

21815.P

IP55 RFID smart card landing reader, KNX SECURE standard, number/logo indication and room status signalling: do not disturb, room service and make up room, RGB LED backlighting with brightness control, 12-24 VDC, 24 VAC power supply, access management via View Suite software, entrance opening via card or smartphone via View Key APP standard Bluetooth technology, installation in 2-module or 3-module box.

The device enables access control and viewing of the status in the rooms where it is installed externally. The landing panel is provided with an input for connecting an ON/OFF type contact which can be used, for instance, to control the door open or closed switch, to control a magnetic contact for signalling an open or closed window, for a ceiling pull alarm, etc. The front of the panel may feature luminous signalling to display the "Service request"/"Presence in room", "Make up room" and "Do not disturb" status. Luminous indicators may also be present to display the bell, the "card" symbol, the hotel logo and the room number. The colour and the day/night brightness can be set for all luminous indicators on the device.

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.

The device is only compatible with the VIEW Suite software for card management.

CHARACTERISTICS.

- Rated supply voltage: 29 V KNX BUS.
- Absorption from the bus: 10 mA, TP1-256
- Auxiliary power supply: 12-24 VDC, 24 VAC
- Auxiliary power supply absorption: 200 mA max
- Terminals:
 - 2 terminals for the KNX bus
 - 2 terminals for the auxiliary power supply
 - 2 for potential-free digital input (SELV) with configurable function. Maximum length of the connection cable on the voltage-free contact input: 30 m. Use a twisted cable with a minimum cross-section of 0.5 mm² (art. 01890)
- The device uses RFID @ 13.56 MHz technology, ISO14443A Standard designed to manage the new Mifare DesFire EV3 cards (art. 01817) based on the AES128 encryption algorithm. In existing systems, it can be used as a replacement to manage Mifare Classic cards
- Frequency range: 11.810 MHz to 15.310 MHz
- RF transmission power: < 60 dBμA/m
- Operating temperature: -25 °C ÷ +55°C (outdoor use)
- Protection degree: IP55
- Configuration from ETS software
- Button and rear configuration LEDs. Rear red LED on steady during configuration and flashing if no application has been uploaded onto the device.
- Icons with colour and day/night brightness chosen during configuration:
 - Hotel logo (optional)
 - Room number (optional)
 - "Card" symbol
 - Central icon (optional) with 3 possible options:
 - Room service
 - Laundry service
 - Presence in room
 - Do not disturb
 - Make up room
 - Bell push button. It sends an ON control when the button is pressed and, if configured, an OFF control when it is released.

OPERATION.Luminous indicators

- Hotel logo: always on with the colour and day/night brightness selected during configuration.
- Room number: always on with the colour and day/night brightness selected during configuration.
- RFID reader symbol (Ⓡ): always on with the colour and day/night brightness selected during configuration
- Central icon: on with the brightness selected for day and night with signalling active or not active. It can be set to display Presence in room (🏠) or Laundry service (🧺) or Room service (🛎). If used for Presence in room, two different LED colours can be chosen for when the guest is in the room and when the room is vacant.
- Do not disturb (🚫): on with the brightness selected for day and night with signalling active or not active.
- Make up room (🧴): on with the brightness selected for day and night with signalling active or not active.
- Bell push button (🔔): on with the brightness selected for day and night with the button pressed or not pressed. 2LED different LED colours can be chosen for when the guest is in the room and when the room is vacant.

Input functions

- Sending ON, OFF and Toggle controls on the rising and falling edge
- Call up and save scenario
- Dimmer control
- Roller shutter control

COVER PLATE CUSTOMISATION

The cover plate includes icons   and other customisable symbols to be chosen at the time of purchase, namely:

- The Hotel logo
- The room number
- The bell symbol 
- Presence in room 
- Laundry service 
- Room service 

The central icon symbol can be chosen from the following:

- "system code" (whether consistent)
- "date" field (if enabled, it checks whether the validity has expired);
- "password" (checks all the codes associated with it and enabled, such as guest code, service code, timeframes).

