



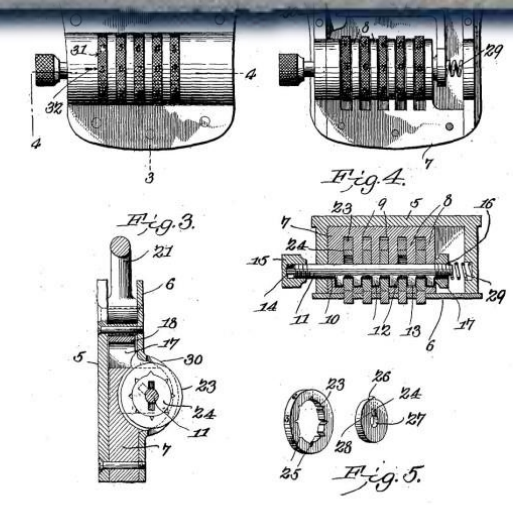
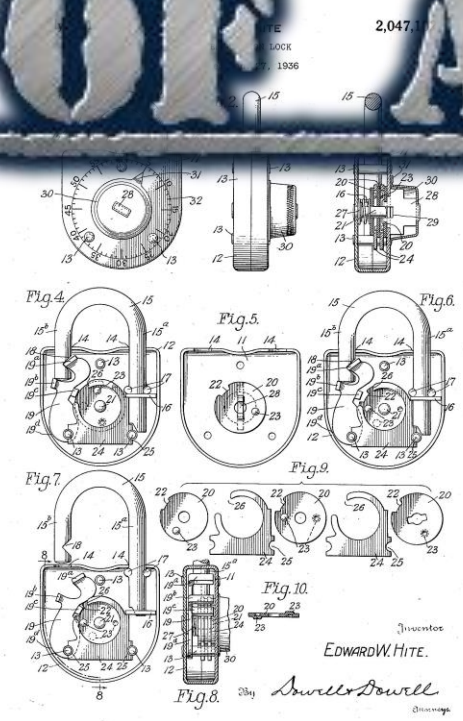
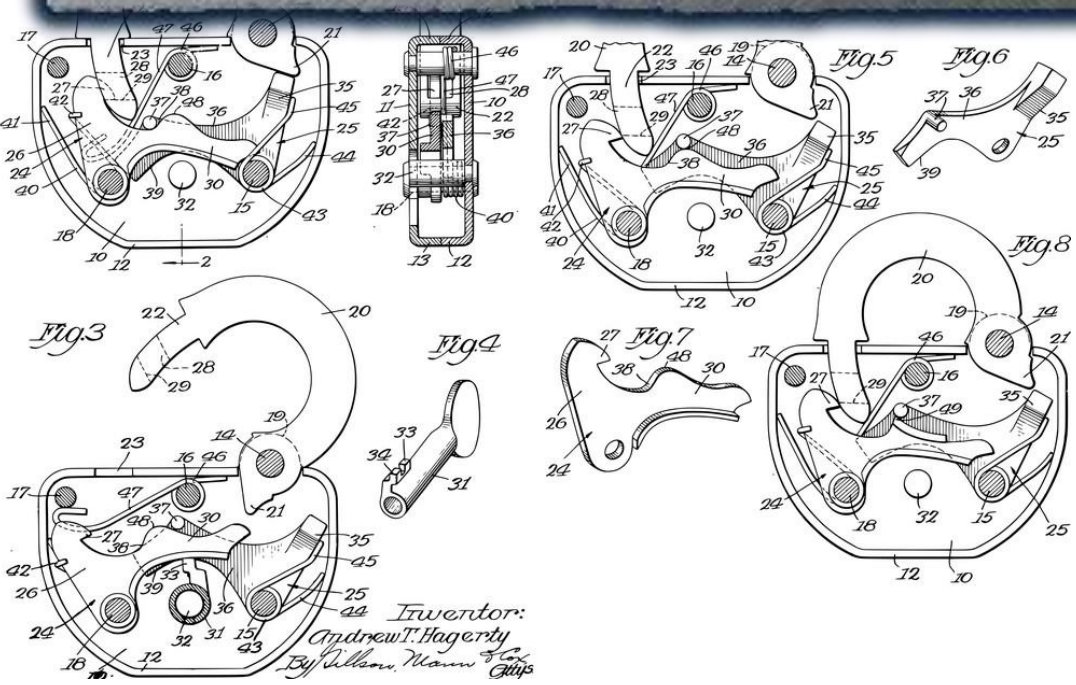
Cyber Clinic 6

