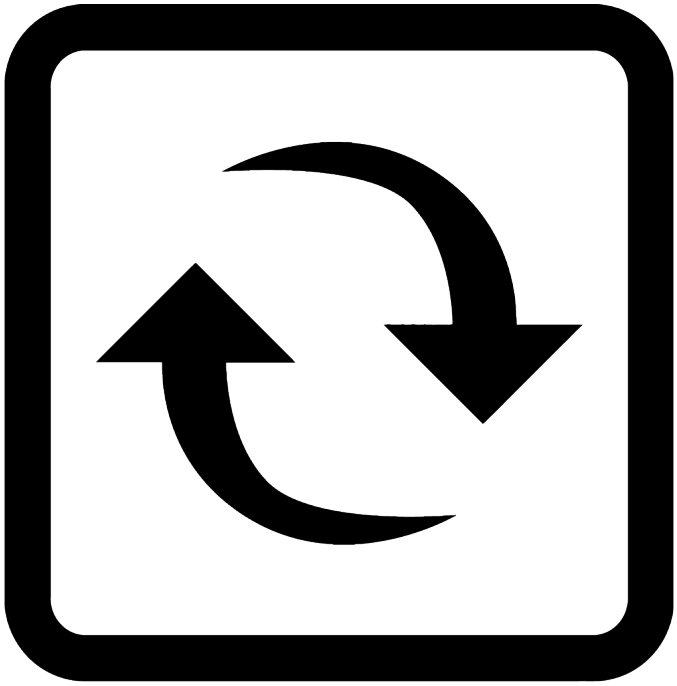
ENV-NOISE



INFRASENSING

Sensor Application Guide

I. Overview

Our ENV-NOISE sensor measures sound and noise levels in its environment.

This document aims to guide the user in installing our ENV-NOISE in your facilities and also to provide recommendations for sensor placement.

You may visit the sensor page through:
ENV-NOISE https://infrasensing.com/sensors/sensor_sound.asp

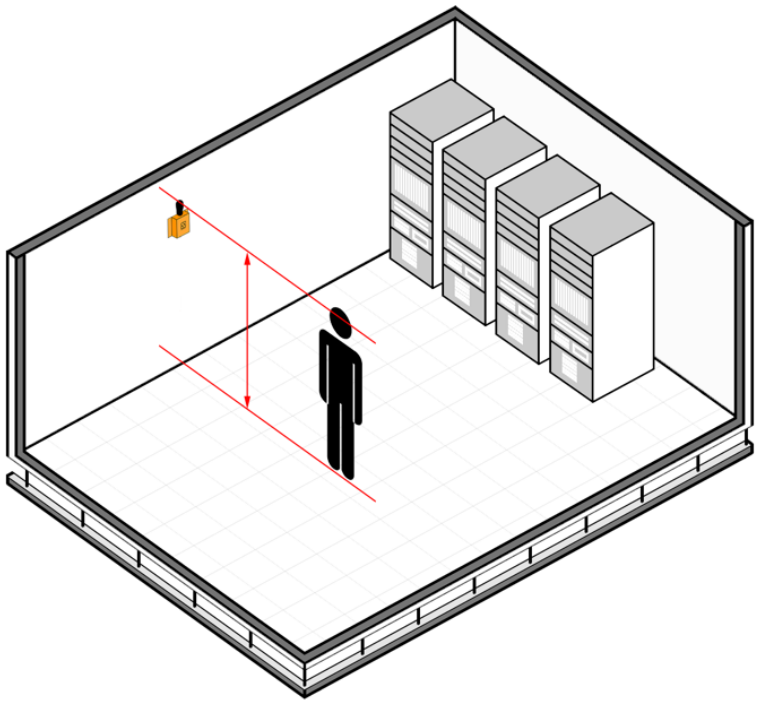
II. What you need

- Power source (PoE or 12V DC)
- BASE-WIRED
- LAN cable
- ENV-NOISE

III. Recommended sensor placement

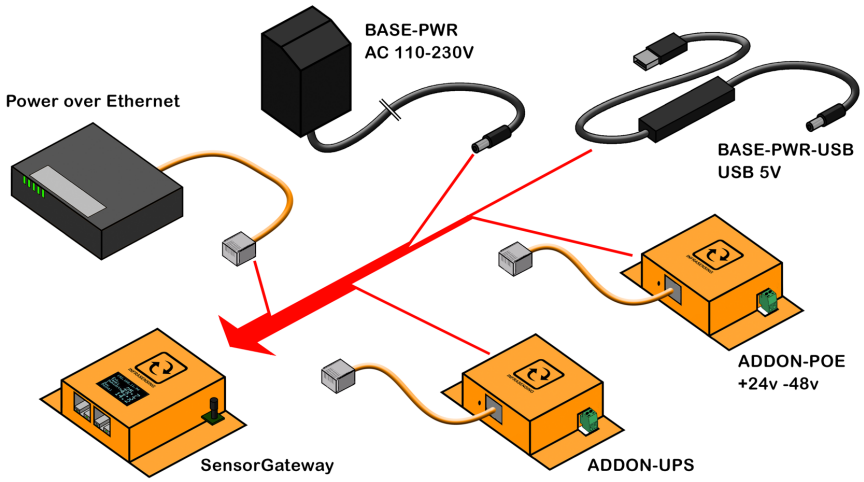
OSHA provides guidelines where noise level sensors should be mounted:

