NEVE UP

09179

Connected radar sensor

Thanks to UWB (radar ultra wide band) ultra-low power technology, the sensor is capable of detecting presence with the utmost precision. The device is fitted with an input for external wired contact which can be configured to control the activation of the relay or to activate the scenarios in the View Wireless system. The front push button starts the configuration with the View Wireless App and the LED signals the status of the relay. The device features the "gesture" function which activates a scenario or forces the relay, activating the "Dusk/dawn light" function. The prolonged presence in the detection area may trigger the sending of a notification and/or the activation of the relay.

TWO OPERATING MODES (ALTERNATIVE)

Stand alone • View Wireless System

Download the View Wireless App from the stores onto the tablet/smartphone you will be using for configuration.

Depending on the mode you select, you will need:

Stand alone	View Wireless System
Nothing else	Gateway art. 09597
	View App for management via smartphone/tablet

When the device is powered for the first configuration, we recommend you search for any new firmware and perform the update.

Create your Installer account on MyVimar (on-line).

STAND ALONE CONFIGURATION

1. Wire all the radar sensors.
2. Start the View Wireless App and log in with the credentials you just created.
3. Create the system and the environments.
4. Associate all the sensors with the environments.
   To associate the radar sensor:
   - Select "Add" ( ), choose the environment to place it and give it a name
   - Select ; activate the Bluetooth connection on your tablet/smartphone and approach the radar sensor
   - Press the front push button to start the Configuration phase
5. For every device, set the function, the parameters and any accessory devices (wired or radio control and related function and groups).

CONFIGURATION IN THE VIEW WIRELESS SYSTEM Bluetooth®

1. Wire all the devices in the system (radar sensors, 2-way switches, thermostats, gateway, etc.).
2. Start the View Wireless App and log in with the credentials you just created.
3. Create the system and the environments.
4. Associate all the devices with the environments, except for the gateway (which should be associated last).
   To associate the radar sensor:
   - Select "Add" ( ), choose the environment to place it and give it a name
   - Select ; activate the Bluetooth connection on your tablet/smartphone and approach the radar sensor
   - Press the front push button to start the Configuration phase
5. For every device, set the function, the parameters and any accessory devices (wired or radio control and related function and groups).
6. Transfer the configuration of the devices to the gateway and connect it to the Wi-Fi network.
7. Transfer the system to the Administrator user (who must have created his/her profile on MyVimar).

For details please refer to the View Wireless App manual you can download from www.vimar.com ➡ DOWNLOAD ➡ View Wireless MOBILE ➡ App

Summary of LED signals

- During normal operation (default colours):

LED	Meaning
On Colours and brightness can be customised using the View Wireless App	Relay active
Off	Relay not active
Flashing white	Manual forcing (Relay active without timer activated/ deactivated with front push button pressing)
Flashing Red	Masking signalled if set in crowding function

- In the configuration phase:

LED	Meaning
Flashing blue (for max 2 min.)	Pending receipt of a fw update
1 green flash	Connection established with View Wireless
Blue permanently lit	Device associated via Bluetooth with the smartphone
1 white flash	Device reset

RESETTING THE DEVICE.

The reset restores the factory settings. Within the first 5 minutes from powering, press the front push button for 30 s until the white LED flashes.

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.
- The device must be installed in flush mounting boxes or surface mounting boxes with Neve Up a mounting frames and cover plates.
- Installation must be carried out in mounting boxes with a depth of at least 48 mm.
- Installation must be carried out with the system switched off.
- The OUT terminals are separated by double insulation from the L-N-P terminals. Do not connect a mains voltage circuit to the OUT terminals; these terminals can be connected to SELV and ELV circuits according to the characteristics stated.
- Connect a double insulated cable or a reinforced cable type 01840.E to the OUT terminals.
- The power supply circuit must be protected against overloads by installing a device, fuse or automatic 1-way switch, with a rated current not exceeding 10 A.
- The device may only be used for indoor applications.
- Metal objects in front of the detector tend to alter its operation. Avoid installations where metal surfaces are present in the first metre of the radar's field of detection.
- The technology used is capable of detecting presence even through certain types of material (for instance plasterboard, thin walls, fabric and wood), so suitable installation in the room is necessary, as is the appropriate configuration of the maximum detection range.
- Do not install on partitions or walls subjected to shock and vibration.
- Installation recommended at a minimum height of 1 m from floor level; if the crowding function is used, installation is recommended at 1.5 m or more using the Vimar external mounting frame.
- Do not cover the detection range of the detector.
- Install the device at a distance of more than 2 m from any Wi-Fi 6E antennae.
- After the configuration phase (or after changing parameters) and every time it is switched on, the detector performs an initial calibration phase lasting 45 s at the end of which it becomes operational; during this phase, detection may not be precise.

