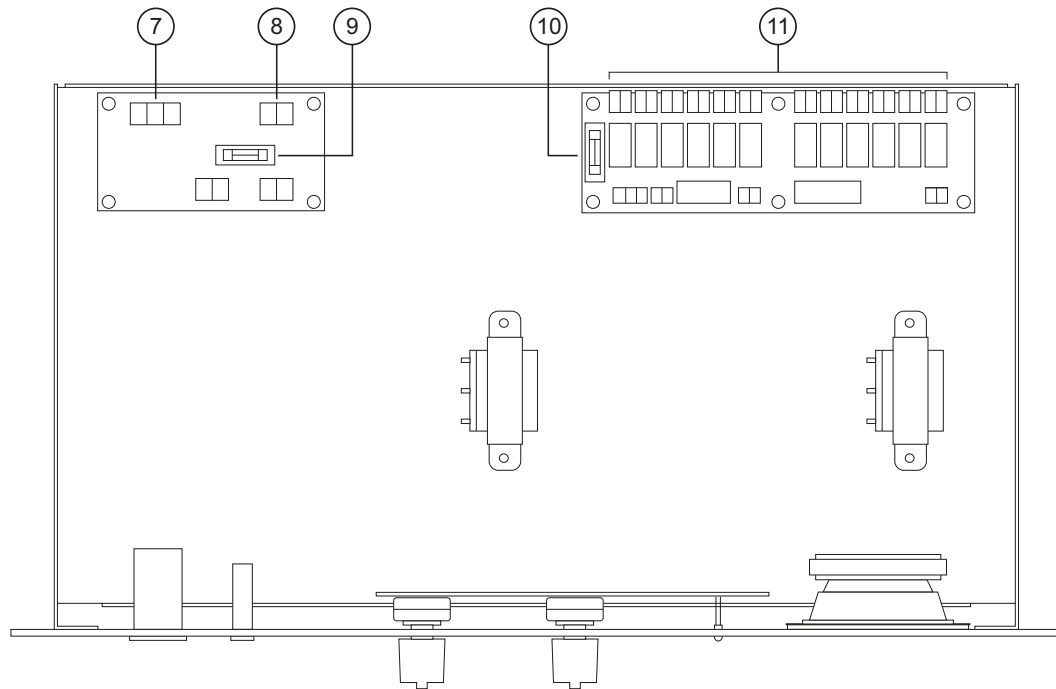
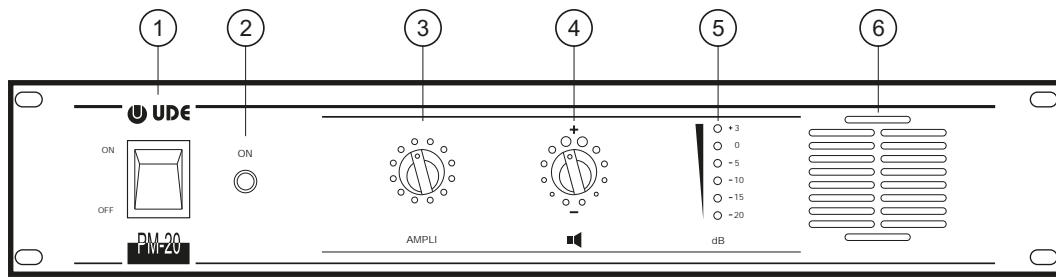


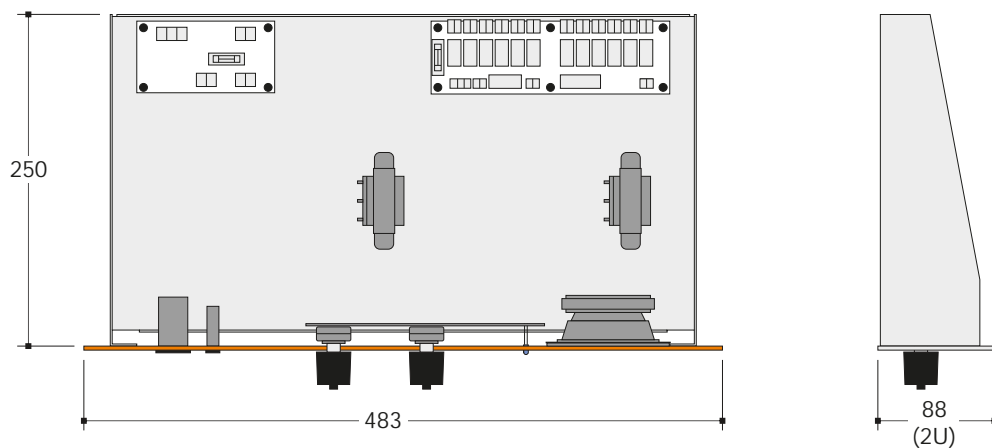
### Description

UDE **PM-20 monitoring panel** has been specially designed for 19" rack monitoring facilities (2u high). This unit is very useful for small, medium and big power PA systems.

