

AUTOMATIC SANITIZER DISPENSER

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PROBLEM:

In a world where hygiene, health and safety are so vital especially during these unprecedented times it is crucial to stay safe to protect yourself and your loved ones. Sanitiser is proven to be effective when it comes to hygiene especially when concerning with Covid-19. It assists in slowing transmission with another person and is able to kill germs. Although washing your hands with water and soap is ideal, this option is not always available and in this case sanitiser is the perfect substitute that is almost as equally effective.

FACTS:

- Alcohol-based sanitisers are safe for everyone to use
- Alcohol-based sanitisers can be used by religions that prohibit alcohol
- Minimal contact and increases sanitation
- Easily accessible
- Durable
- Convenient



SOLUTION:

An alcohol based automatic sanitiser is the perfect solution to be able to implement in daily life to minimise the risk of Covid-19.

PURPOSE OF AN AUTOMATIC SANITISER DISPENSER:

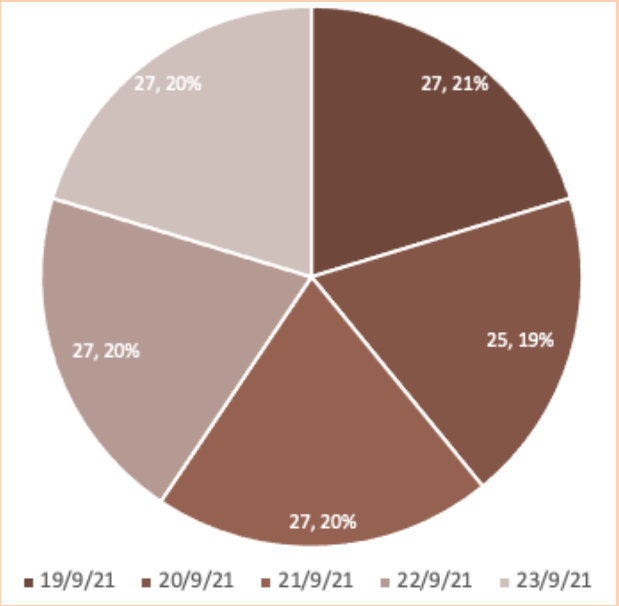
An automatic sanitiser dispenser will become your best friend given how easily accessible it will be when you just come home from work.



ULTRASONIC SENSOR:

The ultrasonic sensor is the type of sensor that is used to operate my automatic sanitiser dispenser and is what helps recognise motion which allows it to send signals to the servo motor to pull the pump down and release sanitiser

ULTRASONIC SENSOR RESULTS:



ETHICAL CONCERNS:

Please keep away from children and avoid them playing with the machine as it can cause damage to the machine and the child. Additionally, do not consume.

ETHICAL CONCERNS CONTINUED:

DO NOT leave anything in front of the sensor as it will recognise an object and continue to pump which will damage the machine and cause wastage and possibly even additional damage.

DISTANCE:

The automatic sanitiser dispenser made by me can recognise movement up to 7 centimetres making it highly convenient to use and avoid any wastage!!

DISTANCE (CM):

