**Smoke Detection System**

This FlowFuse (Node-RED) setup is designed for an automated smoke detection and response system using a smoke sensor connected via MQTT. When the smoke sensor (topic: devices/smokesensor622@) sends data, it is evaluated by a switch node. The switch checks if the smoke level exceeds a certain threshold (likely 300). If smoke is detected, it activates a relay to power on external devices (like a fan or exhaust), turns on a red LED to signal danger, and starts the exhaust system to clear smoke. If the smoke level is below the threshold (indicating no danger), the flow instead turns on a green LED to show the environment is safe and sends a "No Smoke" notification (possibly via email or dashboard alert). This flow ensures visual alerts, ventilation, and user notifications are all managed automatically for both safety and awareness.

**Key Points:**

* 🔧 **Smoke Sensor Input**: Receives real-time data via MQTT from topic devices/smokesensor622@.
* 🔀 **Switch Node**: Compares smoke value to a set threshold (e.g., 300).
* 🔴 **If Smoke Detected (Output 1)**:
  + Turns ON **relay** (to power exhaust/fan).
  + Activates **red LED** (danger indication).
  + Starts **exhaust system** (to remove smoke).
* 🟢 **If No Smoke (Output 2)**:
  + Turns ON **green LED** (safe condition).
  + Sends a **notification** (e.g., email or dashboard message saying “No Smoke”).