

## CEILING-MOUNTED ENOCEAN PRESENCE DETECTOR

The presence detector detects the movements (the presence) of individuals and is fully part of the radio system developed by TRIO2SYS. The radio transmission radio is carried out on the 868.3 Mhz frequency which is harmonized in the European continent.

No maintenance operation is required thanks to the solar cell which supplies the device with electrical power. The energy stored in the internal charger guarantees a full service during several days even in pitch darkness.

This device particularly suits electrical installations where building in is not advised such as: refurbishment, electrical retrofitting of residential buildings or offices with mobile walls.

This detector features a constantly active PIR sensor.

If a movement is detected, a radio signal is immediately sent to inform about the occupancy. A 2-minute-long timer is then activated (no signal will be sent before the timer has expired). At the end of the 2 minutes, 2 events can occur:

- a) An occupancy is detected then the device sends a signal. A new timer starts.
- b) No occupancy is detected, the device sends two signals to inform about the absence of individuals: the first occurs 10 minutes and the second 30 minutes after the latest occupancy signal. If a movement is detected during this period of time, an occupancy signal is immediately sent.

Delivered as complete ready to fit unit.



### CODE 10020051 CEILING-MOUNTED ENOCEAN PRESENCE DETECTOR

#### SPECIFICATIONS

Antenna / transmission range	Internal helix / 300m in open areas, about 30m inside (according to the configuration)
Power supply	Solar cell (50-200 lux) Optional: - battery-assisted (type CR2032) - external supply (DC 3-5V)
Frequency	868.3MHz
Minimum loading time	20 minutes (>500lux) or 5 min in a well-lit room when battery assisted
Full loading time	9h at 200lux
Operational working time in pitch darkness	48h (with a full energy load)
Detection range	12m of diameter
Mounting height	2 to 3m (advised)
Autonomy of the battery-assistance	
- standard luminosity	15 years (200 lux during 2h/day, 5 days /week)
- low luminosity	10 years (50 lux during 5h/ day, 7 days /week)
- pitch darkness	5 years
EnOcean Equipment Profiles	A5-07-01
Operational working environment	-10° to 40°C, 20 to 95% of humidity
Dimensions and weight	160x60x37mm / 125g