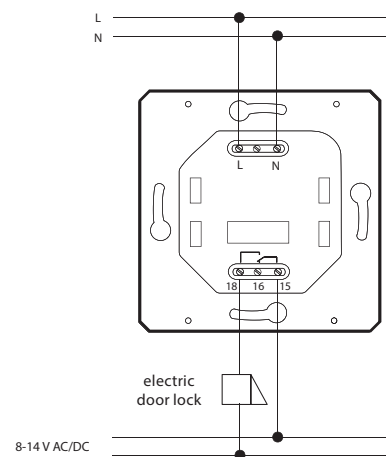


The picture of device is illustrative, the icons (symbols) are configurable by the customer.

Technical parameters	RFGCR-31/W	RFGCR-31/B
Supply voltage:	110 - 230 V AC	
Supply voltage frequency:	50 - 60 Hz	
Dissipated power:	max. 2.5 W	
Apparent input:	max. 5 VA	
Input		
Illuminance sensor:	1 ... 100 000 Lx	
Buttons		
Number of control buttons:	3	
Type:	capacitive	
Indication:	coloured illuminated symbol	
RFID readers		
Supported frequencies:	13.56 MHz	
Card Type:	MIFARE Ultralight, DESFire 2K (EV1), DESFire 4K (EV1)	
Outputs		
Signalling:	Do Not Disturb, Make Up Room	
Output:	1x changeover 8 A / AgSnO ₂	
Acoustic output:	piezo-changer	
Tactile output:	Vibration motor	
Switching voltage:	230V AC / 30V DC	
Switching output:	2000 VA / AC1; 240 W/DC	
Peak current:	20 A / <3s	
Insulation voltage between relay outputs and internal circuits:	3.75 kV, SELV according to EN 60950	
Minimal switched current:	10 mA / 10 V	
Switching frequency without load:	300 min ⁻¹	
Switching frequency with rated load:	10 min ⁻¹	
Mechanical life:	1x 10 ⁷	
Electrical life AC1:	1x 10 ⁵	
Control		
Communication protocol:	RFIO	
Frequency:	866-922 MHz (for more information see p. 80)	
Repeater function:	NO	
Range:	in open space up to 160 m	
Connection		
Network:	max. 2.5 mm ² / 1.5 mm ² with sleeve	
Other data		
Relative humidity:	max. 80 %	
Operating temperature:	-15 to +55 °C	
Storing temperature:	-30 to +70 °C	
Protection degree:	IP20	
Overvoltage category:	II.	
Pollution degree:	2	
Operation position:	any	
Installation:	into installation box	
Dimensions:	94 x 94 x 36 mm	
Weight:	161 g	

- Multifunctional RFID card reader RFGCR-31 is part of a comprehensive range of glass control units and can be advantageously used in all projects, e.g. guest room management system.
- The reader sends a wireless command to switch, signaling, bell, etc. This makes it suitable for reconstruction, where the main benefit is the installation speed.
- RFGCR-31 card reader is designed for reading smart cards, which are intended to enter the hotel room or any other part of the building.
- RFGCR-31 supports RFID media with a carrier frequency of 13.56 MHz. Supported card types MIFARE Ultralight, DESFire 2K (EV1), DESFire 4K (EV1).
- The RFGCR-31 is a design component of the system and is available in elegant black (RFGCR-31/B) and white (RFGCR-31/W) variants.
- Input card reader is the first device of guest room management system, with which the hotel guest comes into contact first and therefore was designed with an emphasis on representative design.
- Printing is possible to customize to the investor requirements. The room number as well as the logo of the hotel can be also printed on each component.
- The controller is also equipped with touch button with function of bell and with two icons to indicate the status of guest requests, e.g. "Do Not Disturb" and "Make Up Room".
- Individual symbols can be illuminated in one of seven colours - red, green, blue, yellow, pink, turquoise and white.
- Reader RFGCR-31 is equipped with an 8 A relay output with AgSnO₂ contact for door lock control.
- Reader RFGCR-31 is equipped with a sensor for ambient light intensity. Based on information from the sensor it can e.g. switch the lighting circuits in the corridor.
- Range up to 160 m (in open space), if the signal is insufficient between the card reader and unit, use the signal repeater RFRP-20 or protocol component RFIO2 that support this feature.
- Communication frequency with bidirectional protocol RFIO.
- All versions are in the size of the module (94x94 mm) from the line of luxury switches and sockets LOGUS⁹⁰ and are therefore fully in line with the design of frames for the sockets of this series, where you can just as for the controllers choose white and black glass frames.
- RFGCR-31 are designed for mounting into an installation box.

Connection



Device description

