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# GPH-415 / GPH-30

## Page Horns 70.7/25V & 8 Ohm

### Installation Instructions

Install # I-SD-GPH  
Revision # -0001-R.A

Arnsco models GPH-415 / GPH-30 are designed for use with music/paging amplifiers which have either an ordinary 8 Ohm output terminal or a speaker output terminal of 25v or 70.7V. These self contained paging horns are designed for outdoor use, however life expectancy will increase if the product is brought inside during the winter and stored in a dry location. If they are not stored indoors in harsh weather, then always install in a location that protects the horns. For best sound, install the horns away from the commercial building facing the structure. This in turn will help reduce the amount of sound traveling outside the immediate listening area.

Follow the setting instruction below to make proper selection on the control panel (as fig.1), which is located on the back of the paging horn.

Figure 1



#### To set to 8-Ohm input:

- GPH-415, Connect the black and the green wire and cut off the red wire.
- GPH-30, connect the black and white wire, cut off the green and red wires.
- At this point the internal transformer is bi-passed, and the paging horn is a simple 8-Ohm device....caution should be observed when operating paging horns in 8-Ohm mode as the diaphragms are fragile and can burn out easily. ALWAYS restrict the low frequencies on these horns to frequencies above 100 Hertz. A simple solution here is to use a capacitor in series with the device to filter out this low frequency.

**Be cautious with this setting, as there is no internal power limit system built into these horns.**

#### To set to 25 or 70.7 Volt Input:

- Make sure that the rotary switch is set to the lowest power setting for the voltage applied before you begin wiring. If you do this you will potentially avoid harming the horn or your colleagues hearing if it is set too high and activated in error.
- GPH-415, Second operation, remove the green wire from the harness, you will be hooking up to the red and black wires.
- GPH-30, Second operation, remove the black and white wires harness, you will be hooking up to the red and green wires.
- Note: make sure the wires discussed above are removed, or you will destroy the voice coil if 70 or 25 volts hits it!
- Assemble the base to the horn, install the horn in the location you require, set the selector switch to the desired power setting by simply dialing in the power setting based on the voltage you are using.

**Please keep in mind, if you touch 70/25 volt line to the 8 Ohm Wires, you will permanently damage the horn.**

Note: Specifications are subject to change without notice.



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