NS1535 / NS3035

Noise Suppressor Instructions

The *Antenex® Noise Suppressor* line features a high impact molded plastic housing with components encapsulated in a waterproof, vibration proof compound. Heavy gauge wire and a high current rating make them ideal for the two- way radio, cellular, marine, C.B., or car audio dealer.

This quality product is a general purpose low pass filter, used to reduce power line noise in both Audio Frequency and RF ranges. Noise is commonly generated by the alternator, ignition system, voltage regulator, and other accessories in the vehicle. Alternator whine is one of the most common problems. It can be identified as a varying pitch corresponding to engine speed that can find its way to either the receiving or transmitting end of the radio. Accessories such as AC fans and electronic fuel pumps may generate RF interference that can be significantly reduced with the *Antenex® Noise Suppressor.*

This product can be used in heavy equipment and marine 24 Volt systems to protect sensitive devices from large transient spikes which are commonly generated by the ignition system. Convenient mounting holes are located on the box for easy installation in the vehicle.

PRODUCT SPECIFICATIONS

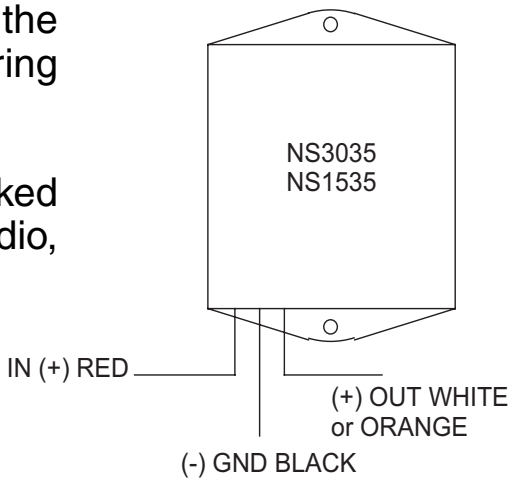
	NS1535	NS3035
Max. Supply Voltage:	35 Volts DC	35 Volts DC
Max. Current:	15 Amps 50% Duty Cycle 5 Mins on / 5 Mins Off 12 Amps Continuous	30 Amps 50% Duty Cycle 5 Mins on / 5 Mins off 20 Amps Continuous
Max. Voltage Drop:	.54 V @ 15 Amps	.50 V @ 30 Amps
Audio Frequency Cut-off:	287Hz	287 Hz
Attenuation:	1 KHz 22dB @ 7A 19db @15A 3KHz 41dB @ 7A 38 dB @ 15A	1 KHz 22dB @ 15A 19db @30A 3KHz 41dB @ 15A 38 dB @ 30A

CAUTION: DO NOT Reverse the polarity on this device. This will cause permanent damage and void your product warranty!

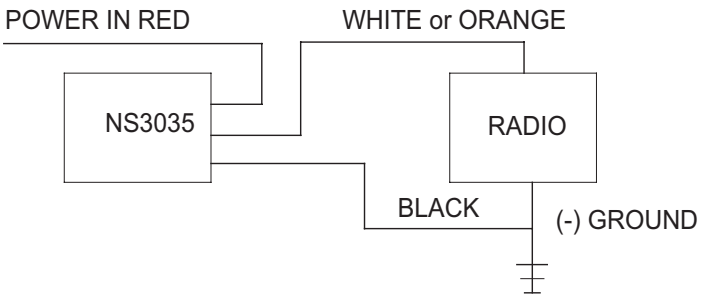
Installation:

For Safety, it is recommended that the positive terminal of the battery be disconnected during installation.

The noise filter should be hooked up as close to the device (radio, converter, etc.) as possible.



Wiring:



Note:

By installing two filters between the battery and the radio, the filtration is increased. At 1 KHz the attenuation in the doubled circuit would be 40dB as compared to 20dB with a single filter.