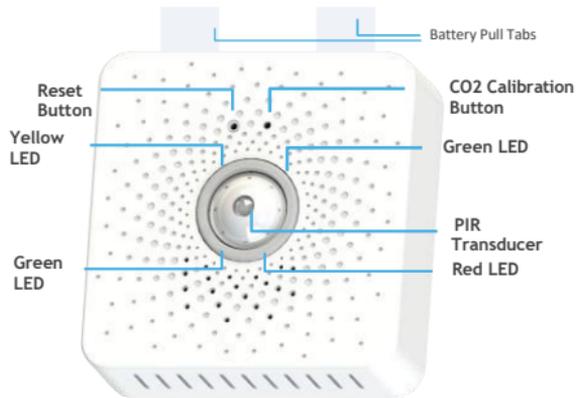


**Smart Room Sensor PIR & CO<sub>2</sub>**  
**Quick Start Guide**

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## Activating the Device

The device is shipped with the batteries installed and pull tabs on the positive terminals of the batteries. Removing the pull tabs will activate the device. There is no need to open the enclosure to activate the device.



1. Mount the Display in a secure and easily visible location
2. Mount the Sensor on a wall or ceiling using the brackets provided
3. Pull battery tabs from the Display and then the Sensor to activate
  - Yellow LED flashes while Sensor attempts to joinLoRaWAN network (can take up to 2 minutes).
  - Green LED flashes when Sensor connects to BLE Display
4. Sensor will begin collecting data to be viewed on the Display

### Note:

- Sensor and Display connect automatically upon activation
- Distance between Sensor and Display should not exceed 10 Meters for reliable connectivity

## Activation & Configuration

The diagram shows a green rectangular smart room sensor. The display screen shows the following information: **515ppm | 22.6C | 75.5%**. Below the main display, it shows **Sensor Battery 96%** and **Display Battery 95%**. Labels with lines pointing to the sensor indicate: **CO2 Level** (pointing to the ppm value), **Temperature** (pointing to the °C value), **Humidity** (pointing to the % value), **Sensor Battery** (pointing to the battery percentage), and **Tablet Display Battery** (pointing to the bottom of the device).

Sensing Feature	Range
CO <sub>2</sub>	0 ppm to 5000 ppm Outdoor air typically 400 ppm CO <sub>2</sub> threshold alarm: 1000 ppm
Temperature	0°C to 60°C
Relative Humidity	5% to 95%
Sensory Battery	1% to 100% Low battery alarm: 5%
Display Battery	1% to 100% Low battery alarm: 5%

The default data reporting periods are listed in Table 1. To make changes to the default data reporting periods, please refer to the knowledge base on the support portal at [support.tektelic.com](https://support.tektelic.com)

Table 1: Default Reporting Periods of the Smart Room Sensor CO<sub>2</sub>

Parameter	Default Reporting Periods	
	During Active School Hours	Outside of School Hours
CO <sub>2</sub>	Every 5 minutes	Every 1 hour
Temperature	Every 5 minutes	Every 1 hour
Relative Humidity	Every 5 minutes	Every 1 hour
Sensory Battery	Every 5 minutes	Every 1 hour
Display Battery	Every 5 minutes	Every 1 hour

Active Hours : 8am to 5pm Monday to Friday

Reports are sent to both the LoRaWAN Network and the Display

\*Motion Detection reported on LoRaWAN Network rather than the Display

## Troubleshooting

If the device remains blinking yellow for more than two minutes follow these troubleshooting actions:

- Ensure the device is provisioned on the Network Server
- Ensure the local LoRa Gateway has also been provisioned on the Network Server
- Ensure a local LoRa Gateway is online

**Note:**

If you have questions about using this device please visit the TEKTELIC Support Portal [support.tektelic.com](https://support.tektelic.com) for access to our knowledge base.