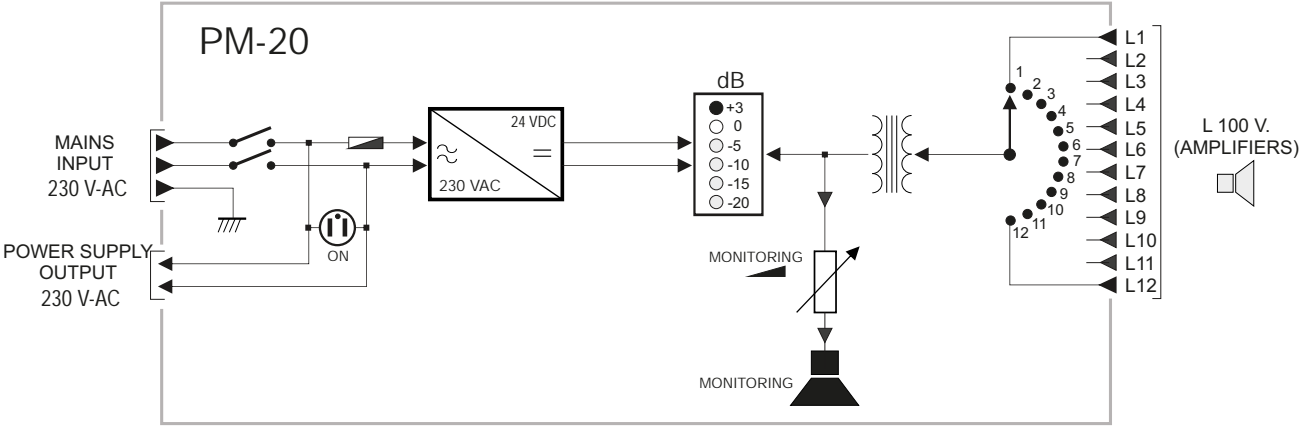
- Monitoring panel PM-20 allows visual and audio control up to 12 power outputs of amplifiers (L.100V).
- Thanks to a rotative selector, it is possible to select any one of the 12 power lines.
- A large band loudspeaker and an electronic dBr calibrated vu-meter allow at any time, to control quality and level audio on the selected line.
- Incorporates an attenuator to adjust the listening level.
- As well, thanks the mains switch, it is possible to put the power on, for all the equipment built-in the rack, at the same time.
- Led indicator informs clearly the status of the Public address system.



- |                                     |  |                               |
|-------------------------------------|--|-------------------------------|
| ① Mains switch                      | ⑤ Vu-metre                                       | ⑨ AC Fuse                     |
| ② Indicator lamp                    | ⑥ Monitoring loudspeaker                         | ⑩ DC Fuse                     |
| ③ Audio lines Selector              | ⑦ Mains input block terminals (230 V-AC)         | ⑪ Audio lines block terminals |
| ④ Monitoring loudspeaker attenuator | ⑧ Power supply output block terminals (230 V-AC) |                               |



DIMENSIONS IN MILLIMETRES WEIGHT: 5.2 Kg.



INTALLATION

- 1- Install monitoring panel **PM-20** inside the rack (generally on the top of the rack).
- 2- Connect each one of the loudspeaker lines on the corresponding block terminals of monitoring panel **PM-20**.
- 3- Connect power supply cable (Earth / Phase / Neuter) according with security regulations applicable in each specific case and in each country.
- 4- Connect power supply output (230V – AC) to the different products installed inside the rack, thanks to a special distribution accessories which may be required, such as derivators, contactors, etc.)
- 5- When all the connections have been completed, install all the accessories required in order to close the rack.
- 6- Check that mains power supply, 230V – AC is available. The Public Address system is ready to operate.

