

01527.2

The motion and presence detector 01527.2 must only be installed inside the building and it enables the management of lighting systems depending on brightness and/or movement and static presence. It also enables light control, constant lighting function, temperature control function, logic functions and scenario functions. It supports the KNX Secure protocol.

The device is KNX Data Secure and is equipped with a dedicated QR code to be used with ETS (version 5.5 and later) during configuration. Not being equipped with an anti-tamper device, the detector must not be used within an intrusion detection alarm system.

FEATURES.

- Supply voltage: 30 VDC SELV BUS
- Absorption: < 4 mA a 30 VDC
- Auxiliary supply voltage: 12 ÷ 30 VDC SELV
- Auxiliary absorption: < 20 mA a 30 VDC
- Brightness: 0 ÷ 2000 Lux
- Microwave: 24GHz-24.25 GHz at 7.7 dbm
- Operating temperature: 0 ÷ 40 °C
- Relative humidity: 20 ÷ 90 %
- Dimensions: Ø 65 mm x 38 mm
- Weight: 50 g
- Configuration from ETS software.

CONNECTIONS.

The connection to the bus and to the auxiliary power supply is via KNX standard terminals on the back of the device. Auxiliary power supply is always necessary for device 01527.2.

OPERATION.

- Static presence and motion detection
- Sensitivity configurable with day/night adjustment
- Master/slave operating mode
- Up to 4 presence control channels, with first channel equipped with 3-level control
- Automatic mode and semi-automatic mode
- Internal brightness sensor, light control via brightness threshold and logic control also with presence signal
- Individual presence control telegrams according to day/night
- Integrated temperature and humidity sensor
- Constant lighting control
- HVAC (Heating, Ventilation, Air-Conditioning)
- Temperature control object
- Logic functions and groups of scenes functions
- KNX Secure

CONFIGURATION.

Device and related parameter configuration occurs using the ETS software (minimum version for configuration ETS 5). To launch the configuration of the device and assign the physical address, press the configuration push button; the red LED will be permanently lit throughout the entire operation. After the configuration phase (or after changing parameters) and every time it is switched on, the detector performs an initial calibration phase lasting 20 s at the end of which it becomes operational; during this phase, detection may not be precise.

All the updated ETS databases can be downloaded from the "Software" section of the www.vimar.com website.



INSTALLATION RULES.

- Installation and configuration must be carried out by qualified persons in compliance with the current regulations regarding the installation of electrical equipment in the country where the products are installed.
- Cut off the mains voltage before performing installation
- The detector installed in the ceiling and its full functionality also depends on its height of installation (B)
- The detector can be installed in both ceilings and false ceilings, using the adaptor art. 01529.2.S
- Since the detector is equipped with high-sensitivity lens systems and sensors, take care:
 - not to cover or put stickers on the lenses (not even partially) because this would alter the correct operation of the device;
 - not to clean the detector with corrosive or aggressive detergents.

IMPORTANT: Work on the 230 V mains must be performed solely by skilled personnel.

REGULATORY COMPLIANCE.

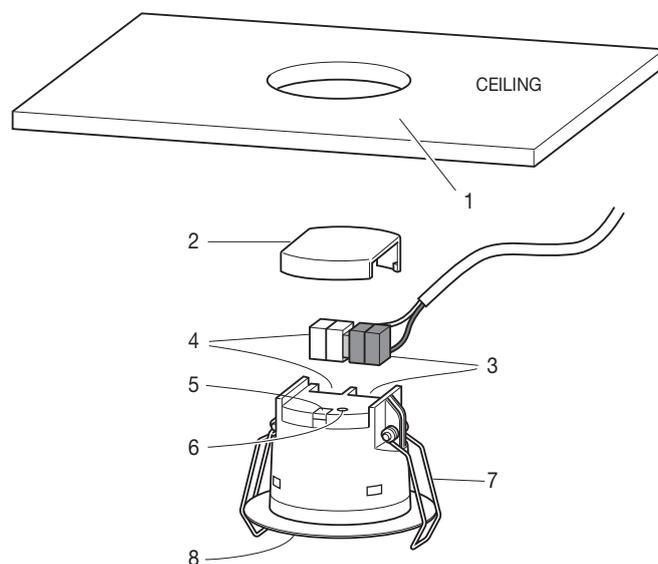
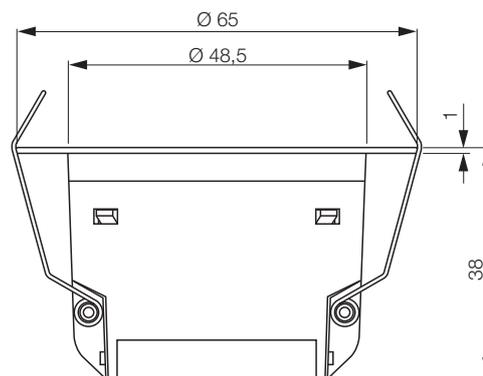
RED Directive, RoHS directive.

