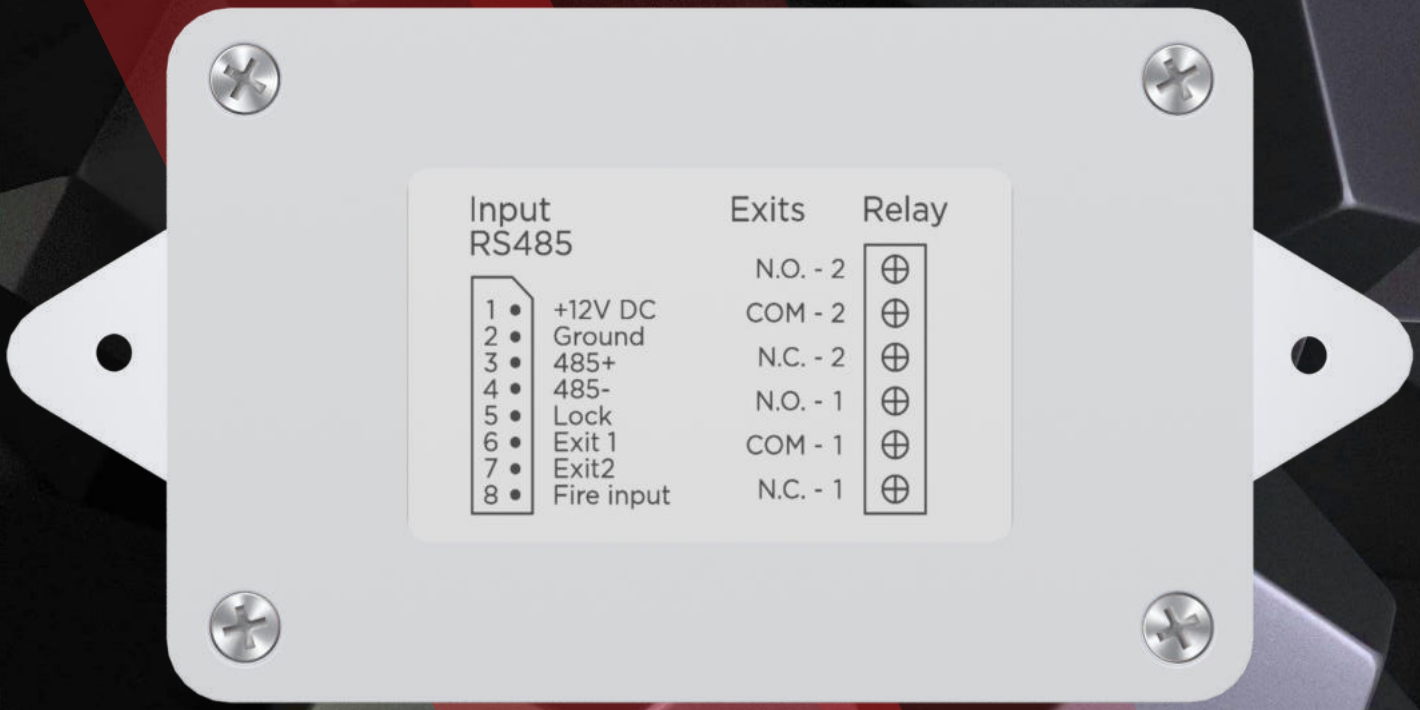
basIP

USER MANUAL

SH-42



TWO LOCKS CONTROL MODULE



Main feature

- Module supply voltage: +12 V.
- Power consumption in operating mode: 1 W.
- Standby power consumption: 0.06 W.
- Maximum current of connected load: 7 A (per channel).
- Maximum constant load voltage: +30 V.
- Maximum AC load voltage: ~ 250 V.
- Operating temperature: -40 - +75° C.
- Storage temperature: -15 - +65° C.
- Permissible humidity: 20 - 80%.
- Degree of protection: IP30C.
- Overall dimensions: 114.5 × 57.5 × 34 mm.
- Weight: 0.11 kg.

TWO LOCKS CONTROL MODULE

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Full User Manual
wiki.bas-ip.com

Device description

The control module is designed to connect two locks to the outdoor panel and control them from an internal monitor or SIP client. The module is connected to the call panel through the RS-485 interface.

This module can be used in systems with enhanced security, if you need to connect locks remotely from the call panel.

The version with 8 contacts has additional inputs for connecting buttons for opening the first and second locks, as well as an additional input for a fire alarm.