OPERATION

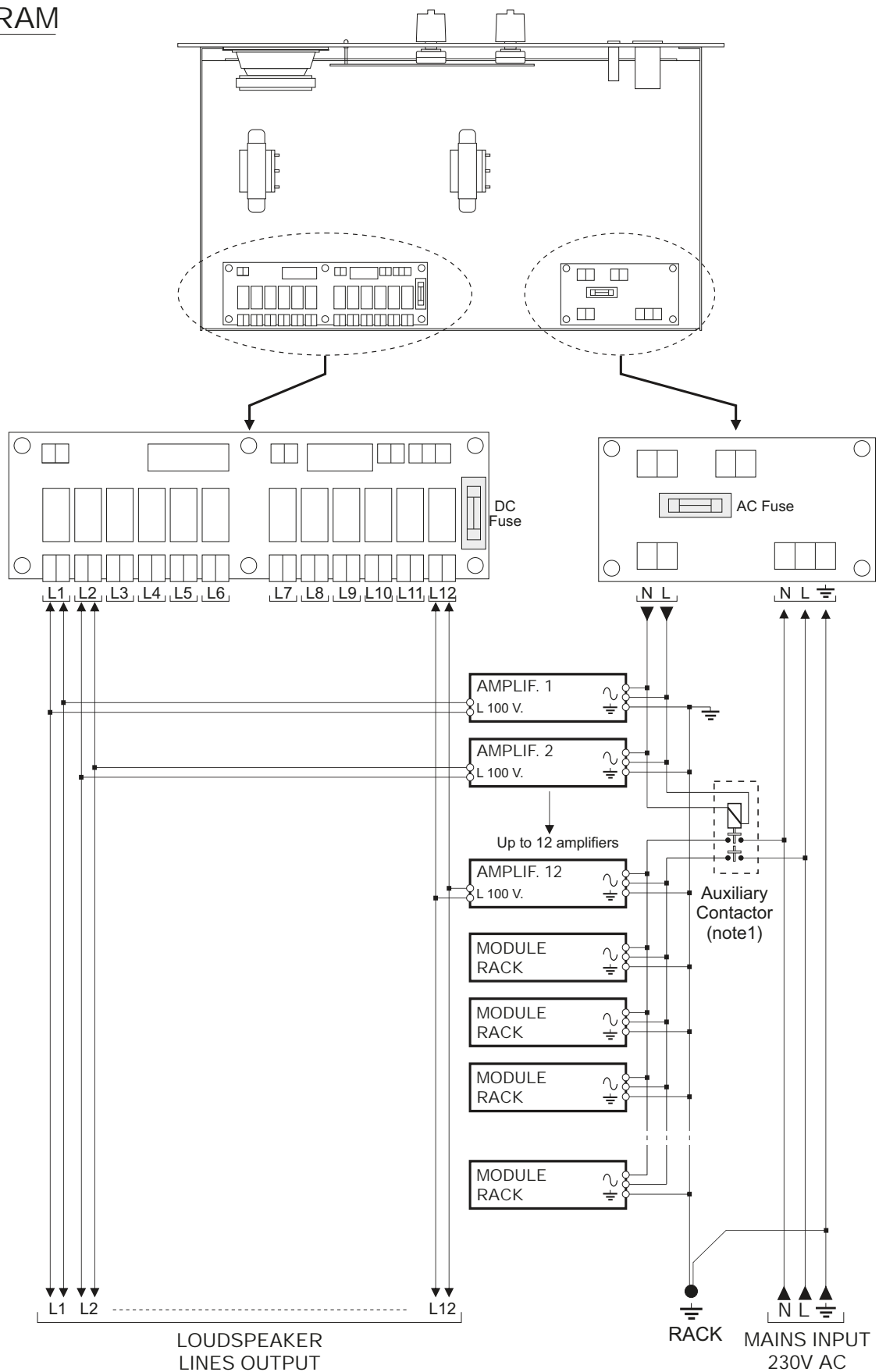
- 1- Put Mains switch "ON". Check that all the indicator lamps are "ON".
- 2- Select each one of the loudspeaker lines, thanks to the rotative selector. The vu-meter informs at anytime the output level.
- 3- Adjust the attenuator in order to receive an adequate audio level from the monitoring loudspeaker.

TECHNICAL FEATURES

<b>- MONITORING:</b>		<b>- MAINS SWITCH:</b>	
- Loudspeaker:	5 W. (3").	- Nominal current to 230 V-AC:	6 A.
- Frequency range:	80 Hz to 15kHz.		16 A (*).
- Attenuator:	Rotative selector.	- Connection:	Screw terminals.
- Input impedance:	5k $\Omega$ . (L 100 V.).	- Max. cable section:	2.5 mm <sup>2</sup> .
- Vu-metre:	Luminous (6 leds).	- Indicator lamp "ON":	Red Neon.
- Vu-metre Level:	+3 dBr to -20 dBr (0 dBr= 100 V).		
- Capacity:	12 audio lines.		
- Lines selection:	Rotative selector.		
- Connection:	Thanks to pluggable block terminals.		
- Power supply:	230 V-AC 50/60 Hz.		
- AC Fuse:	T0.1 A.		
- DC Fuse:	0.25 A.		

(\*) -For the products with built-in current limiter, when they are powered on, such as amplifiers **UDE** models **EP-400**, **AX-309**, **AX-459**, they will be considered as resistive load.

## CONNECTION DIAGRAM



### Note 1:

- According to the consumption of some products installed inside the rack, it may be necessary to install auxiliary contactors.