LOCKPICKING

May 12, 1912

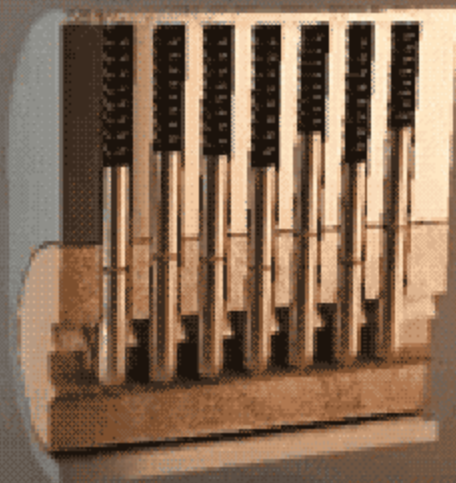
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ANATOMY OF A LOCK





Pin Tumbler



Pin height

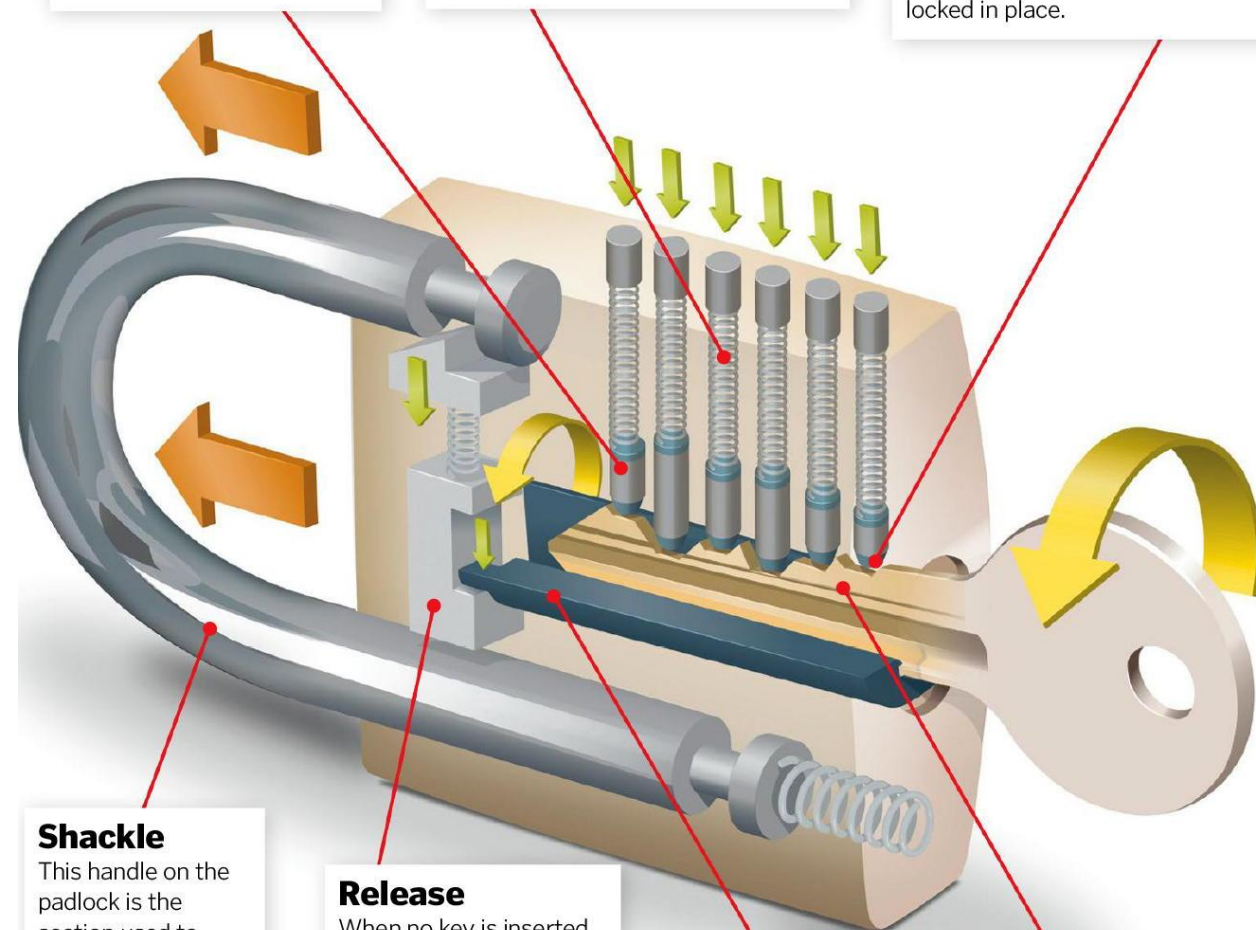
Each pin varies in height. When each of them is lined up correctly by the teeth on the key, the key can turn the cylinder without obstruction.