Signals on the number (logo) as the card approaches

- Steady green for 3 s: card recognised
- Flashing green: invalid time frame
- Steady red for 3 s: access denied
- Flashing red: invalid expiry date
- Flashing amber/red: invalid system coding
- Flashing amber: invalid day of the week

Signals on the "card" symbol

- Flashing red/green: date and time synchronisation required
- Features the same signals as the number (logo) if the number is not present

Signals for firmware update

Long press the central icon for 5 s, the number/logo flashes blue to signal that the firmware can be updated using the View Wireless App.

During the update, the number/logo is steady blue and switches off when the update is complete.

CONFIGURATION.

The configuration of the reader, physical address and parameters (NO or NC contact inputs, colours, brightness, etc.) takes place through 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. *If the application is not present in the device or an incorrect application has been uploaded, the red LED will flash.*

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

**INSTALLATION RULES.**

- Installation 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 can be installed in a 2-module flush mounting box, 2-module BS and 3-module vertical or horizontal flush mounting boxes.

REGULATORY COMPLIANCE.

RED Directive. RoHS directive.

Standards EN IEC 60669-2-1, EN IEC 63044, EN 50491, EN 300 330, EN 301 489-3, EN 300 328, EN 301 489-17, EN IEC 62479, EN IEC 63000.

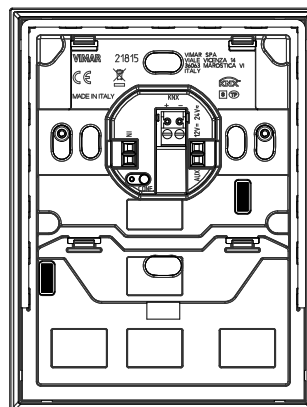
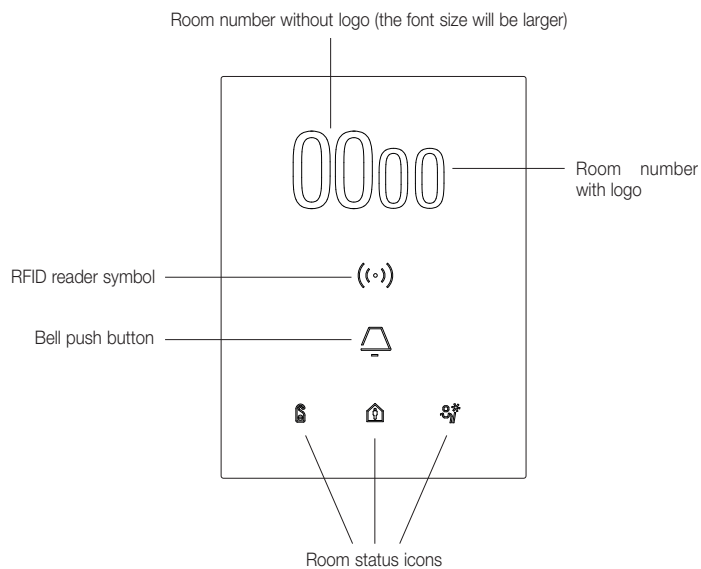
Vimar SpA declares that the radio equipment complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is on the product sheet available on the following website: www.vimar.com

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

**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.

FRONT AND BACK VIEW



BUS +, -: KNX Bus

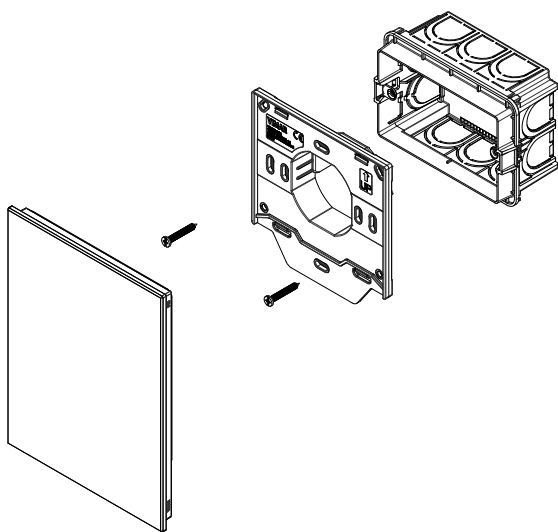
AUX: Auxiliary power supply

IN: Configurable potential-free input (SELV)

