



For 8 call amplifiers and 2 spare amplifiers



Description

PHM-802C digital amplifier switchover unit is designed to monitor up to 10 power amplifiers simultaneously. Up to 8 amplifiers can be configured as call amps, backed up by up to 2 spare amplifiers.

PHM-802C works self-sustaining and independent of other components. Alternatively, it can be integrated into a VARES-3000 system.

Please consider the following features:

- Setting up PHM-820C is done easily via a clearly represented menu that is displayed on the big front display. All the programming work is done by just four function keys, a computer is not necessary to configure PHM-802C.
- The health status of each connected amplifier is shown on the front display.
- Faults will be indicated until the cause of the problem is repaired.
- All connectors are service-friendly pin-and-socket-connector types that are perfectly suited for installed audio equipment.
- 8 call amps can be linked with 1 spare amp, or two groups made of 4 call amps each can be linked to 2 spare amps (1 spare amp per group). Can also be used without spare amplifier.
- PHM-802C offers an input for 230 V AC switching power supply (switched to 24V) and an additional input for 24 V DC emergency power.
- A bigger number of amplifiers can be monitored by using several PHM-802C.
- The measured level of the pilot tone can be adjusted for each 100V power amplifier at the device.
- A variety of pilot tones is available, ranging from 19 kHz to 25 kHz.
- An alarm output for external fault messages allows easy routing of messages within the voice alarm system.

- The menu is available in English or German language.
- Optionally, the monitor module PMU-802A can be installed to intercept all 10 amp outputs.

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Monitor option PMU-802A

After installation of the monitor module every 10 amplifier outputs (8 + 2) can be monitored. The selection of the desired channel and volume via keyboard on the device or connected PC with the software „ConfigV3000“.

Monitor option, for PHM-802C **PMU-802A**
 Monitor speakers: Broadband, 4W 8 ohms. Listening power: 1.3 W RMS amplifier

Bus option PHM-485

With this interface modification option the amplifier monitoring can be integrated in the VARES-3000-System. The monitoring of the device is guaranteed by the bus cable, as well as different configurations of the software „ConfigV3000“.

Bus option **PHM-485 B**

Technical data	PHM-802 C
Display	LCD Dot Matrix 2x24, illuminated, adjustable contrast
Monitored Amplifier	8 + 1 (Spare) or 2x 4 + 2x 1 (Spare)
Pilot tone	19/19,5/20/20,5/21/21,5/22/22,5/23/23,5/24/24,5/25 kHz
Sample rate	adjustable 15/30/45/60/90 Sec. (5 Sec. with Bus-Option)
Power consumption	5 W
Listening power	Amplifier 1,3W RMS
Bus connection	RS485-Bus (optional) to RJ-45, failure announcement outputs, RS232 for Firmware-Update
Switching capacity	6 A each channel
Power supply	24V DC
Power source	Switching power supply / Accu (emerg. power supply 24 V)
Dimensions (WxHxD)	483 x 44 x 171 mm (1 RU)
Weight	1,5 kg

Amplifier monitoring, (1 RU) **PHM-802 C**