3 products (the front door digital lock, the one in his lab, and the chinese one that is expensive)

Potential Metrics

-cost

-remote connectivity

-rated uses

-strength/durability (how to measure, such as physical force)

-size

-method of attachment

-signals (mechanical or electrical)

-power delivery

-method of verification (unlocking)

Need Statement

A way to securely lock the fridges in lab settings to ensure people’s research samples are protected and something that is ***adaptable*** to multiple different types of refridgerators.

Our device is to solve security with refrigerated products in order to ensure the contents in the lab refrigerators are secure.

***Current Main Need Statement:*** Our device is to solve security with refrigerated products in order to hold accountability.for lab members to ensure the refrigerator door is shut.

-look for current listing and what type of locks Yongheng uses (brand and type)

-ask for Amazon links

Started working on this at 4:56PM 10-16-23 5:45 10-16-23

10-17-23 10:36AM

Sifely Lock

<https://www.sifely.com/download>

-cost ($129.99)

-remote connectivity (uses Gateway router <https://www.sifely.com/_files/ugd/7b5e00_4063b7ee11b148caaa7174e0486a6a67.pdf>)

-rated uses

-strength/durability (how to measure, such as physical force) (75 MPa)

-size (7 x 3 x 1.12 inches)

-method of attachment (attached by latches and screws)

-signals (mechanical or electrical)

-power delivery (4 AA batteries)

-method of verification (unlocking) (App, Fingerprint, Passcode)

10:59 AM 10-17-23 BC