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- Execution in plastic case, IP55 protection for outdoor or indoor use
- Internal amplifier power 15W
- Built-in power amplifier, adjustment from 160mW to 15W
- Power supply 24 to 48Vdc
- Consumption at 24Vdc900mA
 at 48Vdc450mA

The loudspeaker **XP14N/24-48** is in a plastic housing with a protection rating of IP55 according to the standard IEC529, and contains internally a power amplifier.

Volume adjustment takes place by means of dip switches which are reachable by dismantling the housing.

The magnetodynamic unit permits excellent frequency response (in the range 300 to 10.000kHz) and an operating power of 15W.

The loudspeaker is fitted with fixing brackets and a hindrance device that blocks changes in the selected inclination in cases of impacts or vibrations.

Inside the housing a power amplifier is mounted that utilises special components capable of supporting high temperatures.

Its circuit is covered by a patent.

The amplifier is equipped with protection against transients in both the power supply and audio inputs.

The audio inputs are a high impedance balanced differential type using a transformer as a galvanic separation between the line and the actual amplifier.

Furthermore all the electrical parts (inputs, outputs

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.

XP14N/24-48

WEATHERPROOF AMPLIFIED LOUDSPEAKER



and power supply) are insulated from the external metallic parts.

A particular active filter with a variable bandwidth in function of the volume levels blocks high values that would otherwise damage the mobile equipment in the presence of high energy at low frequencies.

Rather, at low values the bandwidth is broadened thus ensuring excellent sound quality reproduction, especially in a medium dimension ambient.

The amplifier is made of a circuit that helps avoid transients on the speaker when switched ON or OFF.

Furthermore there is total thermal protection with an automatically timed reactivation circuit and the internal circuits are protected with the use of blade type rapid fuses.

