

# Presence sensor

## NS-HPS / MILLIMETRE-WAVE + INFRARED

Ceiling-mounted presence detection with Zigbee and lighting control.



### DUAL-MODE DETECTION

24 GHz radar and infrared sensing for human presence detection.

### BUILT-IN LIGHTING RELAY

Presence and ambient-light sensing for connected lighting automation.

#### 24 GHz RADAR

Camera-free presence sensing

#### UP TO 3.2 m

Detection radius

#### AMBIENT LIGHT

Real-time illuminance sensing

## TECHNICAL SPECIFICATIONS

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| Model / mounting       | NS-HPS / ceiling-mounted                                                 |
| Power supply           | 110-220 V                                                                |
| Wireless communication | Zigbee                                                                   |
| Sensing technology     | 24 GHz millimetre-wave radar + infrared                                  |
| Detection / response   | Up to 3.2 m radius; approx. 0.5 s from vacant to occupied                |
| Illuminance range      | 0-65,535 lux                                                             |
| Radar transmit power   | ≤10 dBm (10 mW)                                                          |
| Built-in relay         | Up to 500 W lighting load                                                |
| Operating conditions   | -10°C to +55°C; relative humidity ≤95% RH                                |
| Control features       | Smart device linkage; adjustable vacancy delay; relay delayed switch-off |

## SIZE & INSTALLATION

Product size: 80 mm  
Ceiling cut-out: 65-75 mm  
Recessed ceiling mounting with spring clips.

## SYSTEM CONNECTION

Zigbee communication for smart linkage with lighting and other connected devices.  
Use a NETUS gateway for networked functions.