

IoT Controller Demo Set

- Smart Energy Management Showcase

System Overview

Main Components

No.1 IoT Controller (ACTA208)

- The "brain" of the system
- Processes sensor data and executes automation rules
- Controls 8 relay outputs (K1-K8)
- Connects to the network for remote access and work with AMS.

Sensors

- **No.3 Temperature & Humidity Sensor:** Monitors ambient conditions
- **No.4 AQI Sensor:** Measures air quality (CO₂, PM2.5, VOCs, etc.)
- **No.6 Lux Sensor:** Detects light intensity
- **No.8 Optional Sensors(B01.B07.B08.):** Rain sensor, presence detector, smoke sensor (simulate by button1,2,3)

Control Devices

- **No.2 Touchscreen Wall Switch:** Manual control interface
- **No.5 IR Blaster:** Controls IR-remote appliances
- **AMS Software:** Remote monitoring and configuration

Outputs

- **No.9 8x Circuit Indicators (K1-K8):** – show the status of each circuit. In real installations, they are not required; included only for demonstration purposes only. **Not Relays**
- **Virtual Relays (A25-A27):** Trigger IR commands