- Required when noise levels can exceed 85dB
- Should be placed at the head level of the worker's hearing zone at 20in /0.5m distance



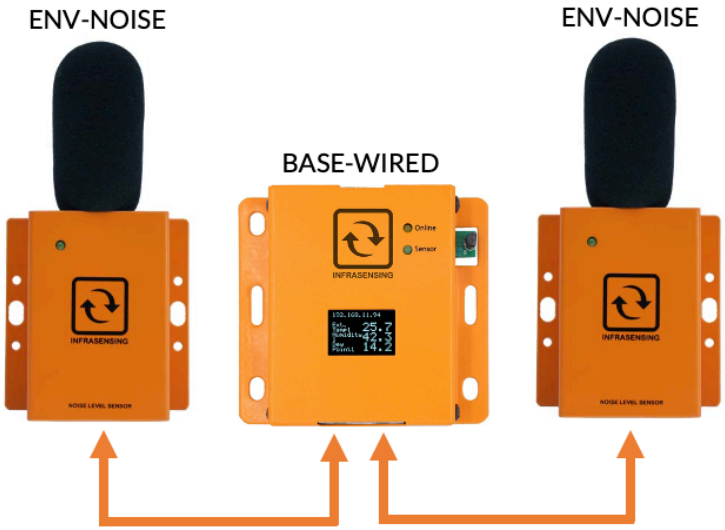
IV. Installation

1.1. Supply power to the BASE-WIRED via PoE(power over ethernet or 12V DC adapter/BASE-PWR) Other power options include BASE-PWR-USB, ADDON-POE, and ADDON-UPS.



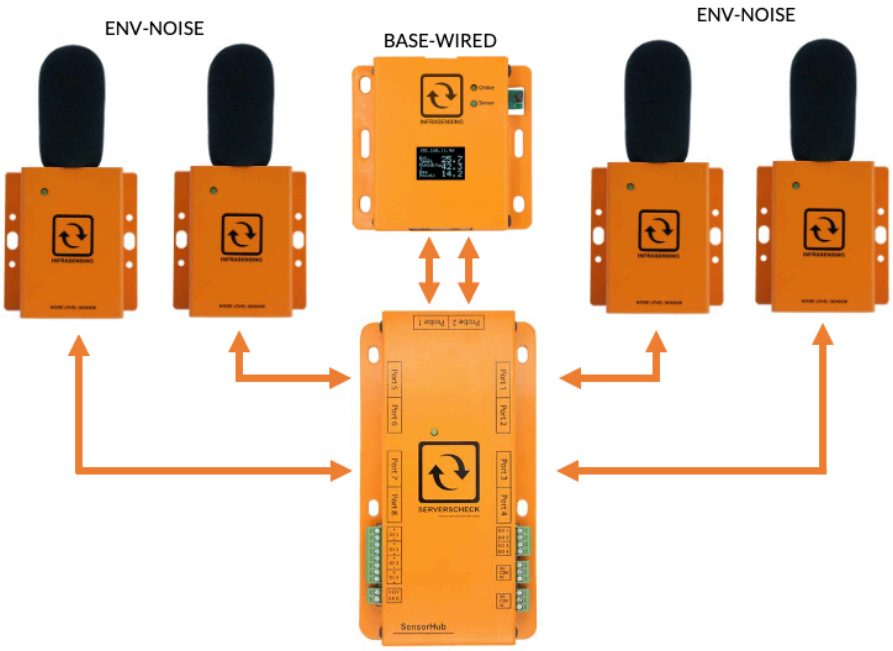
1.2. Connect the BASE-WIRED to the sensor probe.

- Via direct LAN connection



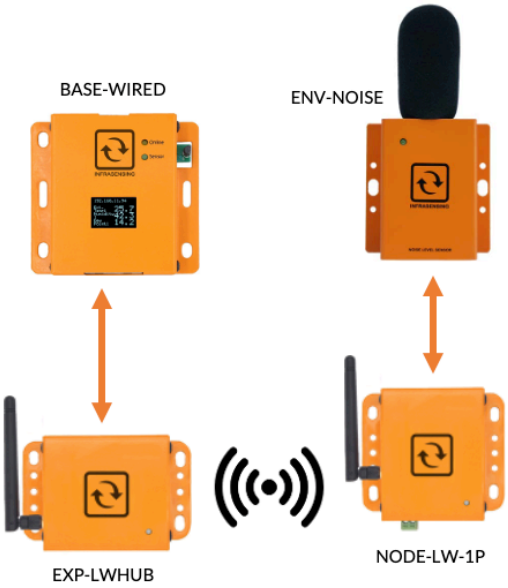
You can connect up to 2 sensor probes to the BASE-WIRED

- Via SensorHub(EXP-8HUB)



You can connect up to 8 sensor probes to the BASE-WIRED using the EXP-8HUB

- Via LoRa (EXP-LWHUB and NODE-LW-1P)



You can wirelessly connect your sensor probe to the BASE-WIRED, each LoRa hub can support up to 20 LoRa node. The LoRa Hub's power is supplied by the BASE-WIRED while the LoRa Node's power can be supplied by 12/24V DC or a USB-C type.