

Setting up a lighting system for users to switch on/off the light whether they are at the bottom or the top of the stairs.

- X0 turns ON when the bottom switch is turned to the right
- X1 turns ON when the top switch is turned to the right.
- If the states of the bottom switch and the top switch are the same, both ON or OFF, the light will be ON. If different, one is ON and the other is OFF, the light will be OFF.
- When the light is OFF, users can turn on the light by changing the state of either top switch at the bottom switch of the stairs. Likewise, when the light is ON, users can turn off the light by changing the state of one of the two switches..