Spring position

When no key is compressing the springs, they relax and stretch out in their resting position. This moves the pins downwards, blocking the cylinder from turning.

Driver pins

Above the key pins are driver pins. When no key is placed in the padlock, these no longer align with the cylinder. It prevents the cylinder moving and the U-shaped shackle is locked in place.



Shackle

This handle on the padlock is the section used to attach two items together. This metal shackle is held firmly in place by the mechanism inside the body of the lock, keeping belongings secure.

Release

When no key is inserted, this section is firmly hooked into the shackle, stopping it from being pulled out. When unlocked, the movement of the cylinder releases it, and the U-shaped shackle is freed.

Cylinder

When the breaks in the pins line up with the cylinder edge, the key is able to rotate the cylinder freely inside the padlock.

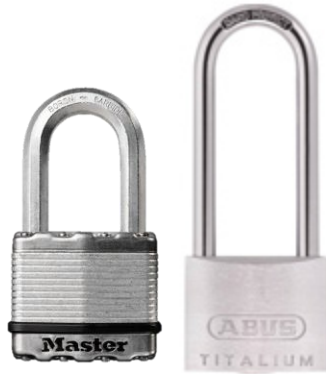
Teeth

The key that fits the lock has a ridge pattern unique to that specific padlock.

TYPES OF LOCKS



Keyed Padlocks (Pin Tumbler)



Standard /
Open Shackle Padlock

- Most common type of padlock
- An exposed or extended shackle allows bolt cutters and saws more room to manoeuvre



Closed Shackle
Padlock

- More difficult to attack with a saw or bolt cutters
- By enclosing the shackle you reduce the useable clearance of the lock



Straight Shackle
Padlock

- Commonly known as a Shutter Padlock due to how it fits over rolling-shutter doors



Round Shackle Padlock

- The shackle is protected like a closed shackle padlock. Tools can't easily access the shackle.
- Shackle is not spring loaded so it won't open even if you drill through the keyway.

Combination Padlocks

Combination Padlock

- Most common type
- Commonly used for where lots of people need to access a location
- VERY Easy to crack