Standards EN 60669-2-1, EN 50491, EN IEC 63044, EN 300-440, EN 301 489-3, EN 62479, EN IEC 63000.

Vimar SpA declares that the radio equipment complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is on the product sheet available on the following website: www.vimar.com

REACH (EU) Regulation no. 1907/2006 – Art.33. The product may contain traces of lead.

THE DETECTOR AND ITS INSTALLATION



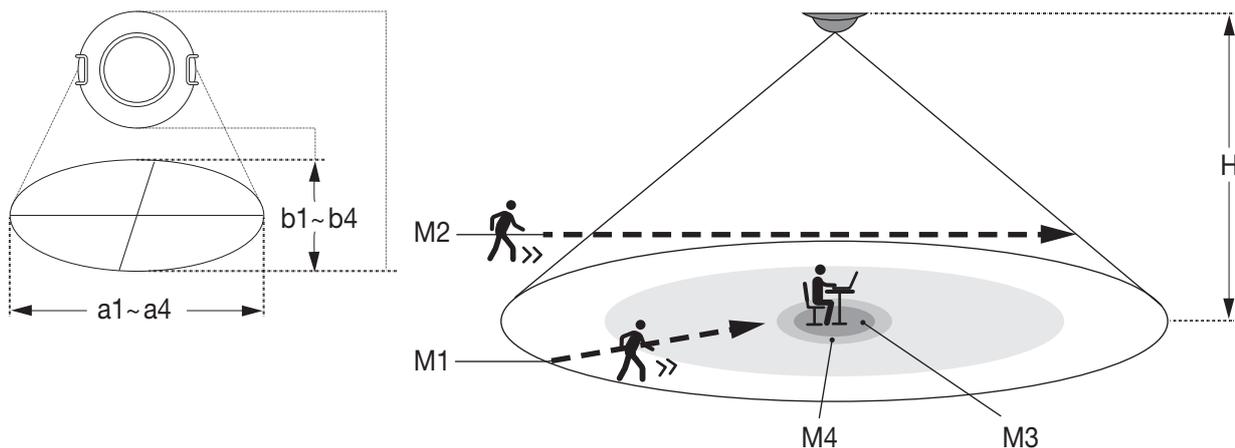
1. Installation slot (Ø 53 mm-55 mm)
2. Protective cover
3. KNX bus line connection terminals
4. Auxiliary line connection terminals
5. Configuration push button
6. Configuration LED
7. Installation springs
8. Sensor cover



WEEE - User information

The crossed out bin symbol indicates that the product must be sent to separate collection facilities for recovery and recycling, in compliance with the national laws of EU Countries that implement the WEEE Directive. The objective is to prevent any harmful effects on the environment and on human health by ensuring that products are disposed of correctly, avoiding illegal disposal sanctioned by law. To dispose of the product correctly, please check local dispositions in your country.

INSTALLATION



H	M1		M2		M3		M4	
	a1	b1	a2	b2	a3	b3	a4	b4
2.5	6	5	7	5.5	6.5	5	6.5	6
3	7	6.5	8	7.5	7.5	6	8	6
4	8.5	7.5	8.3	8.5	8.5	7.5	8.5	7.5

For an installation height of 3 m:

Sensitivity	S1	S2	S3	S4
Minimum	2.8	2.5	3.5	4.5
Low	3.5	3	4	5.2
Medium	5	4	5	6.5
High	6	5	6	7
Maximum	7	6	7.5	8

The tables illustrate the maximum range of the different areas depending on the installation height (H) or sensitivity (unit of measurement: metres); the parameters are:

a: diameter greater than the detection area;

b: diameter smaller than the detection area;

M1: walking directly towards the sensor;

M2: walking across the sensor's field;

M3: small movement;

M4: static presence;

S1: slow walk, 0.3 m/s;

S2: fast walk, 1.0 m/s.

Parameters a and b correspond to the direction of installation of the sensor.

For further information please consult the installer manual which can be downloaded from the detector product datasheet on www.vimar.com