



## August 2019

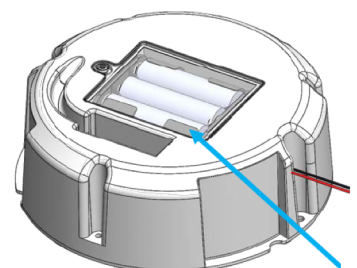
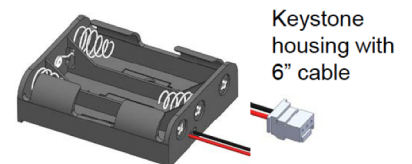
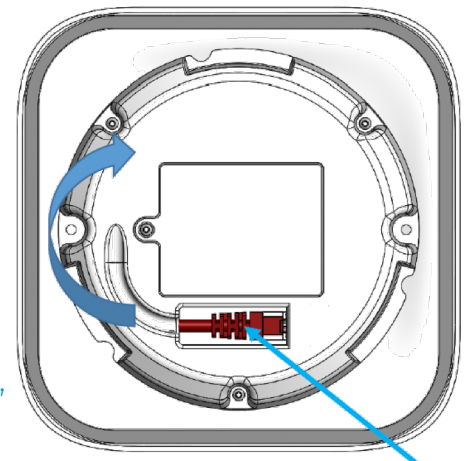
We can't believe it, but this is our last time to formally touch base with our stakeholders before our meeting with UL on October 3<sup>rd</sup> and 4<sup>th</sup>. As expected, we have spent a vast majority of the past month preparing for the upcoming meeting.

From a business perspective, we have further refined use-cases for the device and focused much of our time making decisions around manufacturing - analyzing different models and start up costs using a project balance sheet.

Mechanically, we have made two significant improvements: we have shifted the ethernet jack to horizontal rather than vertical so the cable has less drastic bend radii, making an accidental cable ejection less likely; and we have finalized the battery requirements for the device. Additionally, we have added an alignment notch on the main PCB to reduce incorrect installation. The next steps for the mechanical engineers include releasing housing for the prototype and continuing to research UL manufacturers for the device, PCBA, and ceiling box.

Electrically, we have completed the photoelectric sensor hardware, ionization sensor hardware, and the voltage regulator design. We will finish out the following tasks prior to the UL visit: ethernet switch design, PoE circuit design, IoT ethernet bridge, camera connections, and the PCB layout and mechanicals.

We are so appreciative of your well wishes and support as we approach the next milestone this month. We can't wait to report back following the meeting. As always, if you have any questions or concerns, please don't hesitate to reach out to any of the below team members.



# Contact Us



Briana George | Managing Partner,  
Administration

[Briana@orrigen.com](mailto:Briana@orrigen.com)



Andrew Kitch | Managing Partner, Business  
Development - Residential

[Andrew@orrigen.com](mailto:Andrew@orrigen.com)



Austin Chew | Managing Partner,  
Operations

[Austin@orrigen.com](mailto:Austin@orrigen.com)



Mason Orr | Managing Partner, Business  
Development - Commercial

[Mason@orrigen.com](mailto:Mason@orrigen.com)



Mike Orr, Chief Technology Officer

[Mike@orrigen.com](mailto:Mike@orrigen.com)



Macie Walker, Chief Executive Officer

[Macie@orrigen.com](mailto:Macie@orrigen.com)