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- Execution in plastic case, IP55 protection for outdoor or indoor use
- Automatic variation of the output power up to a maximum power of 12W as a function of background noise.
- Manual preset of the minimum output power with a range of 2,5mW to 12W (in the absence of noise) in conformity with the site dimensions.
- Preset of the output volume to background noise ratio

A difficult problem to find a solution for, while working with sound reinforcement system, is the one related to loudspeakers output power adjustment.

Ambient noise variation, which in industrial environments may be of great amplitude, makes not suitable, for a good intelligibility of broadcast messages, a fixed type of output power adjustment not proportional to the ambient noise.

The output power is furthermore dependent on the area which has to be covered; for these reasons, an ideal loudspeaker has to allow the minimum output power selection, without noise, in order to cover the required area and must increase the output power proportionally to the ambient noise increase.

The **XPR14N/24-48V** is an amplified loudspeaker, with

# XPR14N/24-48

## WEATHERPROOF SELF-AMPLIFIED LOUDSPEAKER



plastic case and protection degree IP55 in conformity to IEC 60529, for which the output power varies accordingly to the ambient noise.

Furthermore it is possible to set the minimum output power in no noise condition by means of dip-switches, installed on a setting card placed in the loudspeaker.

The setting card can be accessed by removing the plug located on the back side of the speaker.

The same dip-switches are also used to set the ratio between output power and ambient noise.

### Installation, Operation and Maintenance Procedures

- When mounting the loudspeaker please ensure that it is re-assembled in the same manner in which it was received.
- Fasten bracket with minimum 2 screws.
- To open the loudspeaker turn the front gently counter clockwise and pull.
- To close the loudspeaker, align the two marks on the front and rear parts, and turn the front gently clockwise till it stops.
- Use the attached stop screw to secure the front from undesirable opening during operation. (Optional)
- For optimum performance, always use the correct voltage / power and operate within the frequency limits as stated.
- Do not open loudspeaker when energized.
- This loudspeaker is supplied with a 2 year warranty against defective workmanship.

