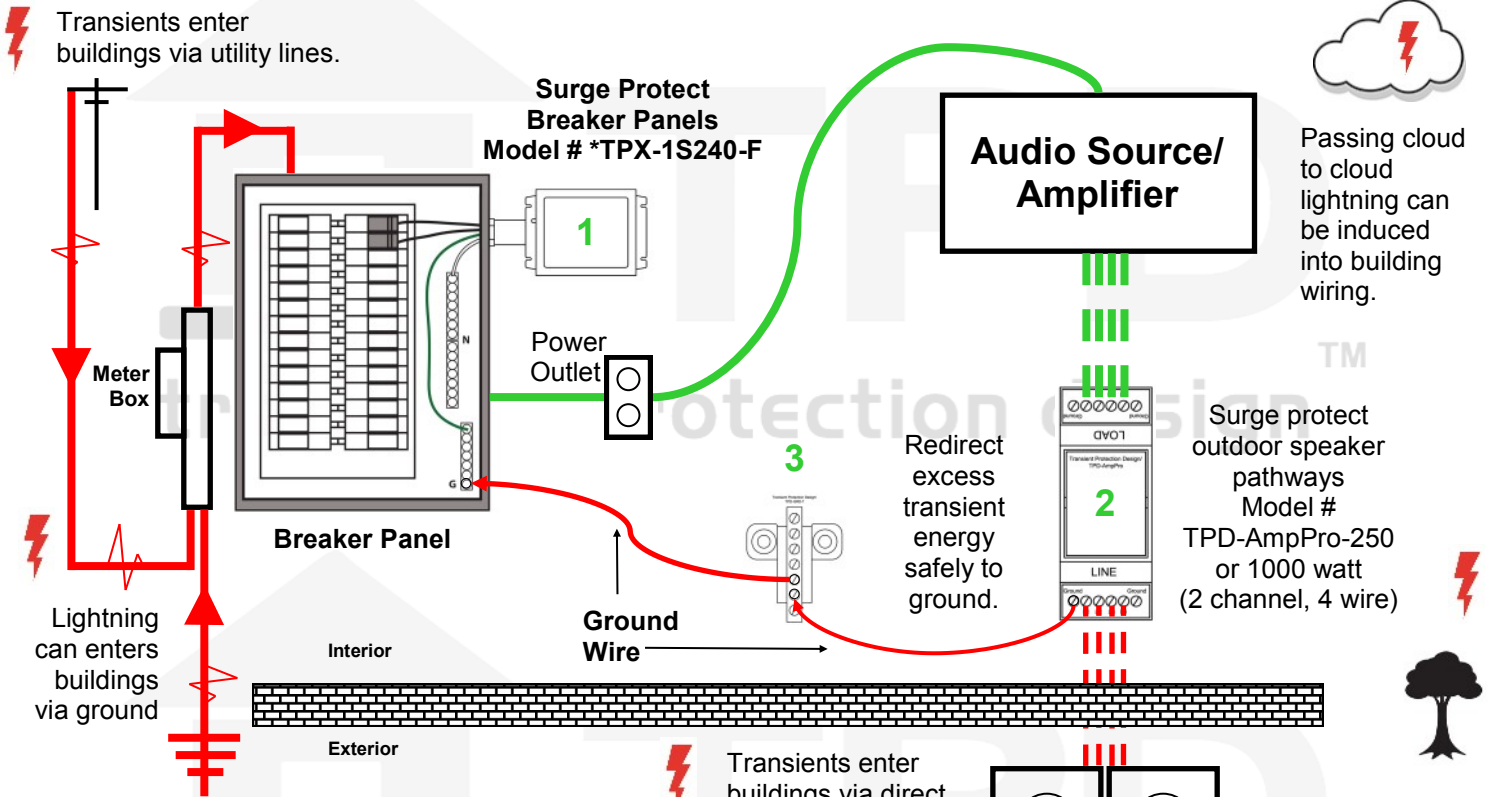


# Surge Protect Amplifiers & Outdoor Speakers

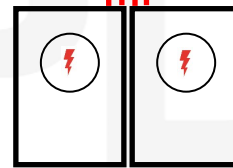


1. Transient Protection Design AC breaker panel protection is recommended when using data surge protection. Data surge protection diverts excess energy from data lines into the power grounding system. By strategically protecting branch breaker panels with the TPX, surge events will once again be equalized and safely contained at the breaker panel. The panel mounted TPX protects the ground and the power going to each power outlet.

2. Strategically protect speaker wire pathways that are driving outdoor speakers. Installing the TPD-AmpPro series will reduce damage caused by surges that enter on these pathways and destroy amplifiers and receivers. Units should be installed as the wires leave the house assuring that the amplifier and wiring are protected inside the house. Lighting will not only destroy electrical equipment but it can also destroy wiring. The units can also be placed next to the speaker to protect that end of the line.

3. TPD ground bars have isolated mounting feet. The 7-position grounding buss is used for assuring a good electrical connection. This connection is better than using a wire nut.. Ground multiple suppressors to the TPD-GRD-7 and then using a larger gauge wire connect the ground bar to the appropriate ground.

Transients enter buildings via direct lightning strikes to buildings and or outdoor equipment on building or property.



Nearby lightning strikes up to a mile away can enter a building via outdoor copper lines.

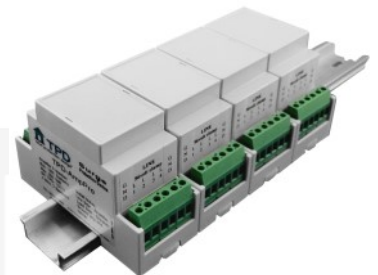
1 \*TPX-1S240-F

2 TPD-AmpPro

Sample picture of : (4) TPD-AmpPro-250 which protects 8 channels/ outdoor speaker leads to amplifier or receiver



3 TPD-GRD-7



Need additional assistance?

Call Technical Support

1-888-281-7856

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[www.TransientProtectionDesign.com](http://www.TransientProtectionDesign.com)

\* Depending on size, voltage and exposure level designers should refer to their product lists for a complete list of product options. If you do not have this list please email [tim@tpdsurge.com](mailto:tim@tpdsurge.com) for more information. Drawings are not to scale and should only be used as a visual representation. Installation instructions should be followed for optimal performance and adequate grounding.

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