

AURA: TEAM 4

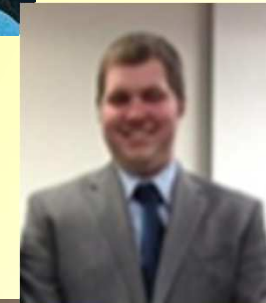
- Luke Behling



- Matt Kieckhafer



- Caleb Romenesko



- Max Nemer



- Garry Jean-Pierre



<http://images.costco-static.com/image/media/500-836758-84>

AURA: THE LAST WINDOW FAN... YOU'LL EVER NEED!

You get peace of mind knowing that wherever applied, your room will be just how you like it; breathing easy, comfortable, air year round.

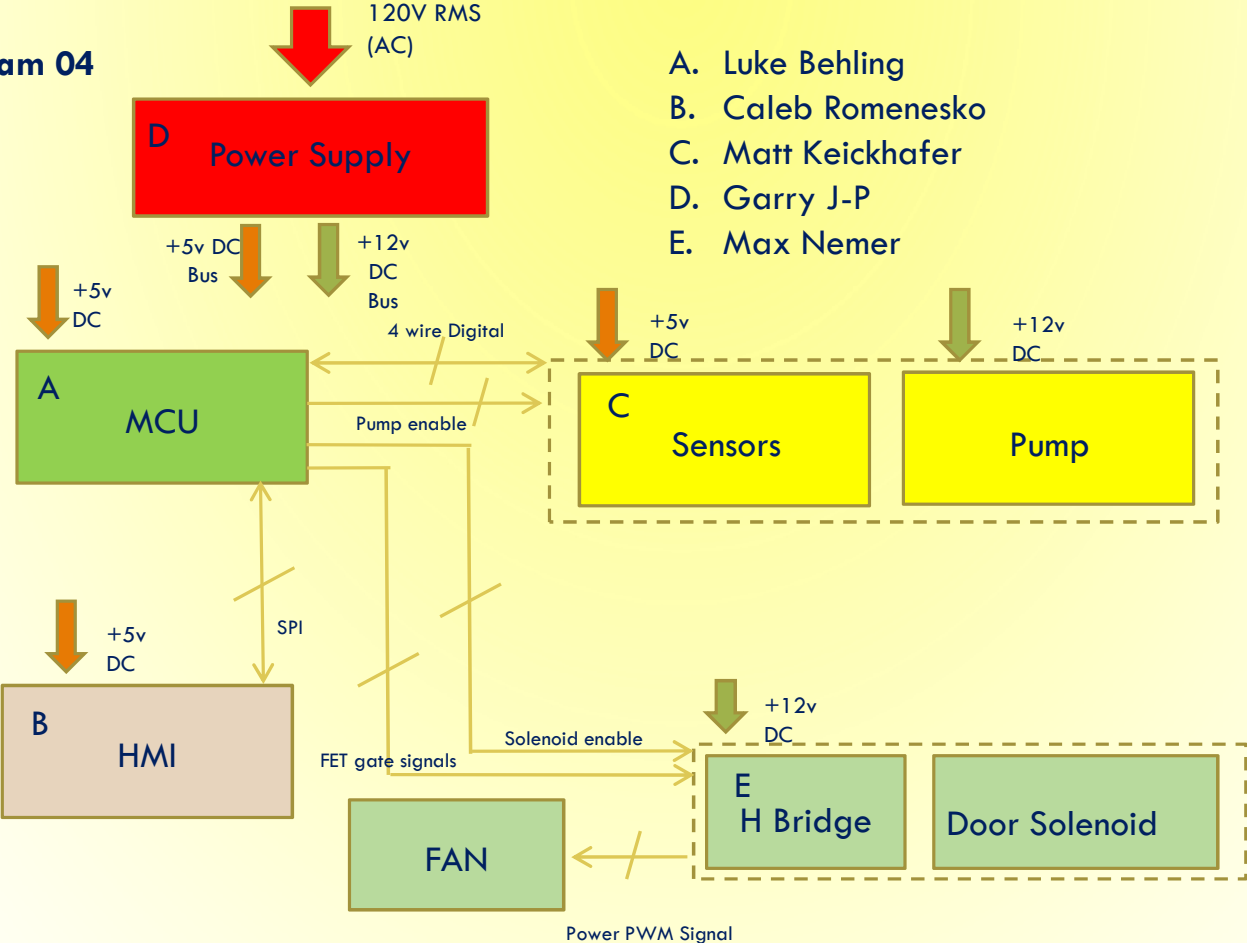
- Smart Mode to monitor and maintain set point conditions automatically
- Two Reversible 100CFM PWM controlled DC fans provide automatic multilevel bi-directional room air flow control governed by aggregated zone humidity and temperature data
- 60dB of noise providing comfort no louder than a normal conversation
- Available in US and Canadian markets

AURA PRODUCT REQUIREMENTS

- Cost
 - Sale Price: \$300
 - Component Cost: \$100
 - Assembly & Test Costs:
 - Assembly: \$50
 - Test: \$25
- Environment
 - Commercial/Residential Indoor use
 - Operating Temp Range: 0 thru 60 degrees Celsius
 - Operating Humidity Range: 0 – 100 % Relative Humidity
- Power Input(s)
 - Residential AC Power: 102-132 VAC @ 5Amps Max
- Major Functions, Quantities Measured, Displayed
 - Programmable and 'Smart Mode' control options
 - Temperature
 - Displayed to user on HMI
 - Accuracy: within 2 degree Celsius
 - % Relative Humidity
 - Displayed to user on HMI
 - Accuracy: within 2% Relative Humidity

BLOCK DIAGRAM

Team 04



- A. Luke Behling
- B. Caleb Romenesko
- C. Matt Keickhafer
- D. Garry J-P
- E. Max Nemer