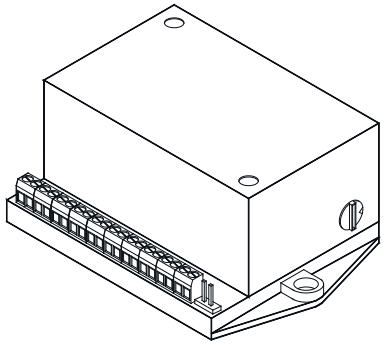
BJ-237
Enabler 9R
User guide



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1. Description of the Device

This enabler with nine relay switched contacts is designed to control up to 9 functions of the same element or of different elements: lifts, ceiling hoists, elements in a sensory room, etc.

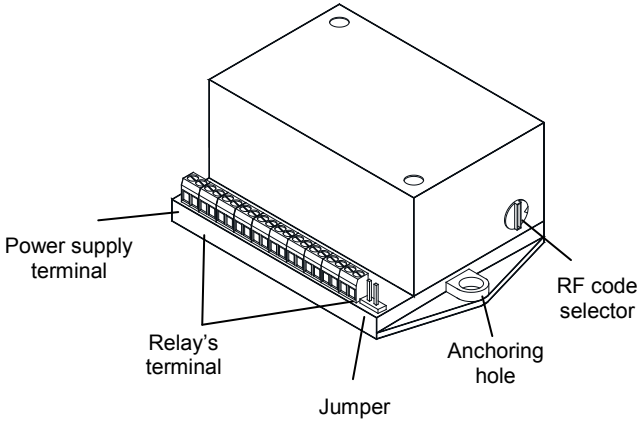


Fig. 1: BJ Enabler 9R

You can activate the enabler remotely using any of the BJ System's remote controllers.

2. Technical data

RF Frequency	433MHz
Power supply	12-24 Vdc / 12Vac
Output	9 relay contact
Size	105 x 59 x 36 mm.
Minimum section of the power cables	0.5 mm2
Maximum section in load circuit	1.5 mm2
Maximum resistive loads:	1A - 24Vdc 1A - 24Vac
Not compatible with 230 V ac loads	

3. Pre-installation

For correct installation, the enabler must be fitted in a sealed box that provides sufficient space, absence of dust and humidity and isolation from direct contact with people.

The dimensions of the box where it is installed must be at least: 120mm x 100mm x 48mm (length, width, height). It can be fitted on the surface or recessed. The enabler has two "anchoring holes" for fitting (Fig. 1). The distance between the anchoring holes is 105mm and the holes' diameter is 4mm.

To install the enabler you must carry the enabler's power cable and load cable's to the box where it will be installed.

4. Installation

CAUTION! **Electrical installation may only be carried out by a qualified electrician!**

Do not make any unauthorized alterations or modifications to the unit.

The relay contact is only suitable for **low voltage power supply** (24 V dc/ac – 1A)

Observe the manufacturer's instructions for the device to be operated.

For a proper installation of the device see figure 2:

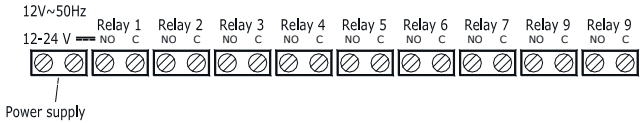


Fig. 2: Circuit diagram of the Enabler connections

CAUTION!: **An error in the connections may cause serious damage to the device or the installation, or harm to the operator.**

IMPORTANT!: **See the device technical data to check the type and maximum loads that can be connected to the enabler.**

Power cables must be stripped a distance of 5mm.

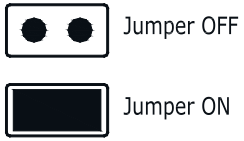
Once the enabler's connections are made and before connecting the device to the power supply, you must choose the position on the "RF code selector" (see figure 1).

5. Operating modes

This enabler is designed for switching low powered devices in two selectable operating modes: in Dead Man's mode relays are triggered as long as the transmitter button is pressed, and in pulse mode, relay is triggered and works for 1 second when pressing the transmitter button.

The operating modes can be configured by means of a jumper.

Jumper OFF: dead man mode.
Jumper ON: 1 second pulse mode



The RF selector allows up to 4 positions; each one corresponds to a RF code assigned to the enabler:

S	R1	R2	R3	R4	R5	R6	R7	R8	R9
0	217	218	219	220	221	222	223	224	225
1	226	227	228	229	230	231	232	233	234
2	235	236	237	238	239	240	241	242	243
3	244	245	246	247	248	249	250	251	252

Table 1

S=Selector
R1= Relay 1
R2= Relay 2
R3= Relay 3
R4= Relay 4 and so on.

IMPORTANT!: **change the code in the selector or the operating mode, disconnect the enabler from the power supply, wait five seconds and reconnect the circuit.**

6. Using the enabler

To use the enabler:

1. The device must be mounted in accordance with the installation instructions (see section 4).
2. Program on the BJ System's remote controller the RF code assigned in Table 1, depending on the position of the selector. See the controller's user guide to learn how to program the RF codes.
3. The enabler will activate/deactivate the load when the programmed button in the controller is pressed.

7. General information

Maintenance

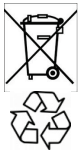
The enabler can be cleaned using a damp soft cloth. Always carry this operation out with the enabler disconnected.

In the event of a fault in the enabler, do not handle it and contact your distributor.

Disposal

Waste electrical products should not be disposed of with household waste!

Dispose of the waste product via a collection point for electronic scrap or via your specialist dealer.



Put the packaging material into the recycling bins for cardboard, paper and plastics.

Warranty

Within the statutory warranty period we undertake to rectify free of charge by repair or replacement any product defects arising from material or production faults.

Any unauthorized tampering with, or modifications to the product will annul this warranty.

Conformity

This product complies with the essential requirements of the Directive 2004/108/EC.

The Declaration of Conformity can be downloaded from the product's webpage.

Customer Service

If, despite of correct handling, faults or malfunctions occur or if the product was damaged, please contact us at the address below:

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