



A/B-Ceiling speaker compliant to **DIN EN 60849 / VDE-0828 and VDE-0833-4.**

- New mounting method for a place of safety in the wall and adaption at all usual thickness of walls
- 2 pieces 5"x3" oval full range speaker with high tone cone and 2 high class transformer which allow a safety A/B cabling

A/B-Ceiling speaker **RC-512 AB**
2x 6 W, 100 V, white

Steel Pod, for RC-512AB **FD-512**

When will be A/B speaker used?

A voice alarm system of level 2 (building more than 2000 square meters or 200 persons) must be designed as follows: If there is an error in the transmission of alarm in the affected zone the sound pressure level (max. 3dB) and the speech transmission does not fall below 0,45dB.

The DIN VDE 0833-4 arrogates 2 leads per fire lobby (A/B cabling).

It follows that there are twice quantity of speakers or speakers which have 2 independent transformers and speakers, called A/B speakers.

Further advantages of the A/B speakers compared to the wiring with the twice quantity of speakers are:

- **Minor effort (cut of the ceiling, wall mounting)**
- **Save costs**
- **Low gauge level regarding the according range because in case of a line failure no under served range will occur**
- **Architectural attractive**
- **Fully intelligibility if there is a failure of a line**



A/B-Ceiling speaker compliant to **DIN EN 60849 / VDE-0828 and VDE-0833-4.**

- Easy installation by a quick closure which adapt to all common thickness of walls (also for gypsum walls).
- 2 pieces 4"x2,5" oval full-range speaker with high tone cone and 2 high class transformer which allow a safety A/B cabling.

A/B-Ceiling speaker **RC-412 AB**
2x 6 W, 100 V, white

A/B-Ceiling speaker **RC-420 AB**
2x 10 W, 100 V, white



A/B-Ceiling speaker compliant to **DIN EN 60849 / VDE-0828 and VDE-0833-4.**

- Easy installation by a quick closure which adapt to all common thickness of walls (also for gypsum walls).
- 2 pieces 4"x2,5" oval full-range speaker with high tone cone and 2 high class transformer which allow a safety A/B cabling.

A/B-Ceiling speaker **SC-512 AB**
2x 6 W, 100 V, white

A/B-Ceiling speaker **SC-520 AB**
2x 10 W, 100 V, white



A/B-Ceiling speaker compliant to **DIN EN 60849 / VDE-0828 and VDE-0833-4.**

- The speaker unit is mounted very simple via bayonet coupling .
- 2 pieces 4"x2,5" oval full-range speaker with high tone cone and 2 high class transformer which allow a safety A/B cabling.

Soft-Mount-A/B-Ceiling speaker **SRC-512 AB**
2x 6 W, 100 V, white

Soft-Mount-A/B-Ceiling speaker **SRC-520 AB**
2x 10 W, 100 V, white



A/B-Ceiling speaker compliant to **DIN EN 60849 / VDE-0828 and VDE-0833-4.**

- Speaker in complete metal execution especially for suspending ceiling.
- 2 pieces 4"x2,5" oval full-range speaker with high tone cone and 2 high class transformer which allow a safety A/B cabling.

A/B-Ceiling speaker **SCS-512 AB**
2x 6 W, 100 V, white

A/B-Ceiling speaker **SCS-520 AB**
2x 10 W, 100 V, white



A/B-Ball speaker compliant to **DIN EN 60849/VDE-0828 and VDE-0833-4.**

- Impact and scratch resistant white plastic cover, perfect for high rooms.
- 2 pieces 4"x2,5" oval full-range speaker with high tone cone and 2 high class transformer which allow a safety A/B cabling.

A/B-Ball speaker **KL-012 AB**

2x 6 W, 100 V, white

A/B-Ball speaker **KL-020 AB**

2x 10 W, 100 V, white



A/B-Cabinet Speaker compliant to **DIN EN 60849/VDE-0828 and VDE-0833-4.**

- **Ball proof** plastic cover, impact and scratch resistant which ensures best boom and swing release.
- 2 pieces 4"x2,5" oval full-range speaker with high tone cone and 2 high class transformer which allow a safety A/B cabling.

A/B-Cabinet speaker **BC-512 AB**

2x 6 W, 100 V, white

A/B-Cabinet speaker **BC-520 AB**

2x 10 W, 100 V, white



- Alarm via cell phone**
- Integration in a VA system
 - Up to 100 persons authorized
 - No landline needed
 - Easy installation and setup

Amok-Alarm system activated by authorized cell phones.

- The voice evacuation system reviews the number and switches a contact to initiate an announcement or an alert tone through the speaker system
- Easy installation on hat rail mounting.

Amok-Alarm system, GSM/GPS **AAS-100 A**



Phone Interface for 4 zones and All Call

- Operation of analogue extension connection.
- In combination with DMM-618 A also trigger for amok signaling.
- Easy installation and setup.

Telefon Interface, for 4 zones and All Call **TIF-404 A**



Digital Message Module for MP3-Files which can be used for amok or voice alarm as well as advertising copy device.

