

CP-Z

Reader of proximity cards

iron **iL** Logic**GENERAL INFORMATION**

"The CP-Z reader" is used in access control systems as a reader for PROXIMITY proximity cards of the EM-Marine standard with an operating frequency of 125 kHz and conversion of the code of the read card into the Dallas Touch Memory code.

The reader works with equipment that is controlled using Dallas Touch Memory keys (DS1990A). Reading the card is confirmed by the sound of the built-in buzzer.

SPECIFICATIONS

Input protocol: standard EM-Marine
 Output protocol: Dallas Touch Memory
 Distance of the reader from the controller in DS1990A mode, no more than, 15m. Range of card reading, not less than: 80 mm.
 Confirmation of card readout: buzzer signal (buzzer off).
 Power supply: 8 - 18 VDC
 Current consumption in card standby mode, not more than: 20 mA
 Operating temperature: -40C to + 50C
 Relative humidity, not more than: 95%
 Dimensions: 65x65x18 mm.

OPERATION OF THE READER

When the PROXIMITY card is inserted in the field of action, its identification number is transmitted to the reader and a buzzer sounds. The resulting PROXIMITY code is converted to a code that simulates the Dallas Touch Memory key, which is sent to the output. For the device to which the "Reader CP-Z" is connected, there is no difference between the code of the real key Touch Memory and the code that the reader generates, so there are no changes or disturbances in its operation.

To disable the buzzer sound, it is necessary to have a snack jumper J3 on the reader board (next to the buzzer), see Fig. 1.

Output: MIS transistor.
 Operating voltage: 12V DC
 Current consumption (standby mode) 4mA
 Switching current up to 5A
 Protection against improper switching +
 Overall dimensions: 54x31x14 mm
 Operating temperature: -40C to + 50C

INSTALLATION AND CONNECTIONS

The reader is mounted on a flat surface in a place that ensures unobstructed presentation of the PROXIMITY card to it. To mount the "CP-Z Reader" module, perform the following operations: Mark and drill the holes for attaching to the size of the holes in the inner cover. Connect the wires to the reader connector, according to the diagram in Fig.1.

Install the top cover and secure with screws.

It is conceivable to install the reader behind dielectric surfaces, thickness not exceeding 10 mm. (from the inside of the wooden doors, behind the decorative cladding panels, etc.) or immured in the wall. The reading range is reduced.

If you intend to use a hidden installation, then before you make the final installation, check the quality of the card reading in the selected location. Place the reader on the surface, fixing it with tape, turn on the power.

Bring the card from the other side of this surface, opposite the point at which the reader is attached. Control the card reading on the buzzer signal.

CONTENTS OF DELIVERY

Reader "CP-Z" 1 pc.
 Instruction manual 1pcs

WARRANTY LIABILITIES

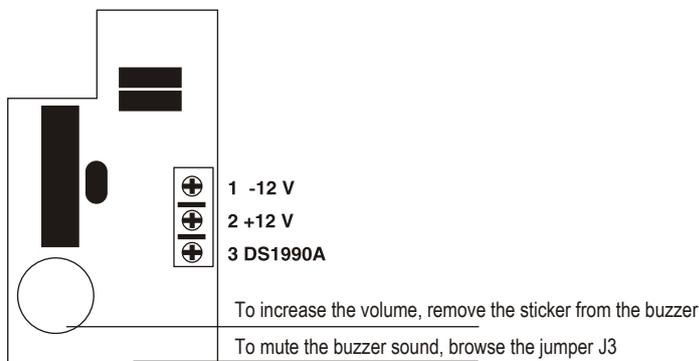
The guarantee for the CP-Z reader is unlimited.

Grounds for termination of warranty obligations:

- violation of this Instruction;
- presence of mechanical damages;
- presence of traces of water and aggressive substances;
- presence of traces of unskilled interference in the controller circuit

During the warranty period, the Manufacturer will fix the CP-Z reader faults caused by the fault of the Manufacturer free of charge or replace the faulty parts and units. The repair is carried out in the workshop of the Manufacturer.

fig. 1

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