Caution: The device is not suitable for detecting the presence of sleeping people.

CHARACTERISTICS:

- Rated supply voltage: 100-240 V~, 50/60 Hz.
- Max. power absorption from the mains: 1.1 W
- Output contact: 24 VAC or 30 VDC, 400 mA max (SELV and ELV), not suitable for controlling electrical locks
- Bluetooth technology:
  - RF transmission power: < 100 mW (20 dBm)
  - Frequency range: 2400-2483.5 MHz
- UWB radar:
  - RF transmission power: < 1mW (0 dBm)
  - Frequency range: 7.3÷8.5 GHz
- Room brightness sensor for dusk/dawn light function (4 thresholds selected via App)
- Terminals:
  - 2 terminals (L and N) for line and neutral
  - 1 terminal (P) for connection to the remote wired control (for instance push button art. 09008) or for DND signalling via bipolar 1-way switch 09015+ 09026.DND+ 00936.250.X in the case of "relay change-over" with landing reader 09462. The max distance between the IoT device and the push button is 50 m with a cable with a minimum cross-section of 1.5 mm^2.
  - 2 terminals (OUT) for the potential-free signal relay output for SELV and ELV circuits
- Front push button for configuration/reset and for manual forcing (in configurations in which this mode is allowed).
- RGB LED indicating the output status (which can be set from the View Wireless App) and the configuration status
- Operating temperature: -10 ÷ +40 °C (indoor)
- Protection degree: IP20
- Configuration via View Wireless App for View Wireless system in Bluetooth technology
- Controllable via View App

09179 01 2310

VIMAR
Viale Vicenza 14
36063 Marostica VI - Italy
www.vimar.com

OPERATION

Operation, and therefore the management of the relay, widgets and notifications displayed by the View App are connected to the setting assigned to the parameters during the configuration phase.

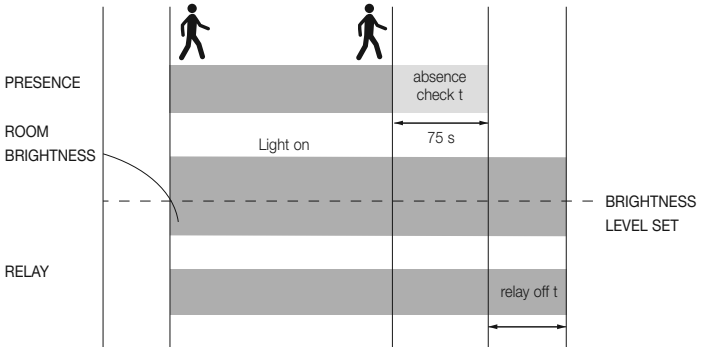
Presence function

The presence in the detection area is signalled in the View App for the full duration plus the absence check time (75 s). At the end of this time, the relay is deactivated with a delay that can be set between 1 s and 16 hours. The check time is 10 s if the maximum detection range is less than 1 m.

Dusk/dawn light function

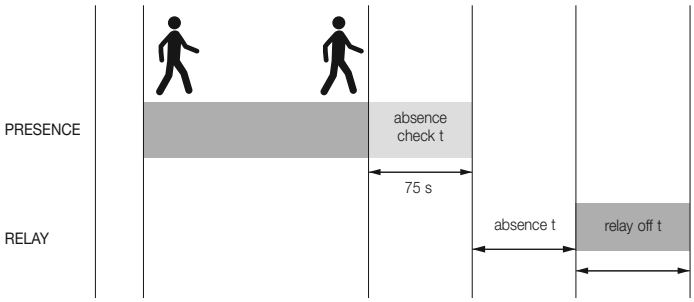
Activates the relay output if the room brightness detected is below the brightness level set in the View Wireless App and a presence is detected at the same time. After the output has been activated, the device no longer compares the room brightness level with the brightness threshold set, but only checks the presence inside the detection area.

Using the light aggregator of the View App and/or the external button and/or with the "gesture" function (if configured as device control), the relay activation can also be forced even if the room brightness exceeds the threshold set and/or force the output to be turned off for 10 s to perform a new comparison of the room brightness with the threshold set.



