

This is OK. How do you plan to integrate  
this product to an existing switch? Will this be a add on?  
How easy for someone to buy this and fix it at his home?

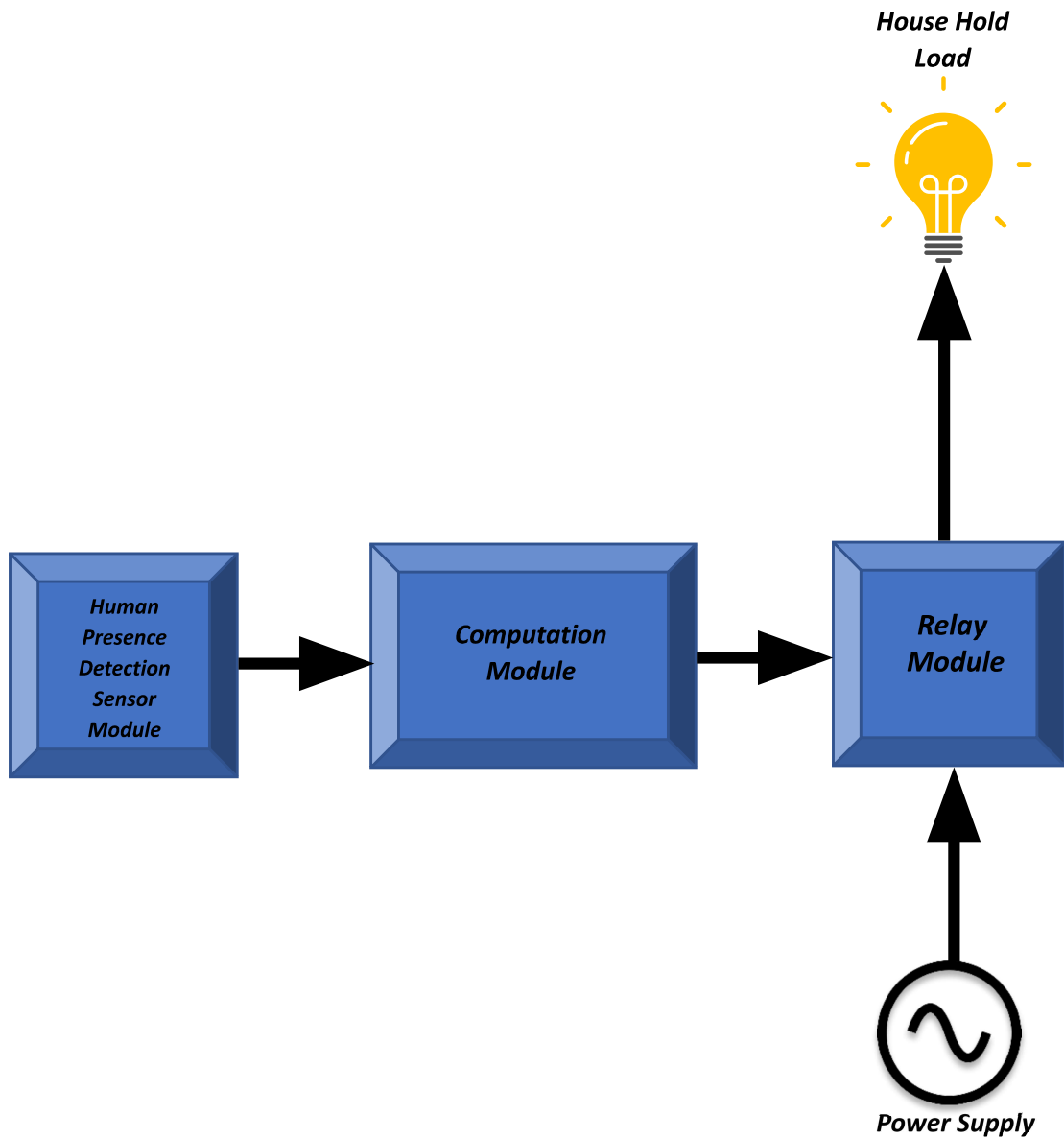
# Hands-Free Switch

210019E - A.ABITHAN

210024N - M.J.AHAMETH

210498T - V.PRIYANKAN

210629A - S.THAMIRAWARAN



## **Problem**

Have you ever been to a new place and experienced an inconvenience because you struggled to find the switches or bumped into a table or chair you didn't see in the dark because you had to walk past it to switch on the switches? Or have you ever forgotten to switch off the lights and fans when you leave your room or house for a holiday? This is exactly the problem we are trying to solve.

## **Solution**

By detecting the presence of humans in a room, our product can automatically switch on the lights or switch them off. This prevents the need for human intervention to power on/off as basically any electrical appliance. After hooking up our product to the required light and fans all you have to do is to just walk into a hall and all the lights will automatically power on and as soon as everyone walks out the lights will automatically power off.

Finding the correct switches in the middle of the myriad of switches in a concert hall or a big house is a nightmare. Connecting our human detecting switch to a certain cluster of appliances can take this burden out of the operator.

## **Justification**

It is better to provide the above-mentioned electronic product to solve this real-world problem. Without this electronic solution, it is really hard to solve the problem. This product is cost-effective and user-friendly, time-saving and each part can be repaired so that the e-waste can also be reduced.