

packetSENSE Indoor TempHum with PIR

The **packetSENSE Indoor TempHum with PIR** is a compact, multi-functional LoRaWAN®-enabled device designed for comprehensive indoor environment monitoring. Despite its small form factor, it delivers powerful performance by accurately measuring and reporting temperature, humidity, light intensity, motion, vibration, and occupancy.

It can also detect the open or closed status of doors and windows, providing valuable insights for security and energy management. With battery status reporting and low-power operation, the device ensures reliable, long-term performance with minimal maintenance—making it ideal for smart homes, offices, and building automation systems.



Features

- **User-configurable** parameters and thresholds for flexible monitoring
- Optimized for **low power** consumption to extend battery life
- Multiple PIR masking options for **accurate motion detection**
- **Versatile mounting** — supports wall, ceiling, or tabletop installation
- **Easy deployment** with a sleek, unobtrusive design that fits any interior

Applications

- **Smart home** and office automation
- **Indoor environmental** monitoring
- Room and desk occupancy tracking
- **Facility** and space utilization management
- **Entry point** and movement detection
- **HVAC system** optimization and control

Technical Specification

Data Communication Supported

Technology	LoRaWAN®
Frequency	EU868/AS923-3
Tx Power	14 dBm

General Specification

Operational Temperature	0 °C to 60 °C (10 °C to 40 °C optimal)
Storage Temperature	-30 °C to 60 °C (0 °C to 30 °C optimal)
Size	42 x 42 x 26 mm (enclosure) 42 x 42 x 27 mm (with bracket)
Weight	28g

Electrical

Battery	CR2477
External Connector	Connector Type: JST A02ZR02ZR28H305B ≤ 20Hz (Pulse Reading) Driven by open drain/relay contact
Operational Temperature	60°C

PIR Detection Range (Wall Mount)

	Wall Mounted	Ceiling-mounted
X Angle	70°	70°
Y Angle	20°	84°
Height	5 m	3 m