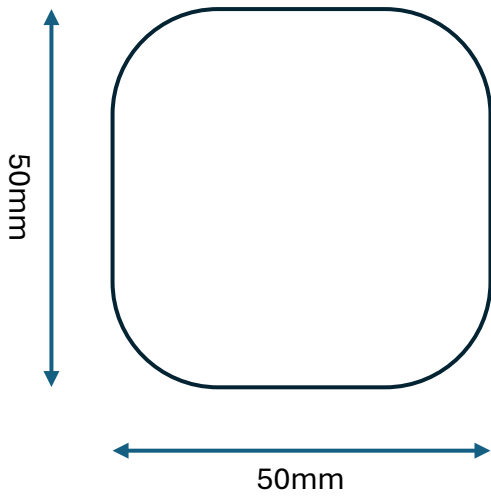
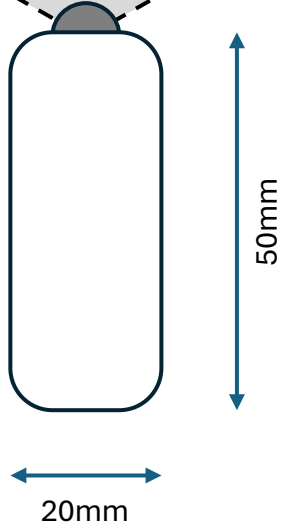


EverSmart™ Rodent PIR sensor field of vision and installation guidelines

- **Microshare EverSmart™ solutions** use an IoT sensor with a Passive Infra-Red (PIR) component which features a detection angle of 93 degrees when lying flat and 123 degrees when standing on its side.
- When deciding where to install the sensor, it's critical to ensure that the detection is correct for the intended use. You want to make certain that the PIR sensor will detect the movements you're after, but not the ones which might result from human or other objects passing in front of the lens.
 - For example, if the sensor is installed in a rodent baiting station for detection of animals inside the box, you need to be sure the sensor doesn't detect movements happening outside the box. It may not be possible to eliminate these non-rodent motions entirely, but optimizing your deployment from the start will provide the most accurate data possible.
- The **Field of Vision (FOV) templates** provided on the following page can be printed and cut out to verify correct detection based on the position and intended use. You can also use the templates to layer over photos of the proposed sensor installation locations to ensure correct detection as shown on page 3 of this guide
- These templates are also available for 3D printing from the following page: <https://www.printables.com/model/1017274-microshare-pir-sensor-angle-gauges/files>
- There is a full range of EverSmart Rodent startup videos available on the Microshare website: <https://www.microshare.io/eversmart-installation-and-startup-page/>
- Still not sure? Need help? Contact us at Microshare is here to help so contact us support@microshare.io



123°



93°



Examples of install checks in bait stations

