

# RF-57/A

## Control unit for lights and Air-conditioners which cooperates with RFID card switches



### TECHNICAL CHARACTERISTICS

Operation voltage	220 - 240V AC/50-60Hz
Consumption	4.5VA
Output for Light circuit	Relay 250V/ 20Amp (resistive load) - 12Amp (inductive load)
Output for A/C circuit	Relay 250V/ 20Amp (resistive load) - 12Amp (inductive load)
Degrees of cover protection	IP20
Produced in accordance with	EN 60669-1, EN 60669-2-1
Operation temperature range	0 to 60 °C
Relative humidity	Up to 95%
Construction material	Bayblend FR3010
Dimensions (LxWxH)	90 x 71 x 59 mm
Weight	275 gr
Guarantee	2 years

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### GENERAL

The RF-57/A unit is used in hotel and rented room installation to control the light and A/C circuits of a room. It operates in cooperation with card reader RF-42 or RF-43 and one or more magnetic window contacts.

When a window is opened and remains open for more than 60 seconds, the A/C output is deactivated. When the window is closed the A/C is activated instantly.

When the occupant is leaving the room and removes the card from card reader, then the two outputs of RF-57/A are turned off after 60 seconds and the lighting and A/C are shut down. If the card is inserted, then lighting and A/C are activated instantly.

In case of a room with air conditioner who does not use magnetic contact, then the wire from terminal B of card reader, must be connected directly to WIN terminal of RF-57/A.

Great care must be given to the cable cross section when connecting the light and A/C circuits to the RF-57 unit (depend on the loads).

To supply the RF-57/A, and connecting it to the card reader, the diameter of the wires should not exceed 1.5mm. For connecting the RF-57/A with the lighting circuit or the air condition, the diameter should not exceed 6 mm.

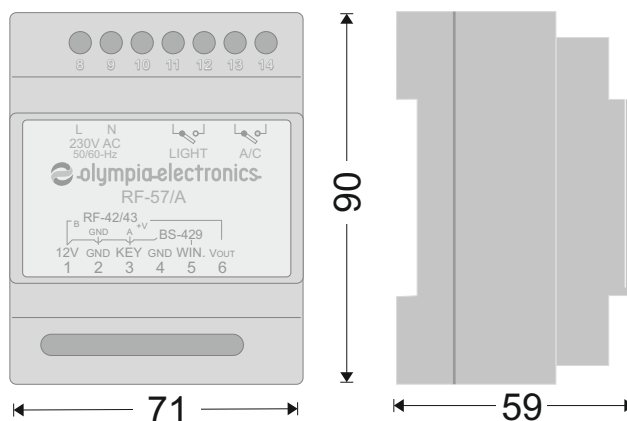


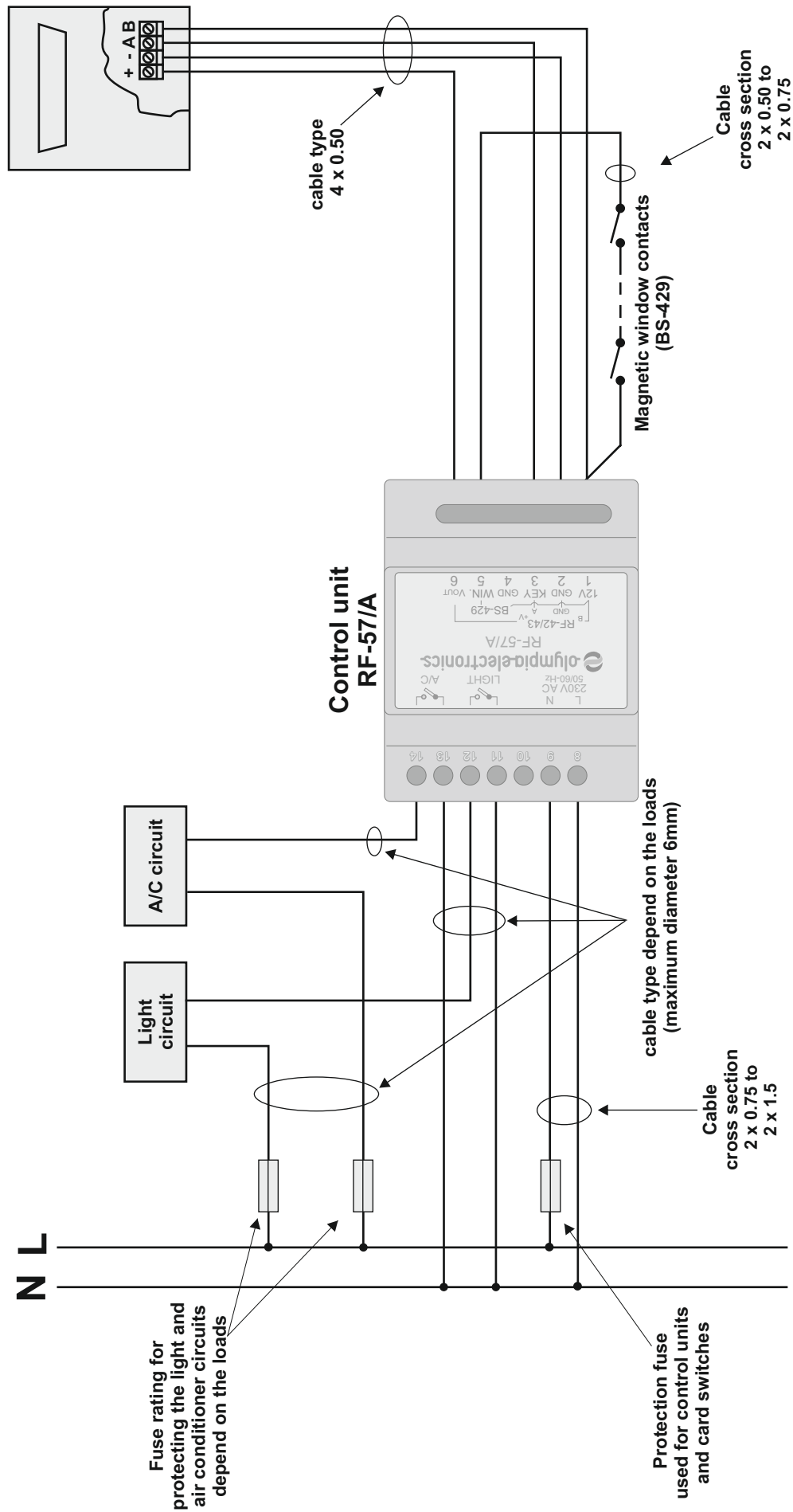
Figure 1

**ATTENTION !!! 1.** The installer is responsible for choosing the appropriate fuse to protect the power line according to the load.

**2.** For connecting loads greater than 250VAC/20Amp (resistive load) - 12Amp (inductive load) an external power relay must be used.

**Figure 2**

**Card switch  
Light and Air-conditioner control  
RF-42 or RF-43**



**WARRANTY**

Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow the technical instructions included in official documents given by Olympia Electronics or if the buyer modifies the goods provided or has any repairs or re-setting done by a third party, unless Olympia Electronics has fully agreed to them in writing. Products that have been damaged can be returned to the premises of our company for repair or replacement, as long as the warranty period is valid.

Olympia Electronics reserves the right to repair or to replace the returned goods and to or not charge the buyer depending on the reason of defection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

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