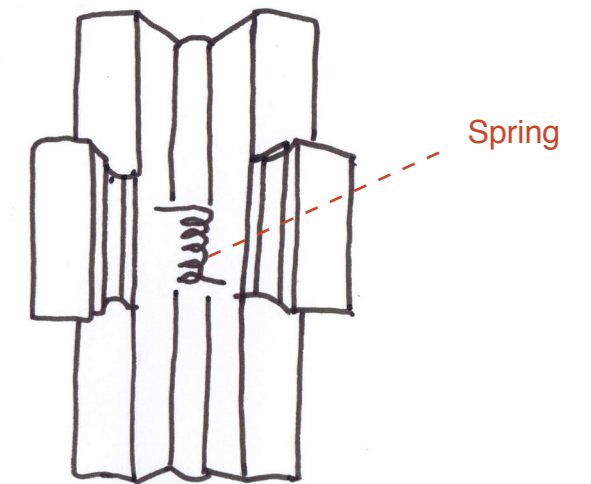
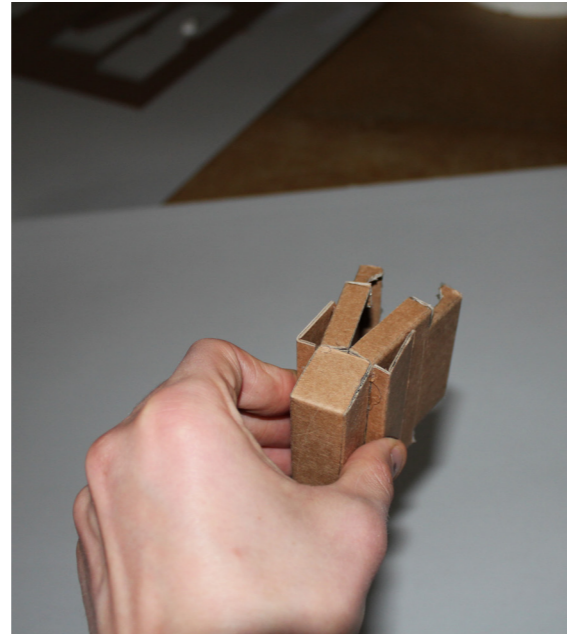
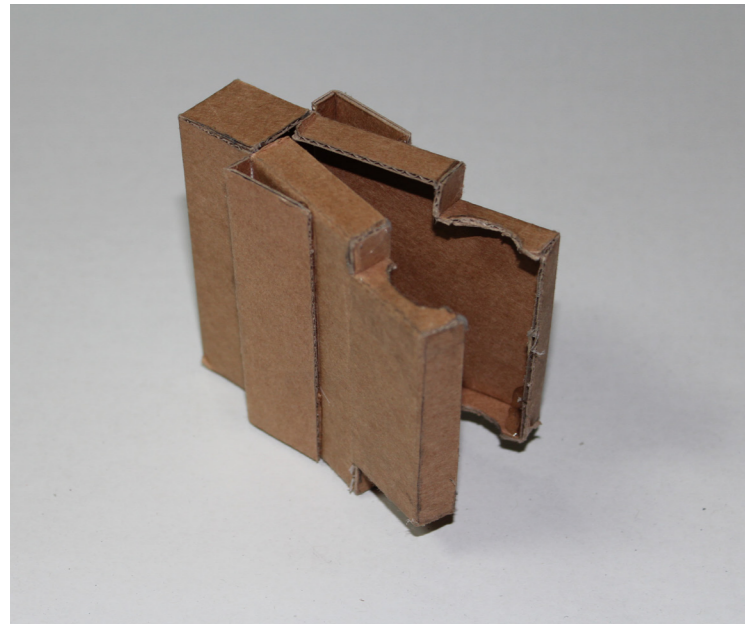


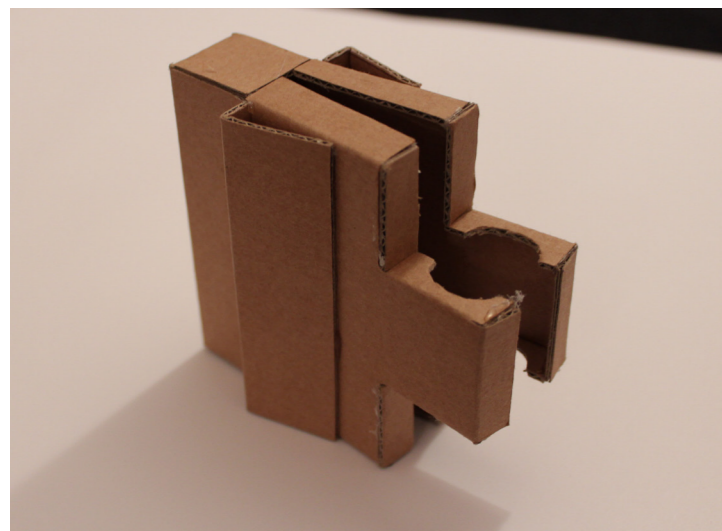
Clip Design



Further Development

The feedback on the first two iterations was that dexterity issues mean maybe adding some form of leverage into the product to help open and increase control would be desirable.

With this feedback, two levers were added with a sprung mechanism, similar to a hair clasp, meaning the sides were pressed to open and shut when let go, clicking as it locks to feedback to the user it is in fact in place. [11] The circled region shows location of LED as its always within the main field of vision during use



Applied Data

Finally, feedback from users was that the manoeuvrability of the clip end could be increased by a decrease in size. With an already thin profile allowing it to fit between cables, having a smaller height improves control. Comparing the end to the size of the existing clip proves the feasibility of the change with not too much surface area needed for the clip end.

Overall, the feedback was very positive over the redesign. The main issues were too many parts and a stiff, awkward clip. By introducing one part clip and transmitter we can simplify the installation. By thinning the profile and reducing clip size we can allow the users to come at the product from the front always, reducing the fear around live cables by taking away the need to get round the back.