

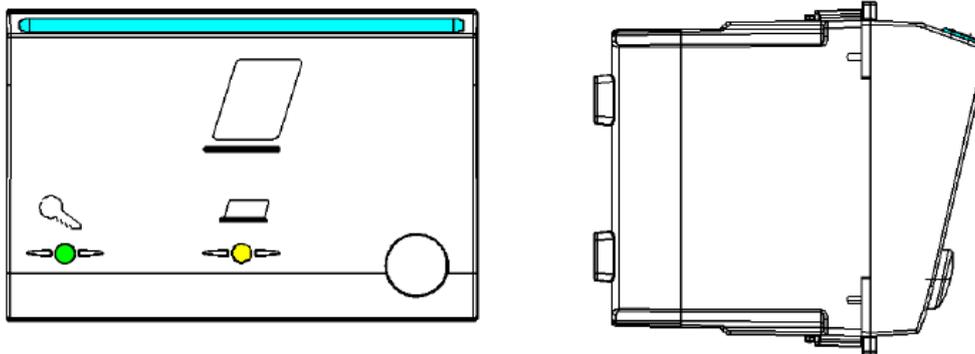
441GA33
CARD HOLDER FOR HOTEL MANAGEMENT SYSTEMS
3 MODULES S44
PRODUCT DESCRIPTION

1. General description

The device 441GA33 is a “not intelligent” card reader, to be installed inside the room/local to be managed allowing loads activation and services only at the existence of a card inserted on the badge holder. The device can manage its own outputs and inputs working independently from other devices installed in the room: *Stand-Alone* modality (without any other hotel management devices). The internal reader is not able to communicate with other devices on the hotel management system as it has no communication line.

It is equipped with a relay output (Dry contact) and output type open-collector. There are present on the same terminal both ends of the relay contact (NA and NC) and the common. On the same terminal are connected contacts for the frontal push button. In addition, the device provides a two-pin terminal to which is necessary to connect the power of 12V (either AC or DC).

The figure 1 here below illustrate the external part of the product.

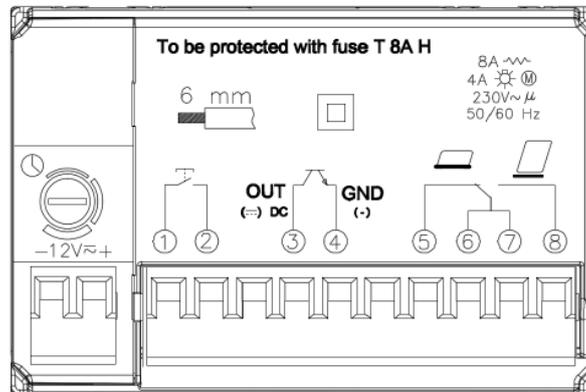


2. Technical description

441GA33 is a switch with universal badge input and with timer (delay starts at card extraction). The timer is adjustable from 10 seconds to 2 minutes. The device 441GA33 have a dimension of 3 modules of system 44 therefore can be wall mounted or built-in using the appropriate supports. The device can be used with magnetic card or chip card and similar cards having standard form ISO7816. The device is a timed electric activator which, when installed in a room, it enables the service light only when inserting of a card or a cardboard. When the card or cardboard are removed, light services are disabled after the delay time which is adjustable by a trimmer.

3.Connections and settings

In the image here below a description of the backside of the device with related connections and the adjustable trimmer for programming a delay when the card is removed.



The terminal connections on the bottom part of the card holder 441GA33 are as follow:

Terminal -	Black	Negative Voltage
Terminal +	Black	Positive Voltage
Terminal 1	Green	POLE_A Frontal push button
Terminal 2	Green	POLE_B Frontal push button
Terminal 3	Green	OUT (Positive) Open-Collector (Only DC)
Terminal 4	Green	Negative (Ground)
Terminal 5	Green	OUT_NC (Normally Close contact)
Terminal 6	Green	OUT_COM (Relay output common)
Terminal 7	Green	OUT_COM (Relay output common)
Terminal 8	Green	OUT_NO (Normally open contact)

The adjustment screw (marked with the clock icon) allows you to adjust the output disconnection delay from a minimum of 10 seconds to a maximum of more than 2 minutes.

4.Electrical features

The card holder 441GA33 is programmed taking in consideration the following electrical characteristics:

With DC power supplies

Power Voltage (DC)	+12VDC \pm 20%
Consumption with card inserted (@ +12VDC)	\leq 4 mA
Consumption during the timing (@ +12VDC)	\leq 22 mA
Consumption when card removed (@ +12VDC)	\leq 40 mA

With AC power supplies

Power Voltage (AC)	+12Vac \pm 25%
Allowed Frequency	50 \div 60Hz
Consumption with card inserted	\leq 35 mA
Consumption during the timing	\leq 75 mA
Consumption when card removed	\leq 120 mA