Absence function

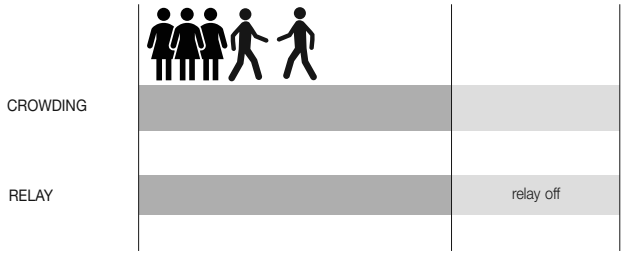
Designed, after each presence detected by the device event, to activate a sequence of operations comprising an absence check in the detection area for a set amount of time (absence t) followed by a time during which the relay output is enabled (relay off t). If a presence is detected in the detection area during the running of the sequence, the latter is interrupted. Each sequence is independent from the previous sequence.



Crowding function

The sensor is designed to signal when the detection area is crowded; the level of crowding can be set in the View Wireless App. When crowding is detected, the relay on board the device closes and only reopens at the end of the crowding condition. If a person or an object is less than 1 m from the sensor, masking the detection area, the LED on board the device flashes red and the system retains the previous status. The status of the crowding presence and condition can be displayed on the View App.

The crowding condition depends on several factors, including the type of environment (shape of the room, objects inside the room, etc.), the use of the environment (people standing up, sitting down, walking around, proximity between people and their position with respect to the sensor), positioning of the sensor itself and so the latter should be configured appropriately.



Detection angle

The device detects the presence inside an area which can be set in the range of 0.5÷7 m, with an opening angle of 90° (see figures 1, 2 and 3).

REGULATORY COMPLIANCE.1

RED Directive. RoHS directive.

Standards EN IEC 60669-2-1, EN 302 065-1, EN 302 065-2, EN 301 489-1, EN 301 489-33, EN 301 489-17, EN 300 328, EN 62311, 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.

