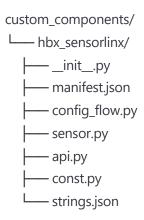
# **HBX SensorLinx Custom Integration for Home Assistant**

This custom integration allows you to connect your HBX Controls SensorLinx devices to Home Assistant, providing real-time monitoring of HVAC, solar thermal, and geothermal systems.

### Installation

#### **Method 1: Manual Installation**

- 1. Create a custom\_components directory in your Home Assistant configuration directory if it doesn't exist.
- 2. Create the following directory structure:



- 3. Copy all the provided files into the (hbx\_sensorlinx) directory.
- 4. Restart Home Assistant.

### **Method 2: Using HACS (Recommended)**

- 1. Add this repository to HACS as a custom repository.
- 2. Install the integration through HACS.
- 3. Restart Home Assistant.

## **Configuration**

- 1. Go to Settings → Devices & Services → Add Integration.
- 2. Search for "HBX SensorLinx" and select it.
- 3. Enter your configuration:
  - API Key: Your SensorLinx API key (FZ2KW6:7a295842-eb04-46b4-b9b5-fa69d5a18548)
  - Base URL: Usually (https://api.connect.sensorlinx.co) (default)
  - **Update Interval**: How often to poll for data (30 seconds default)

### **Supported Devices**

• WFS: Wi-Fi Flow & Temperature Sensor

WPS: Wi-Fi Pressure & Temperature Sensor

ZON-600: Zoning Controller

THM-0600: Boiler Controller

• ECO-0600: Geothermal Controller

SNO-0600: Snow Melt Controller

CPU-0600: CPU Controller

### **Supported Sensor Types**

• **Temperature**: Ambient, supply, return temperatures

• **Pressure**: System pressures

Flow Rate: Water/fluid flow rates

• **Energy**: Energy consumption

Power: Power consumption

Humidity: Relative humidity

Voltage: System voltages

Current: Electrical current

#### **Features**

• Real-time Monitoring: Automatically polls your SensorLinx devices

Device Auto-Discovery: Automatically discovers all connected devices

Proper Device Classes: Sensors are properly classified for Home Assistant

Error Handling: Robust error handling and logging

Configurable Update Intervals: Adjust polling frequency as needed

# **API Endpoints Used**

Based on the SensorLinx Connect API, this integration uses:

- (GET /devices) Get list of all devices
- GET /devices/{device\_id}/data Get current sensor data
- GET /devices/{device\_id}/history Get historical data

- (POST /devices/{device\_id}/control) Control device parameters
- (GET /system/status) Get system status

### **Troubleshooting**

- 1. **Connection Issues**: Verify your API key and network connectivity
- 2. No Devices Found: Check that your devices are properly connected to SensorLinx
- 3. **Sensor Data Not Updating**: Check the update interval and device status
- 4. **API Rate Limits**: Increase update intervals if hitting rate limits

### Logs

Enable debug logging by adding this to your configuration.yaml:

```
logger:
default: info
logs:
custom_components.hbx_sensorlinx: debug
```

## **Support**

For issues and support:

- Check the Home Assistant logs for error messages
- Verify your API key is valid and has proper permissions
- Ensure your SensorLinx devices are online and connected

### License

This integration is provided as-is for educational and personal use.