- Monitored storage and pilot tone.
- 6 buttons to start the respective text.
- Contact release of up to 18 texts.
- For CF memory card up to 8 GB

Digital Message Module, (1 HE) **DMM-618 A**

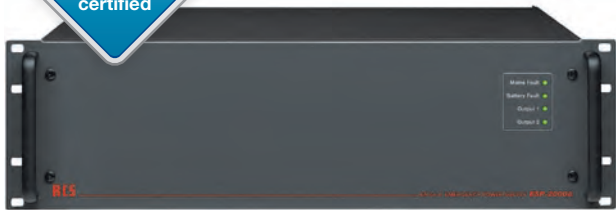


Manual Call Point MCP for amok alarm (orange) and house alarm (blue)

- Robustly, unbreakable aluminium housing
- Replacement glass and replacement keys optionally available.

MCP »Amok Alarm«, orange **HMA-001 O**

MCP »House Alarm«, blue **HMH-001 B**



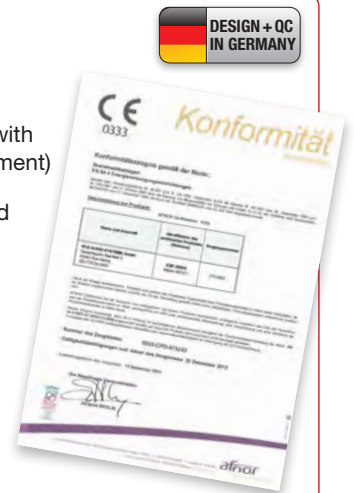
All Voice Evacuation Systems must be built with an EN-54-4 certified Emergency Power Supply.

Our certified emergency power supply ESP-2000 A is suitable for all devices which are compliant to the **VDE 0833-4**.

- Charging current on 2 outputs

EN 54-4 Emergency Power Supply ESP-2000 A

- Monitoring of all functions
- Monitoring of battery fault (with internal resistance measurement)
- Fault indicator via LED'S and changeover contact
- Certificate No. 0333-CPD 075243



Modular system for installation of 2 modules only in 1 RU. This device is suitable for 19" mounting or as table top. The illustrated modules of the series AM can be combined.

- Priority Output
- Suitable for 24 V

19"-Modular pre-amplifier, for 2 modules (AM series) . . . ME-1A

CD/USB/SD-Player
with Pitch-Control and Remote

AM-200 CD



DVD/CD/USB/SD-Player
with Remote

AM-100 DV



USB/SD-Card-Recorder
with Remote

AM-100 AR



CD-Player
with Repeat-Function

AM-100 CD



PLL Synthesizer Tuner
12x FM station memory

AM-100 TU



These high-quality **ring core audio transformers** are ideal for installation in Pro Sound speakers. They facilitate these speakers the application in 100V systems

- Protection from 34Hz till 22kHz

100 V-Ring Core transformer (100 W)HP-100 R

100 V-Ring Core transformer (200 W)HP-200 R



Loop transformer for installation of induction loop to provide users of hearing aid perfectly sound signals.

- Main 50-35-25 W
- Secondary 0,3-0,5-0,7-1,0-1,2-1,5 Ω

Induction loop transformerILT-050



Priority relay module for 100V signals and 230 V power supply.

- Passing the 100V signal of the alarm system to the sublet amplifier equipment.
- Make a connection of the loudspeaker in sublet areas in case of alarm.
- Disconnection of the sublet amplifier equipment.

Emergency Switchover Unit **ESU-002A**



The fire protection standard cabinets of the series BSS are used where the requirements E30 (function preserving) respective F30 (fire resistance) are necessary. They have a technical approval and are compliant with the actual safety regulations.

The fire protection cabinets are especially for the swing frame cabinets RSS-5524, RSS-5530 and RSS-5540. Through the generous dimensions of the fire protection cabinets can be used also other 19" racks.

- Fire enclosure with a fire resistance of at least 30 minutes for a fire attack from outside
- Conform to the MLAR
- Fire protections boards according to **DIN 4102 A1/A2**
- Fire load insulation 60 minutes (I60)
- Protection class ii (IP 54)
- Integrated active ventilation system 2x D 80 mm
- Retrofitting of a half cylinder is possible
- Wall mounting kid is included
- Color RAL-7035 (light gray)

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Fire protection cabinet for RSS-5524, (24 RU)..... **BSS-3024**
Fire protection cabinet for RSS-5530, (30 RU)..... **BSS-3030**
Fire protection cabinet for RSS-5540, (40 RU)..... **BSS-3040**



CD/MP3-Player Module for installation in PA center or modular pre-amplifiers ME-2A/4A.

- MP3 CD's playable
- USB interface.

CD/MP3 Player Module **CDP-10 USB**



CD/MP3-Player and Tuner module for installation in PA center or modular pre-amplifiers ME-2A/4A.

- MP3 CD's playable
- FM/AM-Tuner with RDS
- USB interface

CD/MP3 and Tuner Module (RDS)..... **CDR-10 USB**