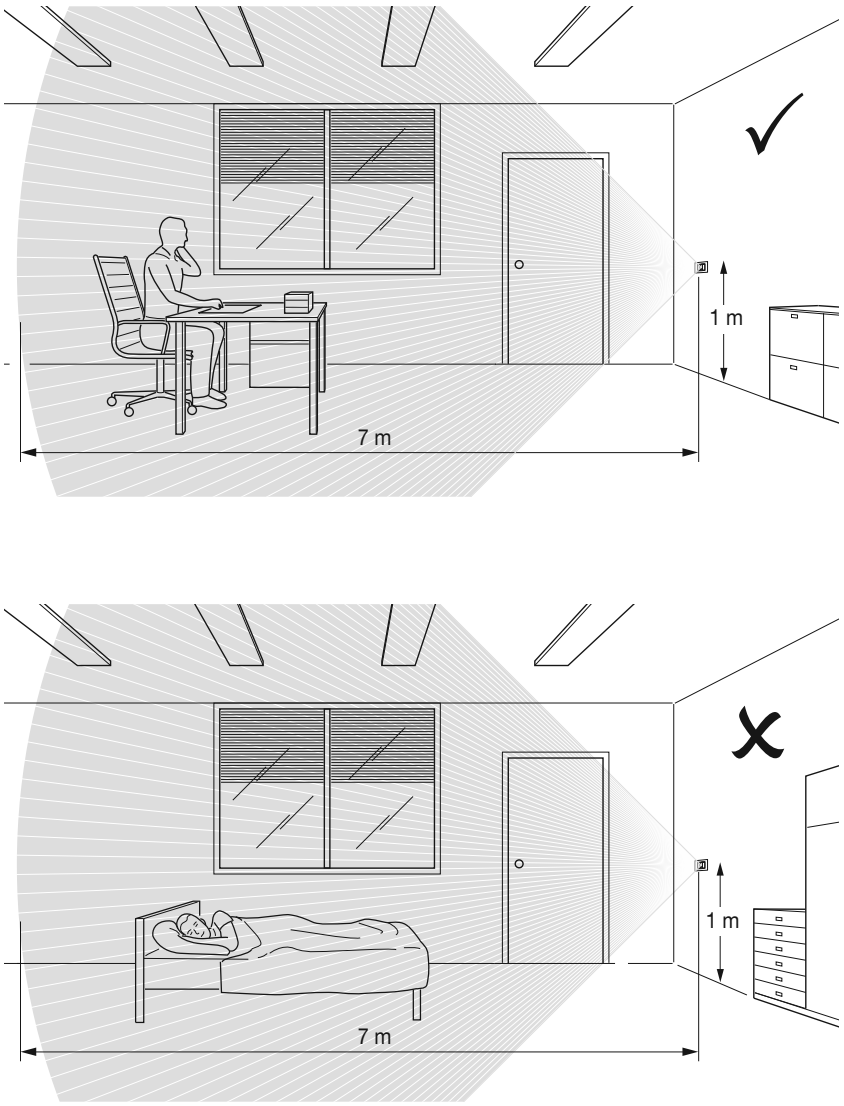
WEEE - User information

The crossed bin symbol on the appliance or on its packaging indicates that the product at the end of its life must be collected separately from other waste. The user must therefore hand the equipment at the end of its life cycle over to the appropriate municipal centres for the differentiated collection of electrical and electronic waste. As an alternative to independent management, you can deliver the equipment you want to dispose of free of charge to the distributor when purchasing a new appliance of an equivalent type. You can also deliver electronic products to be disposed of that are smaller than 25 cm for free, with no obligation to purchase, to electronics distributors with a sales area of at least 400 m². Proper sorted waste collection for subsequent recycling, processing and environmentally conscious disposal of the old equipment helps to prevent any possible negative impact on the environment and human health while promoting the practice of reusing and/or recycling materials used in manufacture.

09179 01 2310

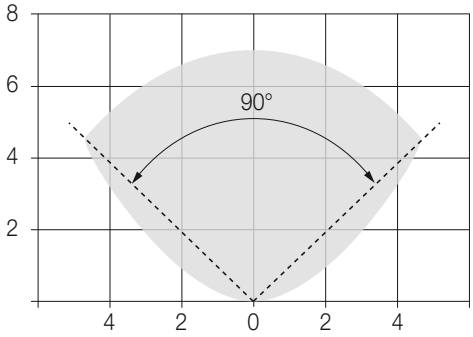
Viale Vicenza 14
36063 Marostica VI - Italy
www.vimar.com

DETECTION AREA

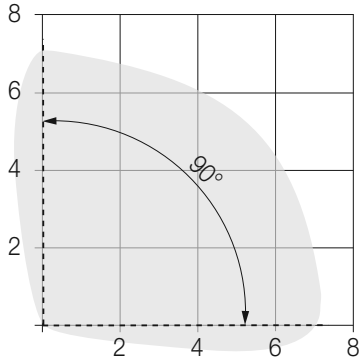


DETECTION RANGE

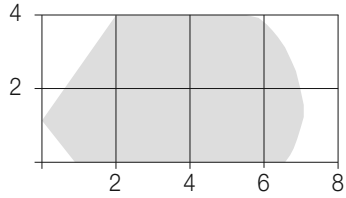
1.



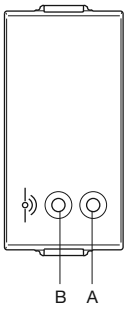
2.



3.

