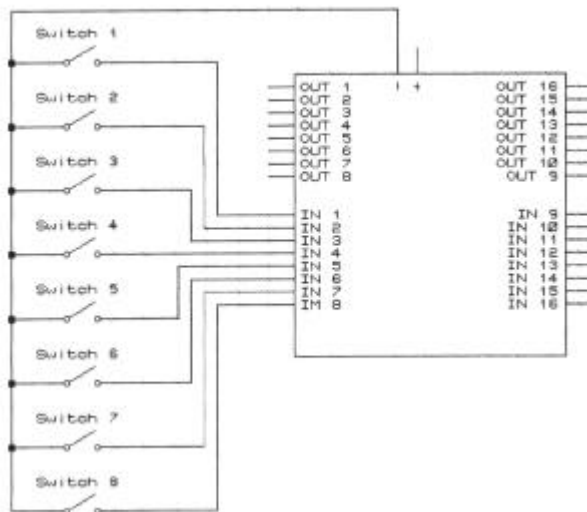# Combination Lock

Description

This application uses a number os switches to create a combination lock. Some switches will have to be operated while others will need to be open.

In the example given here 8 switches are catered for. Switches 1, 2 and 3 must be operated at the same time while the rest must be kept released.

Wiring Diagram

Notes

I have used a very simple combination here so that the operation is obvious. Switches which are not to be operated are defined with the command "WO1P".

Improvements

I have used 8 switches in this example. There is no reason why more can't be used.

If an input recognition time is added it will slow down operation thus making it more difficult to overcome bu brute force methods such as trying all combinations.

You could control more than one lock with different combinations by using the same technique with different outputs.