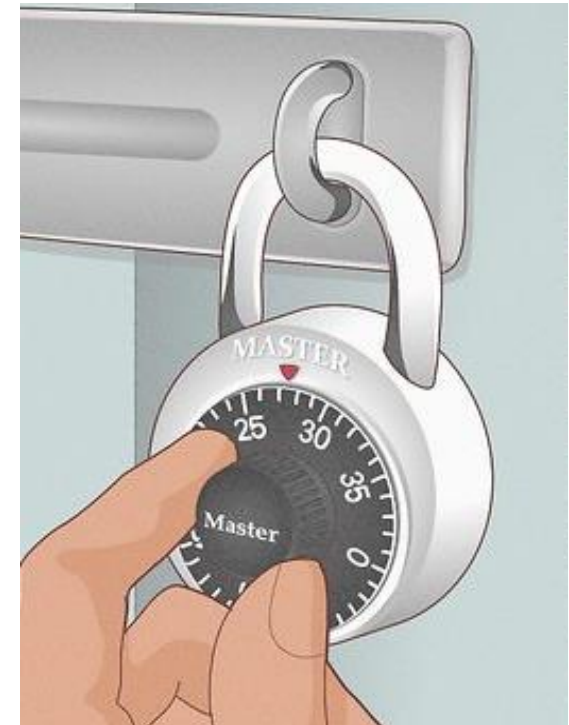


Keypad Padlock

- Normally mounted on doors
- Can be bypassed using a under door tool
- Hard ish to pick



Bank safe Padlock??



