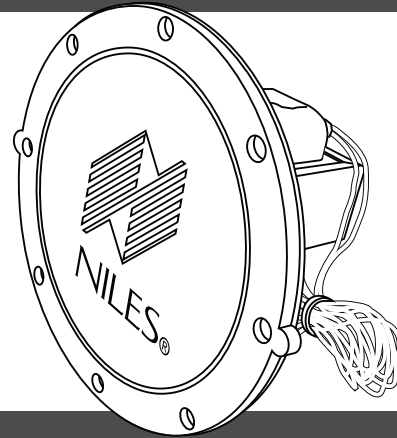


GSS70V TRANSFORMER

70 VOLT INLINE DISTRIBUTION
TRANSFORMER FOR THE
GSS10 IN-GROUND SUBWOOFER



CONGRATULATIONS!

Thank you for choosing the Niles GSS70V Transformer. Niles manufactures the industry's most comprehensive line of custom installation components and accessories. For information on our complete product assortment, please visit us at: www.nilesaudio.com.

INTRODUCTION

The Niles GSS70V is a specially designed commercial grade exterior in-line distribution transformer for 25v, 70v, and 100v use. Its easy-to-install, hassle-free, weatherproof design allows you to simplify your loudspeaker wiring installation.

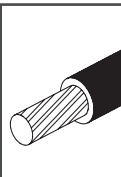
By using the GSS70V, you can install any standard 8 ohm loudspeaker and supply the sound using a 25, 70 or 100v amplifier. Its simple switch selector knob lets you instantly adjust from any of the most popular 70v tap wattages of 7.5W, 15W, 30W, and 60W.

The GSS70V can be used worldwide in any 25, 70 or 100 volt installation. Here is the basic equivalency:

Tap Setting	7.5W	15W	30W	60W
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TECH TIP

Wire size is expressed by its AWG (American Wire Gauge) number – the lower the number, the larger the wire. For example, 12 AWG is physically larger than 14 AWG.



Keep in mind that 70v distributed audio systems typically require a smaller cable gauge than standard 6 or 8 ohm loudspeakers.

Here is a general gauge/wire length chart that may be helpful as a guide:

AWG Gauge	7.5W	7.5W	7.5W	7.5W
18	9,000' (2,743m)	4,500' (1,372m)	3,000' (914m)	2,250' (686m)

INSTALLATION INSTRUCTIONS

Before changing any wire connections, make sure that your amplifier is turned OFF.

The GSS70V has two separate pairs of wires, labeled “IN” and “OUT”.

- 1) On the side labeled “IN”, Connect to the wires on the GSS70V labeled “IN”.
Twist each wire and secure by using the wire nuts provided. The wire nuts come with impregnated silicone to insure a secure and protected connection.
- 2) Repeat this process on the “OUT” side of the GSS70V with the cable leading to the 8-ohm loudspeaker.

Please note:

The default setting of the GSS70V is to the “8 ohm” position. This is to prevent common wiring mistakes by those less familiar with distributed audio systems. Before turning your amplifier ON, carefully check this setting and choose the appropriate wattage tap of 7.5, 15, 30 or 60 watts based upon the requirements of your particular installation. Do not exceed acceptable impedance matching for your amplifier as this can damage the system. If you should have any questions regarding this, please consult with an installation specialist who can assist you.

The distance between a GSS70V and the connected loudspeaker is critical to the design. Power and/or voltage drops will occur more frequently when the cable length between the GSS70V and the loudspeaker are too great. Here is a general guide of the wire gauges recommended between the GSS70V and the loudspeaker:

Cable Length	50' (15m)	150' (46m)	200' (61m)	250' (76m)
AWG Gauge	18 ga	16 ga	14 ga	12 ga

Tips to ensure a trouble-free installation:

- 1) Pay close attention to your wire connections. Crossing the positive and negative terminals will result in loudspeakers being out of phase, reduce the output, reduce the audio quality, and possibly damage your amplifier or other connected loudspeakers.
- 2) Make sure that you don't drop below your amplifier's recommended impedance level.
- 3) Only adjust loudspeaker and amplifier connections while the amplifier is turned off.

CONGRATULATIONS!

NOTES