Abstract

Armstrong came up with new suspended ceilings in which they run DC power through them and products that are 24V are able to be plugged into the beams to be powered. Our mission was to come up with an innovative new application to use in the ceilings of a commercial building.

We thought about the different buildings and since we are in school we thought about doing a high school. We thought about the different technologies that schools use and we thought about a PA system because it's popular in a lot of schools and it's installed in almost every room. We thought about being able to plug the speakers into the beams and running the PA system wirelessly through software on a computer. Our final product is a speaker that has a built in smoke detector which sends a signal back to the computer which can tell where the smoke is being detected.

Penn State

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The Gettysburg Addresser

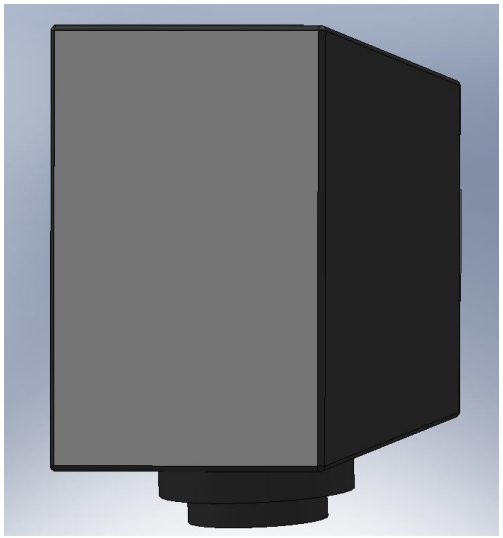
Getting the attention of classrooms everywhere

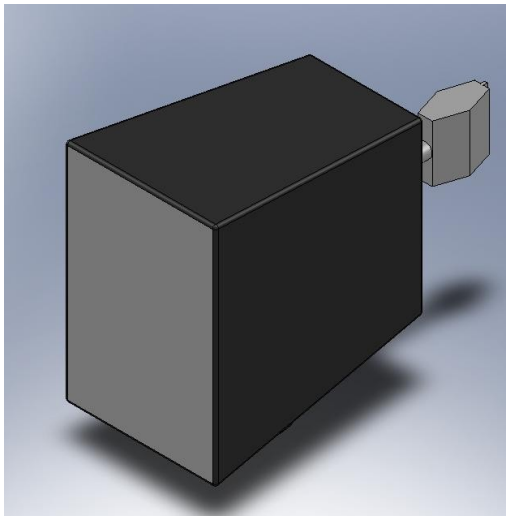
Awesome Features

Gettysburg Addresser!

Safety:

This product is conveniently equipped with a smoke detector which sends a signal to the computer source alerting them where the smoke is coming from! This feature eliminates your trouble of going out of your way for separately installing a smoke detection system within the school.





Security:

For security purposes this product is efficiently secured with a voice recognition password to eliminate the hacking in of students or other sources. All you do is conveniently speak into our desktop microphone (included with Gettysburg Addresser package) and it will access the addresser's system. Easy to set up and use!

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EDesign 100
Section 004
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