

# PRO-SOUND DEFENDER

## AGL-PSD-1 & AGL-PSD-2

Every technician or professional musician has faced it before or soon will... "The dreaded" **humming** from the speakers, that can drive you completely crazy, a telltale sign of ground loop problems. Ground loops are caused by ground potential differences in your equipment.

Now, you can "**STOP**" ground loops by using the **AGL-PSD Series of Pro-Sound Defenders** without any need for ground filters and phase invertors. This rugged, yet sleek and portable in-line product is perfect for professional audio users allowing them to just plug it directly into the inputs or outputs of their equipment.



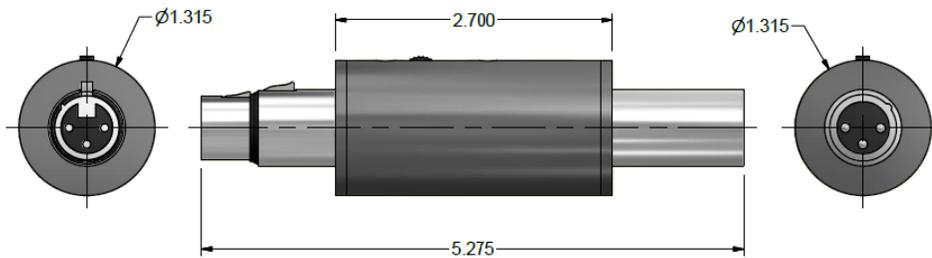
The **Pro-Sound Defender** totally outperforms all the industry leading inline isolation transformers. These are a high quality, totally passive audio transformer that will isolate the input and output signal grounds, thereby reducing hum & ground loop noise. This high performance transformer has extremely flat and wide frequency response and can handle high signal level while maintaining an isolated balanced output. **AGL-PSD-1** has ground lifter switch has three positions to solve any combination of grounding problems. Both **AGL-PSD-1 & AGL-PSD-2** give a very clean and neutral sound with a wide variety of signal sources. They are designed to be used with impedances from 600 Ohms to 10K Ohms.

### FEATURES & SPECIFICATIONS:

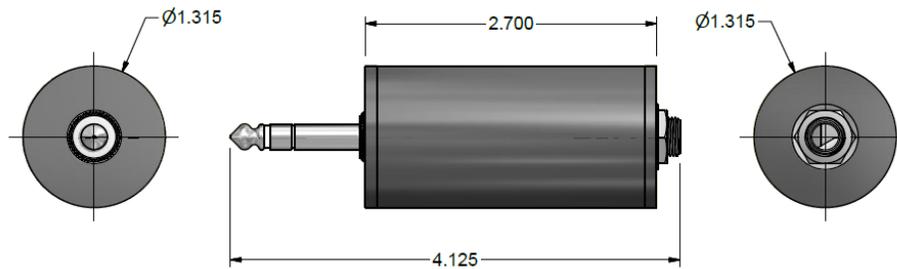
- ❑ Perfect for Pro-Sound applications, Studios, Concerts, Garage bands, etc.
- ❑ Eliminates noise interference in line level applications, such as a *connection between a microphone and a mixer or a connection between a mixer and an amplifier*
- ❑ Removes Ground-Loop, Mode Noise and differentially-induced Hum
- ❑ Rugged, Compact In-Line device
- ❑ Flat and wide frequency response from 3 Hz to over 100 KHz
- ❑ Handles high signal levels
- ❑ Totally transparent, Distortion-Free
- ❑ Gives clean and neutral sound
- ❑ Excellent Signal Fidelity
- ❑ Easy to Use, Passive device
- ❑ Available in both XLR connectors and 1/4" Phono connectors

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## AGL-PSD-1 DIMENSIONS:

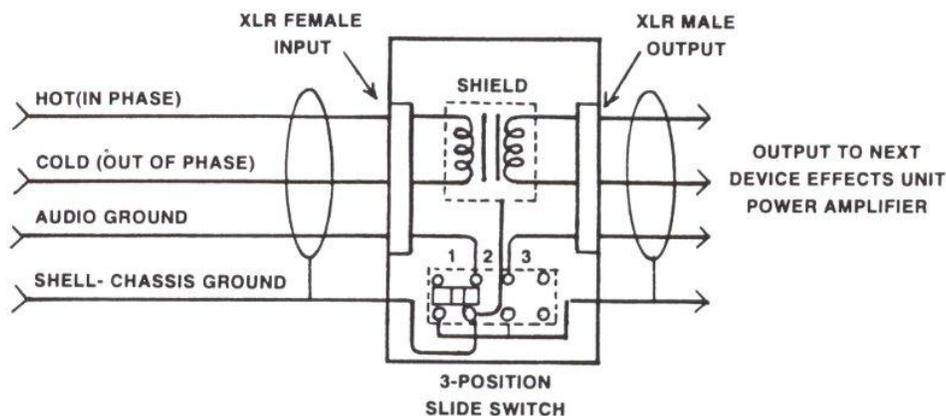


## AGL-PSD-2 DIMENSIONS:



All transformers in the AGL-PSD series are true isolation transformers that are designed with flat frequency response and wide bandwidth, which provides linear response and distortion-free audio with excellent pulse fidelity.

AGL-PSD series will stop hum, buzz and line balance problem. The 3-position switch on AGL-PSD-1 will eliminate the need to cut pin "1" to lift the audio ground and the connection to shield.



- **SWITCH POSITION 1:** Chassis shield connected. Audio ground not connected. Acts as a balanced line transformer to break ground loops.
- **SWITCH POSITION 2:** Chassis shield and audio connected. Corrects balance on audio lines.
- **SWITCH POSITION 3:** Chassis shield and audio connected. Breaks ground loops provides audio isolation.

Allen Avionics has Hum Eliminators and Isolation Transformers for SDI, HD-SDI, S Video, NTSC, Composite, HDTV Analog (Y, Pb, Pr or RGB), Component, Y R-Y B-Y. They can be used in any brand of Audio or Video equipments

For additional technical information or ordering information call our technical sales department at 516-248-8080. You can also see us at [www.allenavionics.com](http://www.allenavionics.com) or Email any questions you may have to [sales@allenavionics.com](mailto:sales@allenavionics.com).