How to Pick a Combination Padlock

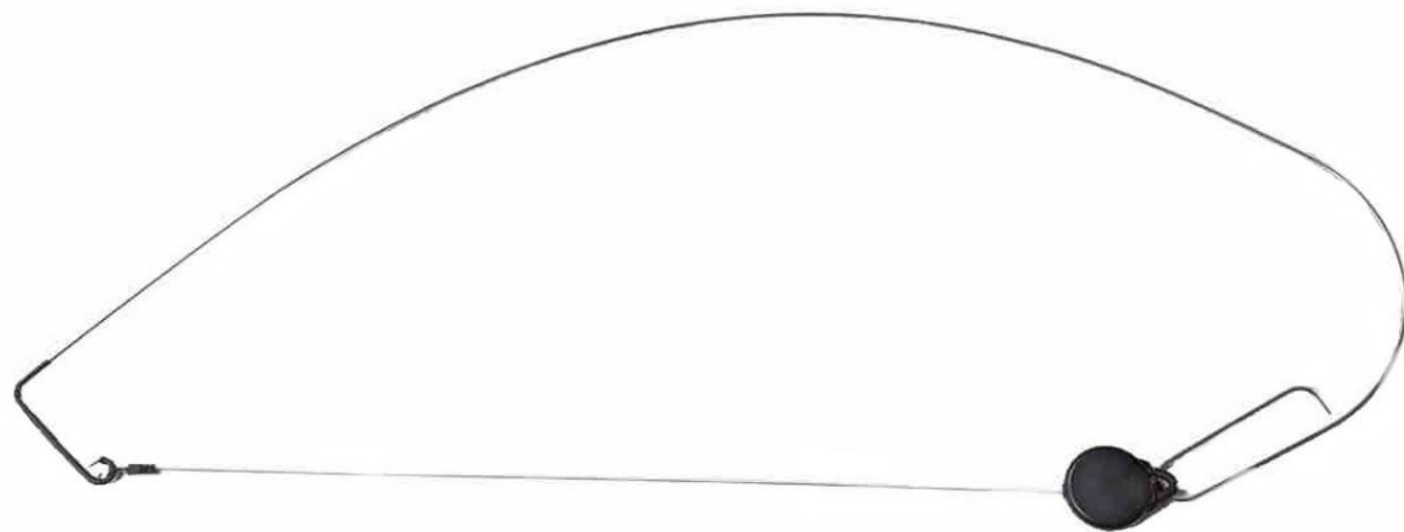
Forget the lock, lets attack the door



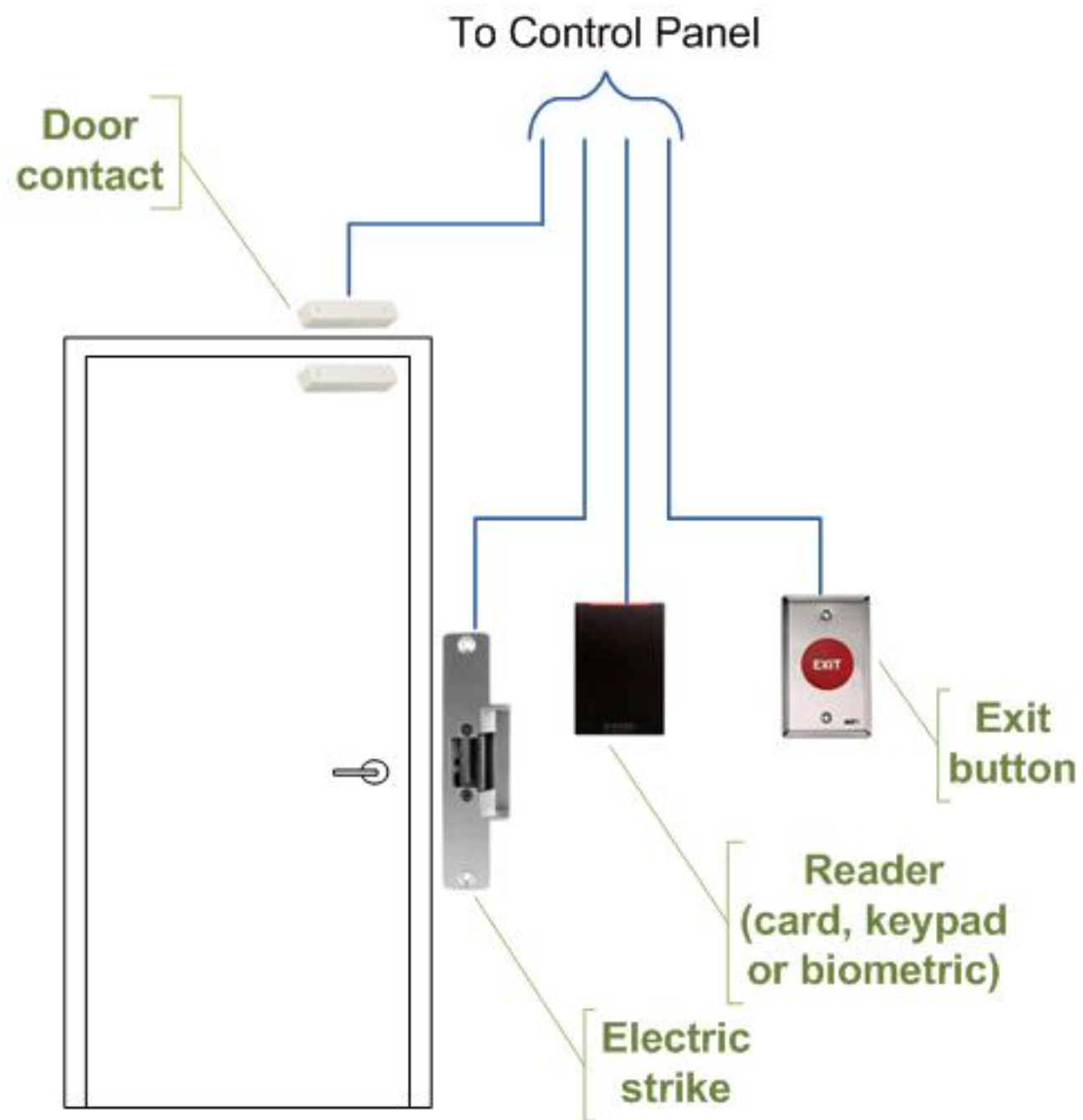


