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A lock shielding door handle that sits flush to the case

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HANDLYN

This lock shielding handle will sit flush with its casing until presented with a key fob specific to that handle. The handle will then push out and extend uncovering the cylinder lock, and allowing conventional entrance into the household.



Research question / opportunity

Whilst researching burglaries it was discovered that around 32% of all burglaries involved forced entry. [1] This led to conceptual ideas around preventing the use of a handle in the event of the cylinder lock being snapped. Additionally, if the cylinder lock could be protected that would provide an advantage. As most burglars are opportunists [2] it was established that having a door handle that looked different from a distance would provide a visual deterrent and aid in discouraging potential criminals.

Conclusions / recommendations

A development would be an asymmetrical handle with the inside handle having a quick release mechanism to allow people on the inside of the house a fast and easy escape in the event of a fire or emergency.

The release mechanism for the handle could in future development be integrated into a Smart-phone app, as well as being integrated into a key fob. This would provide even more security that is personalised to the user and can be controlled with encryption technology.

References

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