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Distributed Monitoring and Control of HVAC's Air Handling Units

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Distributed Monitoring and Control of HVAC's Air Handling Units

Final Project Report

04/26/2017

Ricky Ryckman

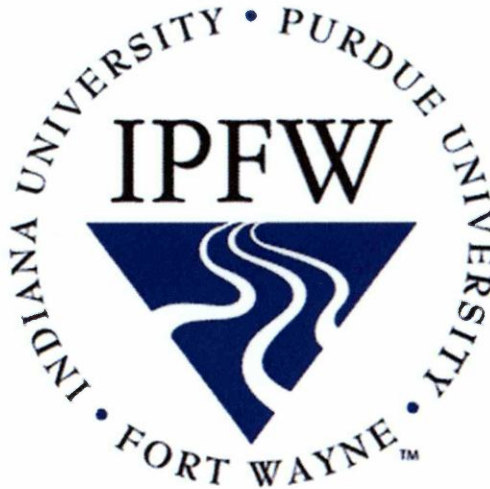
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ENGW 421 Technical Writing Project

Submitted to:

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Abstract

The Distributed Monitoring and Control of HVAC's Air Handling Units project is designed to create heating and cooling zones for residential HVAC applications. It does this by wirelessly monitoring and controlling separate air-handling units within the home using Arduino-based main monitoring node and temperature nodes. Once the temperature is at or above the set temperature the vent in that room will be closed by the temperature node. Once all vents are closed and the temperatures are where they need to be the furnace will shut off. This help to both level out the temperature in your home and to only heat the rooms that need to be heated.

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