



S05 - MICROPNP MICROPHONE

PRODUCT DESCRIPTION

The MicroPnP™ Microphone (**S05**) provides alerts when loud noises are detected in the ambient environment. For example, a finger click at a distance of 1 meter from the sensor will trigger an alert.

The microphone consumes a significant amount of power and VersaSense therefore recommends the use of a power supply peripheral such as **Z01** if multi-year battery life is required.

MICROPNP PERIPHERALS

MicroPnP Peripherals are self-identifying sensors and actuators that connect to MicroPnP Wireless Devices to provide plug-and-play sensing and control.

The MicroPnP software automatically installs and configures all drivers, eliminating the cost and complexity of deploying an IoT network.

Note: only one peripheral of this type may be connected to a MicroPnP Wireless Device.

APPLICATIONS

Monitoring noise pollution, basic audio control, monitoring human or animal activity.

CORE COMPONENTS

The **S05** is based on the SPV0840LR5H-B from Knowles™ Electronics, for more information please visit:

[SPV0840LR5H-B.pdf](#)

S05 CHARACTERISTICS

| Characteristic | Value | Unit |
|--------------------------------|---|------|
| Avg. Current Consumption | 650 | μA |
| Optimal Frequency Response | 100-10k | Hz |
| Noise Detection Level | Approx. equivalent to a finger-click at 1 meter | |
| Min/Max period between updates | 10 / 86400 | s |

RELATED PRODUCTS

Item **S05** requires a MicroPnP Wireless Device such as **Pxx** or **Lxx**. This item is compatible with all items in the MicroPnP catalog:

versasense.com/files/VersaSense-Catalog.pdf

INFORMATION/SUPPORT

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