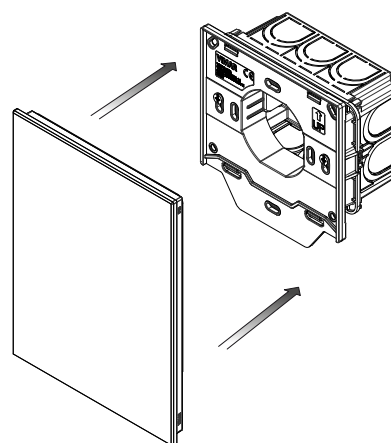
CONF: LED and configuration push button

HORIZONTAL MOUNTING

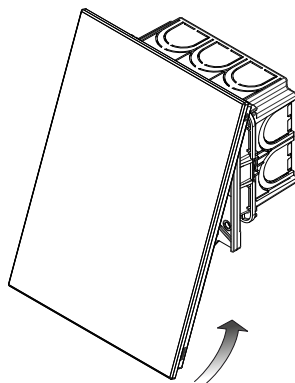
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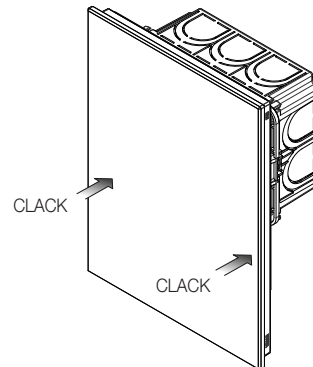
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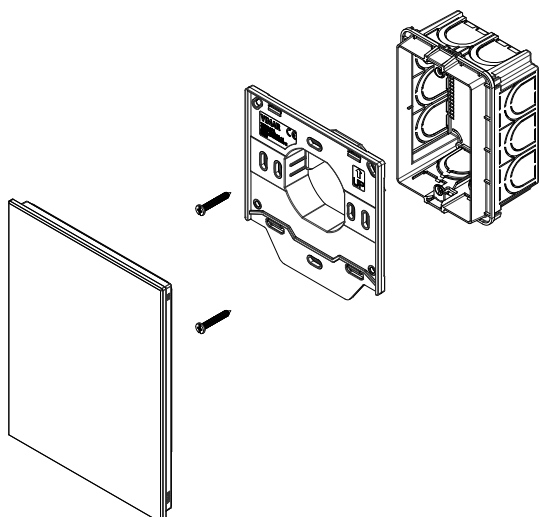


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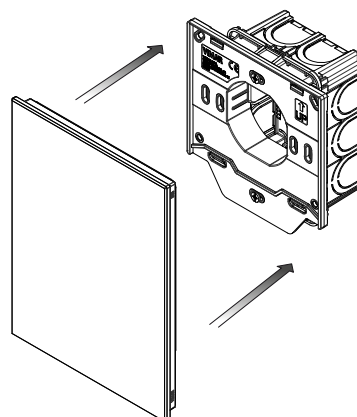


VERTICAL MOUNTING

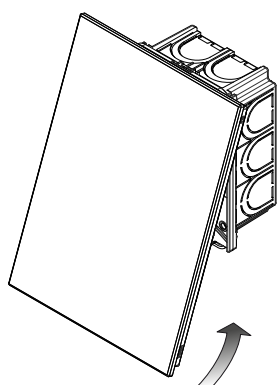
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