Functionality

- Two built-in relays to control two locks.
- The ability to connect as electromechanical locks and latches and electromagnetic locks.
- Switchable contact group on each relay.
- Communication with the call panel via RS-485 interface.
- Input for control low-voltage analog signal.

EAN: 5060514910559

Completness check of the product

Before installing the module, be sure to check that it is complete and all components are available.

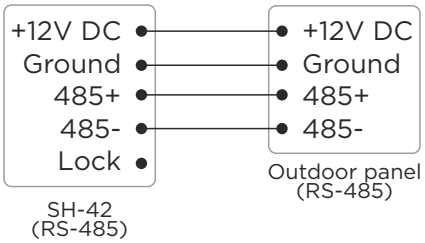
The module kit includes:

Module	1 pc
Wire with connector	1 pc
Manual	1 pc
Installation screws	2 pcs

Connection options

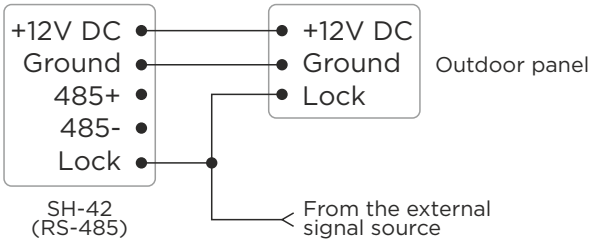
RS-485 input

The option of connecting to an individual or multi-apartment call panel using the RS-485 interface.



In this case, the call panel is connected to the module via four wires: + 12 V power supply, Ground, 485+ and 485-. With such a connection, it is possible to control two relays independently of each other.

The option of connecting to a multi-unit call panel or to an external low-voltage signal source using the control input «Lock».

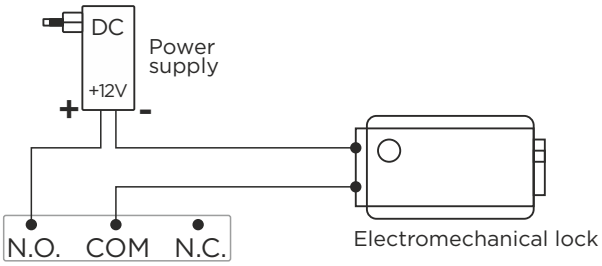


In this case, the module is connected to the call panel with three wires: +12 V power supply, Ground, and Lock. With this connection, it is possible to control only the first relay. When an external control signal module is applied to the «Lock» input, only the first relay will act on switching. For the «Lock» input, it is necessary to use a low-voltage external signal with a DC voltage from +9 to +12 V.

Relay Outputs

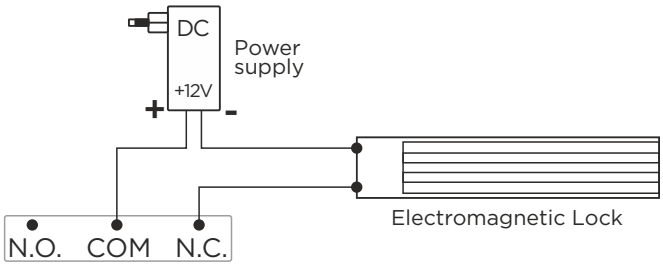
It is possible to connect both electromagnetic and electromechanical locks to the relay outputs. In this case, two relays are independent of each other and allow you to connect two electromagnetic locks or two electromechanical locks. It is also possible to connect to the first relay of an electromechanical lock, and to the second relay of an electromagnetic lock, and the opposite is allowed to the first relay of an electromagnetic lock, and to the second electromechanical lock.

The option of connecting the electromechanical lock.



With such a connection in the power circuit of the lock, you must use the contacts: **COM** (switchable contact) and **N.O.** (normally open contact).

The option of connecting the electromagnetic lock.

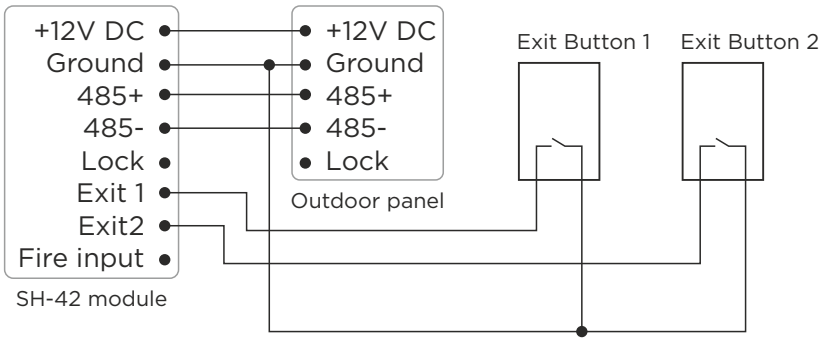


With such a connection in the power circuit of the lock, you must use the contacts: **COM** (switchable contact) and **N.C.** (normally closed contact).

