

LINEA	EIKON	ARKÉ	PLANA
30565.x	20475	19475	14475
30565.TRx	20475.TR	19475.TR	14475.TR



RFID smart card landing reader for installation outside rooms, KNX Secure standard, 1 NO 4 A 12/24 V~ 50-60 Hz and 12-24 VDC (SELV) relay output, 1 input for NO contacts, supplementary 12-24 V~ 50-60 Hz and 12-24 VDC (SELV) power supply - 2 modules. Supplied without RFID smart card.

The device, with transponder cards, enables controlling entry to the rooms where it is installed externally. The transponder reader is provided with a relay to control the door lock, to control a courtesy light, or for other uses; the device is moreover provided with a digital input for 1 contact (for example to control the switch for door opening and closing, a magnetic contact for signalling windows open or closed, ceiling pull alarm, etc.). There is an RGB LED on the front of the reader to signal the room statuses and card recognition.

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.

- Supply voltage:
 - KNX BUS: 30 VDC SELV
 - Power supply: 12-24 V $\approx \pm 20\%$ SELV
- Consumption:
 - on the bus: 5 mA
 - on the power supply (at 12-24 V $\approx$): 110 mA max
 - 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.
- Terminals:
 - TP bus,
 - power supply (12-24 V $\approx$)
 - digital input for 1 NO or NC contact (potential-free, SELV);
 - output for 1 NO relay
- Frequency range: 11.810 MHz to 15.310 MHz
- RFID RF transmission power: < 60 dB μ A/m
- Bluetooth frequency range: 2400-2483.5 MHz
- Bluetooth RF transmission power: < 100 mW (20 dBm)
- Operating temperature: -5 °C - +45 °C (indoor use)
- This device contains only SELV circuits that must be kept separate from circuits with dangerous voltage.
- Firmware pdate via the View Wireless App.

CONTROLLABLE LOADS.

- Voltage-free contact output, SELV (to operate only low voltage loads such as gates/locks/solenoid valves):
 - AC-1 4 A 12/24 V IEC 60947-4-1
 - DC-1 4 A 12/24 V IEC 60947-4-1
 - DC-13 0,8 A 24 V IEC 60947-5-1

OPERATION.

The configuration of the reader, physical address and parameters (NO or NC contact input, normal or timed relay output, etc.) is done with the ETS software.

The card is read by putting it in front of the reader that in sequence checks:

- "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).

IMPORTANT: The auxiliary power supply and the lock power supply can be taken from the same power supply unit (this is only guaranteed for Vimar power supply units art. 16887, 01831.1 and 01833).

Important: The length of the cable for the input connection must not exceed 30 m; use a twisted cable with a minimum cross-section of 0.5 mm² (art. 01890).

N.B. In the phase of installation provide for cable connection lengths that allow extracting the device from the flush mounting box so as to be able to access the configuration button.

Note: Do not use voltage transformers for doorbells.

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.

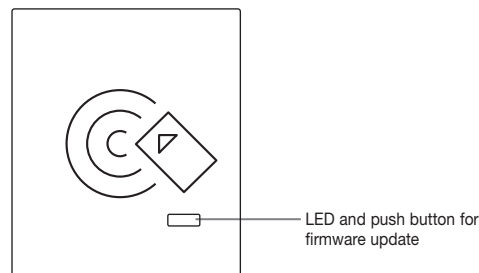
CAUTION: The tropicalised reader (.TR) complies with the same installation rules as the traditional reader (indoor use at -5 °C - +45 °C). It is not suitable for outdoor installations where it is exposed to direct sunlight or rain, (even when combined with a watertight IP55 cover) and for installations exposed to humidity and salt fog, the use of the IP55 cover is nevertheless recommended.

REGULATORY COMPLIANCE.

RED Directive. RoHS directive.

EN IEC 60669-2-1, EN IEC 63044, EN 50491, EN 300 330, EN 301 489-3, EN IEC 62479, EN IEC 63000, EN 300 328, EN 301 489-17, EN 62311 standards.

FRONT VIEW.



LED indication for access and card management

- Steady green: signalling "Entry allowed" (the LED remains on for approximately 3 s).
- Flashing green: signalling if the time frame is not valid (the LED flashes for approximately 3 s).
- Steady red: signalling "Entry denied" (the LED remains on for approximately 3 s).
- Flashing red: signalling if the expiry date is not valid.
- Alternating amber/red: signalling if the system coding is not valid.
- Flashing amber: signalling if the day of the week is not valid.
- Flashing red/green: synchronise the device's internal clock. This indication takes priority over all others.

