

This Node-RED flow diagram illustrates a basic flame detection and response system using a flame sensor labeled FlameSensor622@. The sensor continuously monitors for the presence of a flame and sends its output to a condition node for evaluation. Based on the sensor input, the system triggers different actions: if a flame is detected, it activates a buzzer for alert, displays a flame status, and sends a control signal to a fire suppression system (suppression/control). If no flame is detected, a notification labeled No Flame is sent. Additionally, a debug 2 node is connected to help monitor the sensor data in real time for troubleshooting or logging purposes. This flow demonstrates a simple yet effective IoT-based fire detection and response mechanism.