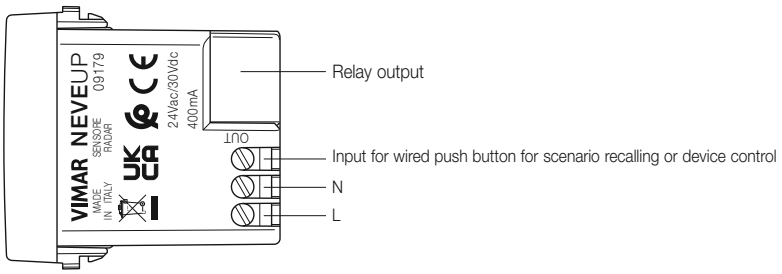


FRONT VIEW



A: Configuration push button B: Configuration LED

TERMINALS



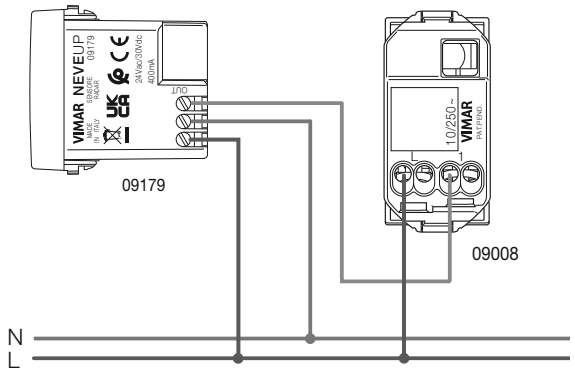
CE

09179 01 2310

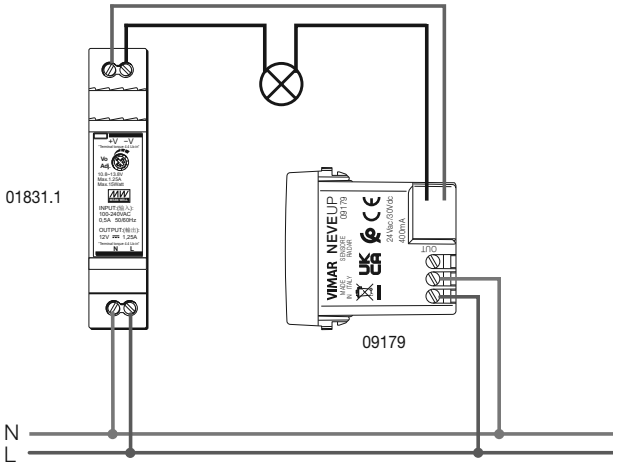
VIMAR
Viale Vicenza 14
36063 Marostica VI - Italy
www.vimar.com

CONNECTIONS

1. Connection with push button

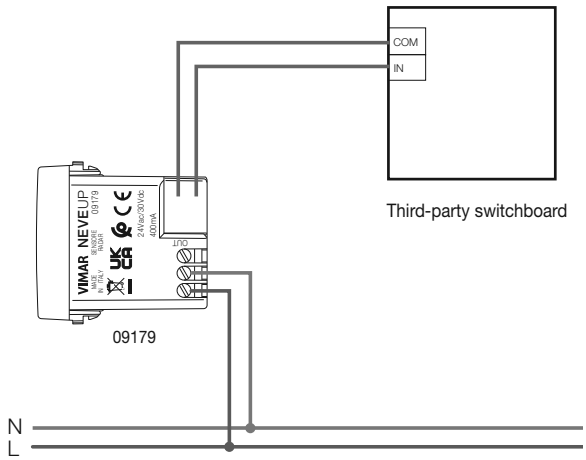


2. Connection to the pilot lamp

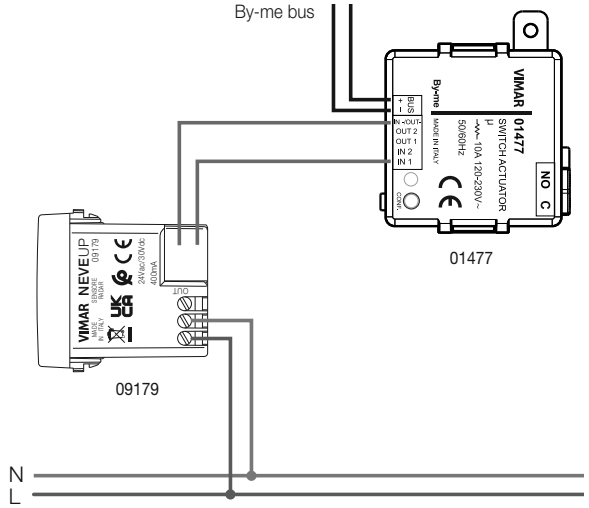


3. Connection to control switchboard or to device with potential-free inputs

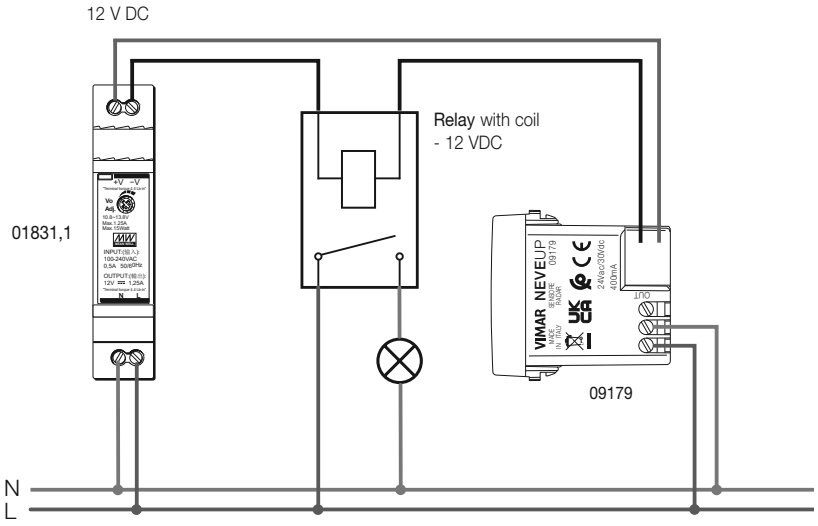
3.1



3.2



4. Connection to power relay to control a load at mains voltage



Viale Vicenza 14
36063 Marostica VI - Italy
www.vimar.com