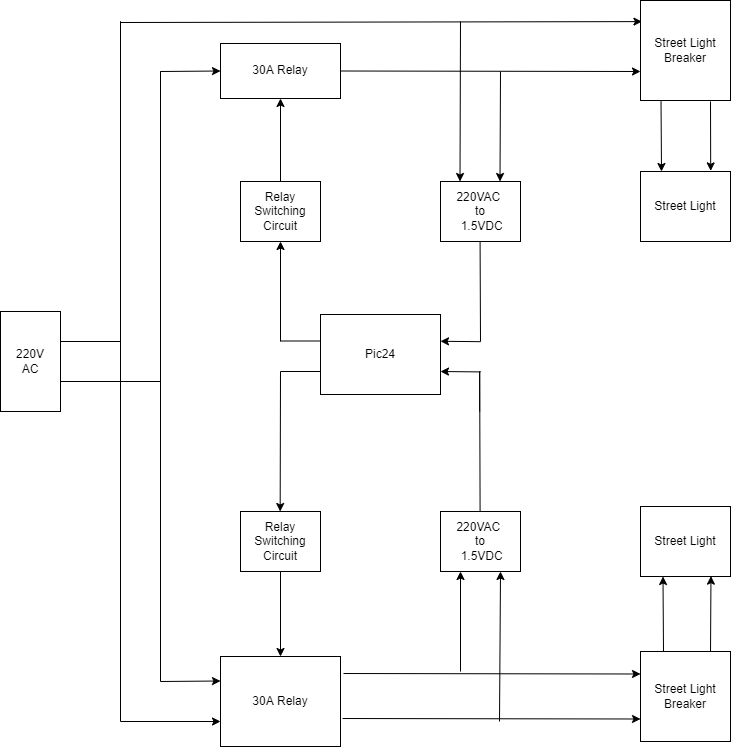
**Hardware Flow Diagram:**



**Software Flow Diagram:**

