8 to max. 56	8 to max. 56
Bus connection	RS485-Bus	–
Audio output level	0 dB / 775 mV	–
Module slot	3 Module slots	3 Module slots
Power supply	24 V DC / max. 800 mA	24 V DC / max. 750 mA
Power source	Switching power supply / battery	from PSS-224 C
Dimensions	483 x 89 x 270 mm, 2 RU	483 x 89 x 270 mm, 2 RU
Weight	3,3 kg (fully equipped 5,5 kg)	3,2 kg (fully equipped 5,1 kg)

VARES→3000 CONTROL-CENTER

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Picture shows PSS-224 C in a full option version

Modular expandable in steps of 8 from 8 to 224 lines

Description Control-Center

The digital, easy programmable and flexibly expandable center PSS-224 C of the VARES-3000 system takes over the audio- and alarm management for devices with up to 224 speaker lines, or switching contacts.

In connection with the extension unit PEU-056 B, of which a total of 3 units can be operated on one PSS-224 C, the project specific extension from 8 up to 224 lines in eight intervals is easily possible.
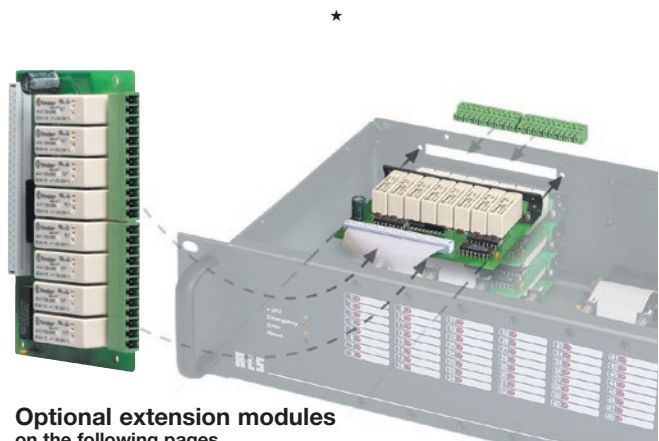
The basic devices PSS-224 C and PEU-056 B are offered without a relay card, but depending on the requirements 3 different types are available. As an innovation the relay card PRC-508 B including the evaluation of the amplifier and loudspeaker monitoring according to IEC 50849.

10 monitored and 2 unmonitored isolated inputs enable a remote regulator of the VARES-3000 center. The easy programming of the center PSS-224 C is carried out via the computer software "ConfigV3000", as in all devices of the "VARES-3000 System".

The most important characteristics combined:

- Monitoring of all system components according to VDE 0828/IEC 50849.
- Activation and monitoring of up to 224 speaker lines (in connection with 3x PEU-056 B).
- Flexible usage of the relay cards PRC-008 C, PRC-308 C, PRC-408 C and PRC-508 A.
- Connection and monitoring of up to 128 power amplifiers (in connection with 16x PHM-802 C)
- 8 monitored and 2 unmonitored isolated inputs.
- Additional 8 isolated inputs with optional input module PIC-208 B (not monitored).

- Monitored 24V power supply- and emergency power inputs.
- Relay 0 for special functions.
- Obligatory call output 24 V 2 A.
- One symmetrical ground free audio inputs and one symmetrical ground free audio output.
- Relay card PRC-308 C can be used for special functions such as alarm, fault and as an amplifier priority call card.
- Bus connector RS-485.
- Integrated quartz clock for exact monitoring intervals, which can be synchronized via the DCF-receiver module PRR-077 B.
- Time related remoting of the PSS-224 C according to the main clock PTC-240 D.
- Optional module: display and button module, text- and chime module, measuring- and monitoring module, audio-matrix-module for audio routing.

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Optional extension modules
on the following pages…

Model designation

„VARES-3000" Control-Center, 2 RU..**PSS-224 C**