Fire alarm input and exit buttons (for 8 pin module)

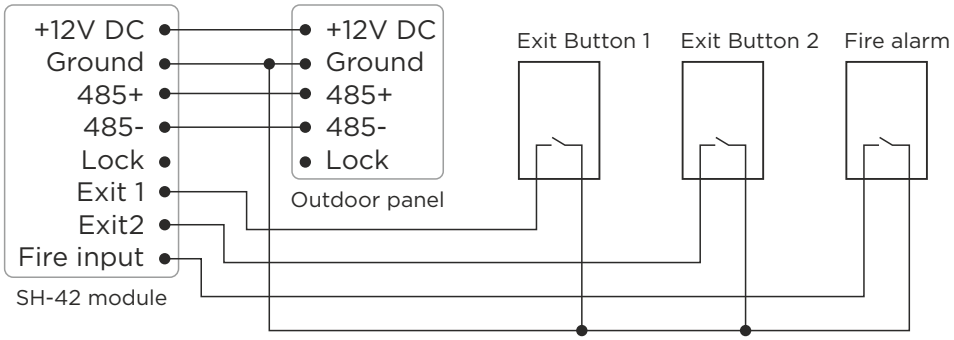
Two exit buttons can be connected to this module, which will control the first and second relays, respectively. Also, the module is equipped with a fire alarm input.

The option of connecting the exit buttons.



The exit button for controlling the first relay is connected to the **«Exit 1»** and **«GND»** contacts, and the exit button to control the second relay is connected to the **«Exit 2»** and **«GND»** contacts.

The option of connecting the exit and fire alarm buttons.



To connect the output control button of the first relay, use contacts **«Exit 1»** and **«GND»**, and to connect the control output button with the second relay, contacts **«Exit 2»** and **«GND»**. The **«Fire input»** and **«GND»** contacts are used to connect the fire alarm output contacts.

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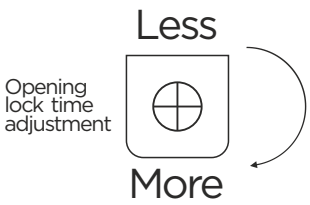
Opening delay time (for 8 pin module)

The delay module is equipped with a controller, which is responsible for the response time of the relay. This is the time at which the relays will switch from one position to another when the opening signal to them is received via the RS-485 interface, the “Lock” input and the exit buttons are pressed.



The use of electromagnetic locks.

When connecting electromagnetic locks, the controlling resistor needs to be rotated to the right, and adjust the delay time so that it is in the range of 4 to 8 seconds. If you need to use other values, this time can set more or less recommended values, but not less than 2 seconds.

The use of electromechanical locks.

When connecting electromechanical locks, the controller must be turned to the left, and the delay time is adjusted so that it is in the range of 0.5 to 1 second. If necessary, the time can be slightly increased, but it is absolutely not recommended to set this time for more than 2 seconds!

If you set a delay time of more than 2 seconds and use electromechanical locks as part of a system, there is a high probability of failure of these locks due to the technological design features of the magnetic coils in these types of locks!

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Warranty

The warranty card number _____
Model name _____
Serial number _____
Seller name _____

With following stated terms of warranty is familiar, functional test was performed in my presence:

Customer signature _____

Warranty conditions

The warranty period of the product — 36 (thirty-six) months from the date of sale.

- Transportation of product must be in its original packaging or supplied one by the seller.
- The product is accepted in warranty repair only with a properly filled warranty card and the presence of intact stickers or labels.
- The product is accepted for examination in accordance with the cases provided by law, only in the original packaging, in a full complete set, appearance corresponding to the new equipment and presence of all relevant properly filled documents.
- This warranty is in addition to the constitutional and other consumer rights and in no way restrict them.

Terms of warranty

- The warranty card must indicate the name of the model, serial number, purchase date, name of the seller, seller company stamp and the customer's signature.
- Delivery to the warranty repair is carried out by the buyer himself.
- Warranty repairs carried out only during the warranty period specified in the warranty card.
- The service center is committed to do everything possible to carry out the repair warranty products, up to 24 working days. The period spent on the restoration of product functionality is added to the warranty period.

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Notes


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