

# Tektelic sensor mounting guide

## 1. Preparations

Before starting the process of mounting the sensors, please make sure the gateway and access point are connected. You can find that manual here:

<https://support.flowscape.se/hc/en-us/articles/360014274320>

## 2. Physical Interfaces

Figure 1 illustrates the customer accessible interfaces for the Tektelic Sensor.

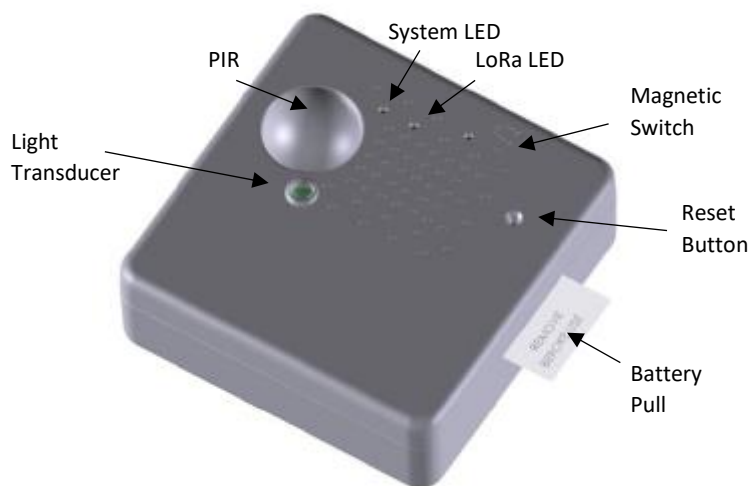


Figure 1.

### 3. Mounting Procedure

Follow these steps to mount and install the Tektelic Sensor

1. Turn on the sensor
  - a. Pull out the battery tab to engage the battery (see Battery Pull Tab in Figure 1)
  - b. Both LEDs will come on briefly when power is first applied.
2. Attach the supplied mounting bracket to the sensor\*
3. Add the adhesive tape to the bracket.
4. Dry target surface with a cloth to remove dust, dirt, and grease
5. Place sensor by removing the non-stick film on the back of the bracket and place it into position by pressing FIRMLY for 10 seconds (if adhesive tape is used)
  - a. After 10 seconds, the adhesive tape is strong enough to hold the sensor.

*\*When mounting on a vertical surface, ensure that the Sensor will not be orientated with the case retaining screws towards the ceiling. This could cause the Sensor to accidentally slip off the mount and fall. There are no orientation concerns when the Home Sensor is mounted to a horizontal surface.*

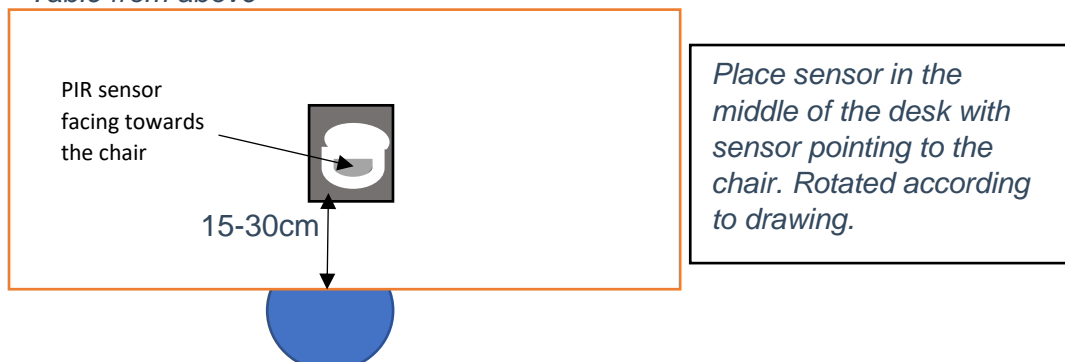
#### 3.1 Room Mounting

- Place sensors along walls at about 150-170 cm (60-70 inches) from floor
- Face away from door to avoid detecting people walking outside the room (Recommended to place on door frame)
- Face away from windows to avoid direct sunlight
- Target wood, plastic, or metal surfaces that are flat
- Avoid wall papers as they may break if sensor must be removed
- Avoid painted walls when using adhesive tape as modern paint is efficient in repelling adhesive tape

#### 3.2 Table Mounting

- Assemble under a tabletop approx. 15-30 cm from edge of table
  - 15 cm for sit-stand desks, 30 cm for normal desks
- Make sure it is possible to remove the sensor from the bracket after mounting.
- Make sure there is no bar blocking the sight of the PIR sensor
- See drawing below for how to place the sensor

*Table from above*



## 4. LED Behaviour

See Figure 1 for the location and identification of the sensor LEDs.

During the boot and join procedure:

- Both LEDs will come on briefly when power is first applied.
- After a small delay ( 1 second ) the LEDs will turn off and one of them will blink briefly.
  - o If the System LED blinks, then all health checks on the board passed.
  - o If the LoRa LED blinks, then one of the health checks failed. Consider replacing the battery, or moving the sensor to an environment within temperature range.
- Immediately after, the join procedure will begin. During the time the System LED will blink continuously until the sensor has joined a network.
- The LoRa LED will now blink whenever LoRa activity occurs on the sensor (transmitting or receiving packets)

During normal operation:

- The LoRa LED will blink whenever LoRa activity occurs on the sensor (transmitting or receiving packets)
- The System LED can be controlled via the downlink command interface.

## 5. Reset Button Function

There is a reset button on the device, that can be pushed by a pin, such as a paper clip (see Figure 1). The button should not be pushed hard. The reset is instant, i.e. the button does not need to be kept pushed. The reset restarts the microprocessor. All the FW load and configuration parameters in the Flash are remembered during the reset.