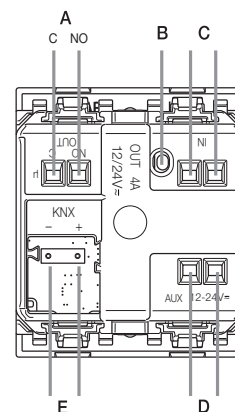
LED indications for room status (in descending priority)

- Steady red: "Do not disturb" or in KNX configuration.
- Steady amber: signalling "Room service call".
- Flashing white: signalling "Room occupied".
- Steady green: signalling "Make up room".

Other signals

- Flashing blue: awaiting firmware update (via the View Wireless App). To enable this function, press the front button for 5 s until it starts flashing.
- Steady blue: firmware update in progress.
- Steady green: KNX firmware update in progress.

VIEW FROM THE REAR.



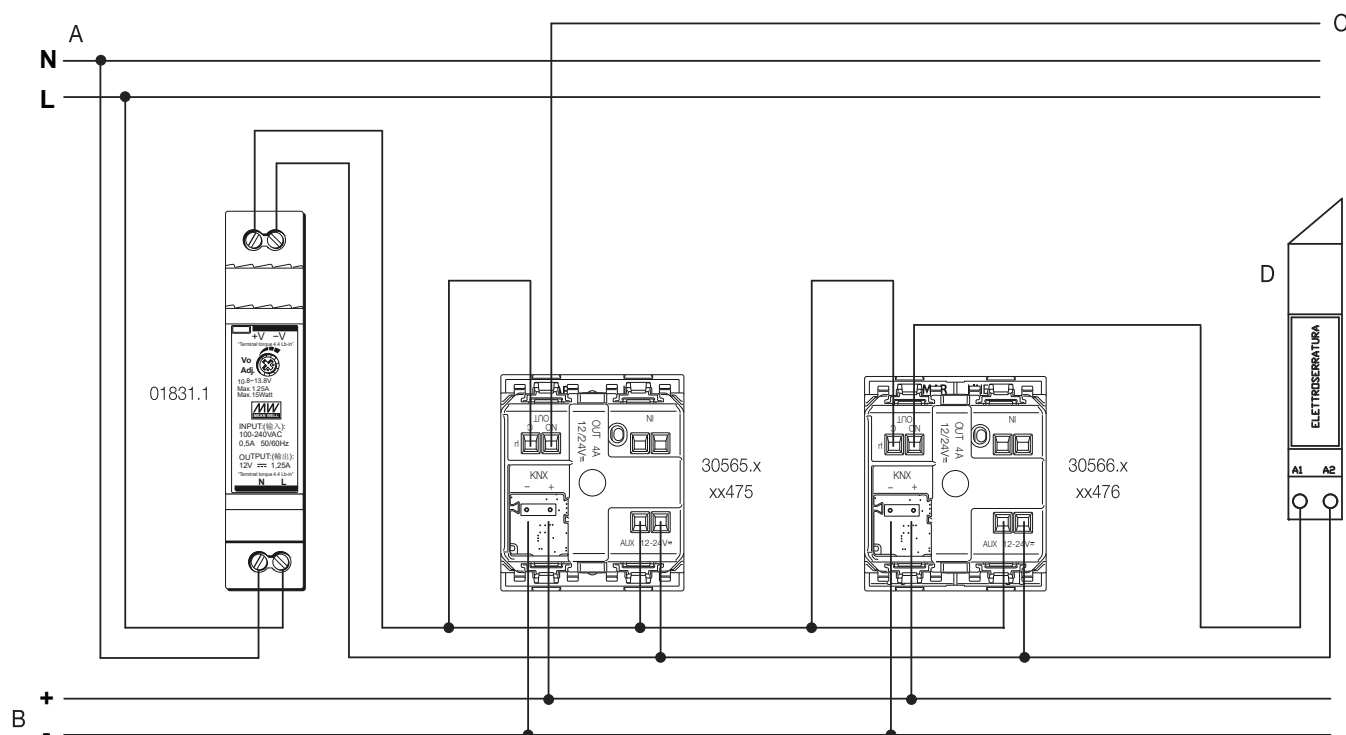
A	Relay
B	Configuration push button
C	Input
D	12-24 V power supply $\approx$
E	BUS line

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.



CONNECTION EXAMPLES



A: From room RCBO

B: KNX BUS

C: Room load line

D: Electric lock



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.