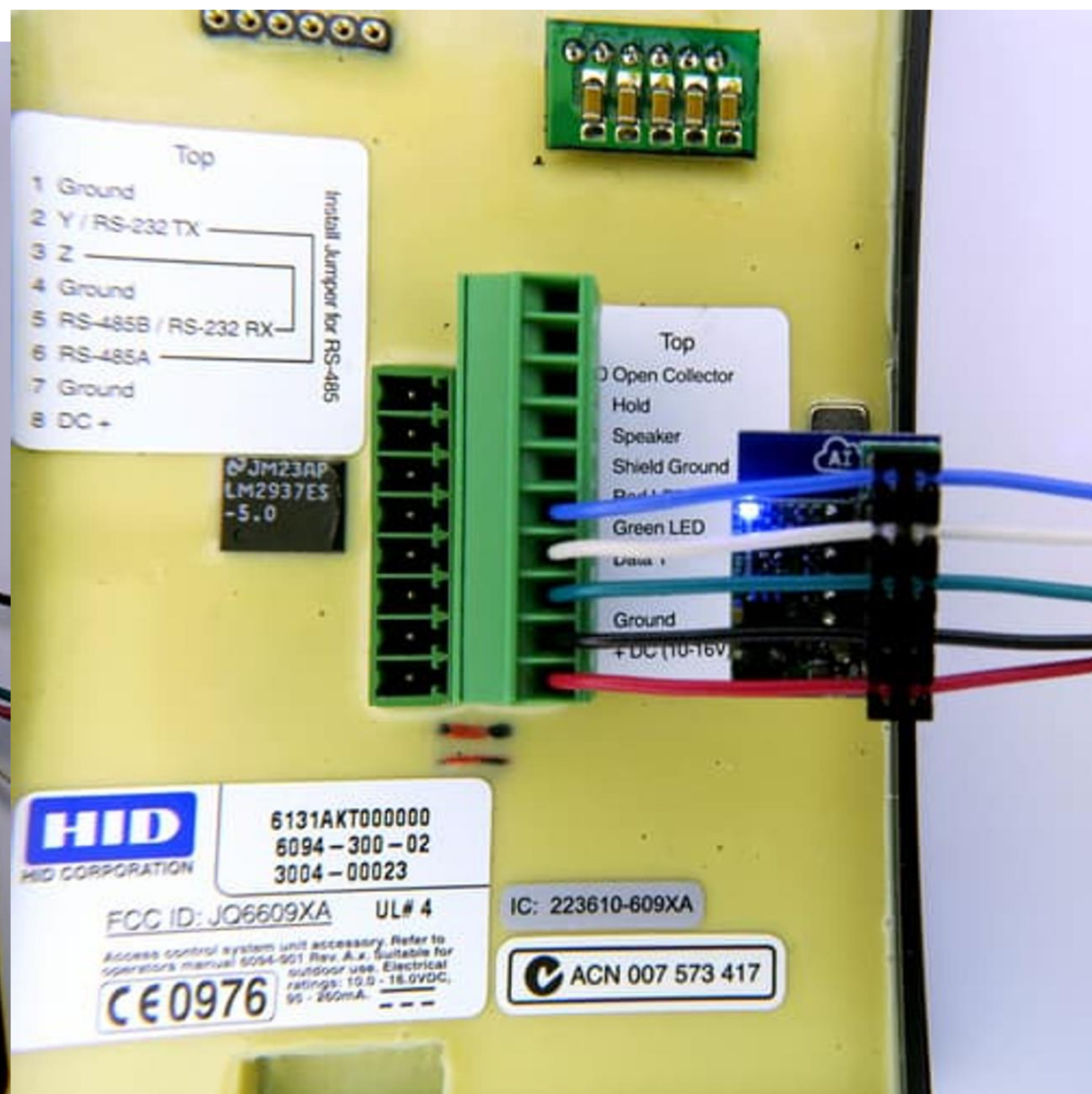
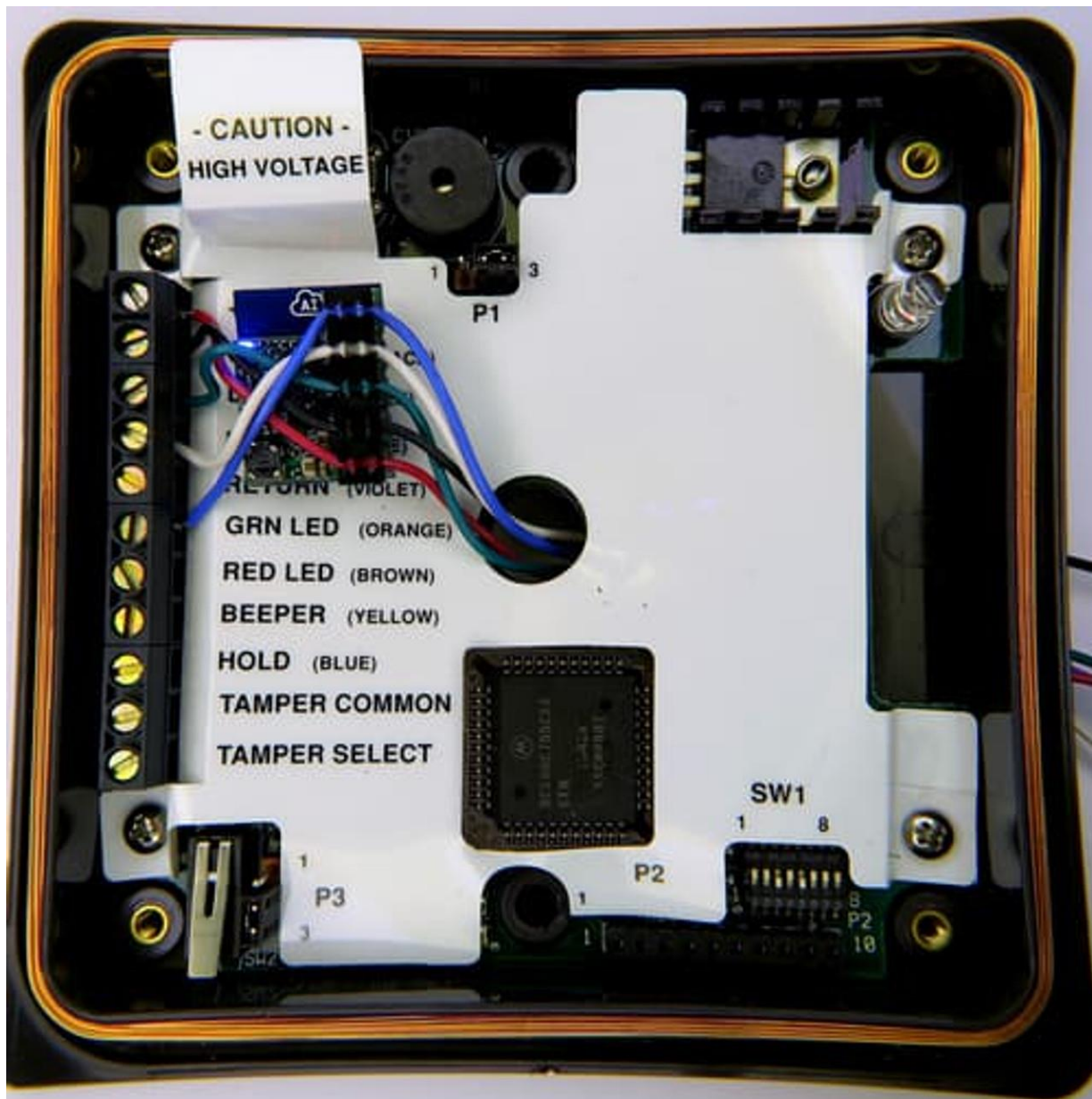










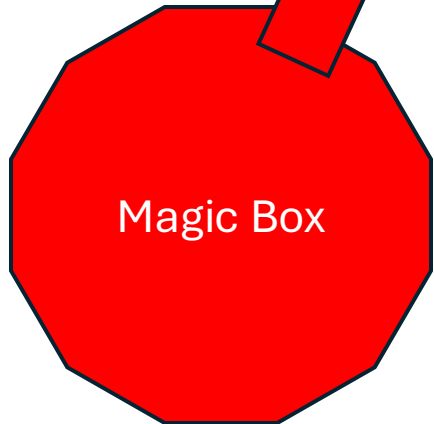




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Auth Check

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Magic Box

