

Installation & setup

NS-HPS / Millimetre-wave + infrared presence sensor



BEFORE YOU START

Product size: 80 mm

Ceiling cut-out: 65-75 mm

Supply: 110-220 V

Maximum lighting load: 500 W

Network: Zigbee / NETUS gateway

ELECTRICAL SAFETY

Installation and mains wiring must be carried out by a qualified electrician. Isolate the circuit and verify that it is de-energised before working. Confirm the site supply matches the rating on the actual device; the supplied specification states 110-220 V.

MOUNTING & CONNECTION

1 Choose the installation position

Select a ceiling position covering the intended occupied area. The stated detection radius is up to 3.2 m; verify coverage on site. Check for concealed wiring, pipes and other obstructions before cutting.

2 Prepare the ceiling opening

Make a 65-75 mm cut-out. Check the actual device depth, cable clearance and ceiling suitability before cutting. Ensure both spring clips can seat securely above the ceiling.

3 Connect the sensor and lighting circuit

With power isolated, follow the terminal markings and wiring diagram supplied with the actual unit. Keep the connected lighting load within 500 W. Check the lamp or driver load suitability before connection.

Terminal assignments are not provided in the available source material. Do not infer connections from the product image. Obtain the correct wiring diagram before energising.

4 Secure the sensor

Raise the spring clips, guide the unit into the opening and seat the face flush. Keep fingers clear of the clips and ensure no cables are trapped.

Commissioning & operation

Connect to a NETUS gateway, then verify presence and lighting behaviour.

PAIRING & FUNCTION TEST

5 Power on and add to the gateway

After checking the connections and securing the unit, restore power. In the app used with your NETUS gateway, start the add-device process. Put the sensor into pairing mode using the instructions supplied with the actual device.

The pairing button sequence, hold time and indicator pattern are not specified in the supplied information. Follow the device instructions; do not assume a reset sequence.

6 Verify sensing and lighting control

Confirm that the sensor appears online. Enter the area and check the presence status; then remain still at typical occupied positions. Leave the area and verify the vacant status after the configured delay. Confirm that the lighting responds as intended.

7 Set delays and automation

Where available in the gateway app, set the vacancy delay and relay switch-off delay. Configure presence-based lighting and an ambient-light condition if required. Test the complete sequence and adjust it to suit the room.

QUICK TROUBLESHOOTING

Sensor will not pair	Check power and NETUS gateway availability. Follow the device-specific pairing instructions and retry.
Presence status seems incorrect	Test several positions in the room. Check placement and nearby moving objects; review available sensing settings.
Light stays on or turns off late	Check vacancy and relay delays, automation rules and manual overrides in the gateway app.
Light does not switch	Check the automation conditions and relay command. Isolate power before an electrician checks the wiring and load.

Operating conditions: -10°C to +55°C; relative humidity ≤95% RH. Keep the unit dry. Isolate power before cleaning or servicing; clean the exterior with a soft, dry cloth.