User's manual

Сертификат ГОСТ Р
№ РОСС RU.ME83.B00374

ironLogic

Date of sale

«____» _____20___ .

Seller:

_____

St. Petersburg,
Bobruiskaya, 7,
Tel./Fax. (812) 703-77-65,
542-11-85, 542-04-80
Moscow,
Schelkovskoe highway, 2 of. 214,
phone / fax. (495) 580-37-61

CP-Z2L overhead reader (125kHz; EM-Marine)

ironLogic ps.011

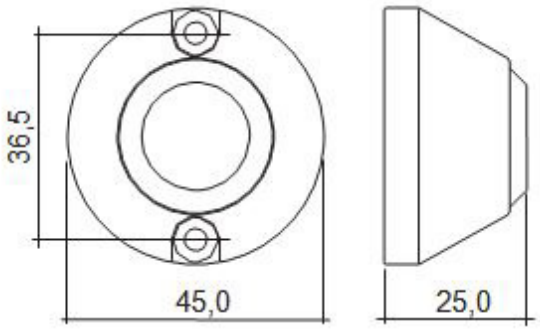

Fig.1 Dimensions of the product.

6. WARRANTY LIABILITIES

The warranty period is 18 months from the date of sale or 24 months from the date of issue.
Grounds for termination of warranty obligations:
violation of this Instruction;
- presence of mechanical damage;
- presence of traces of exposure to moisture and corrosive substances;
- presence of traces of unskilled interference in the controller circuit

During the warranty period, the Manufacturer will repair the controller's faults free of charge,
- Originated through the fault of the Manufacturer, or replaces defective units and panels

7. CONTENTS OF DELIVERY

Reader CP-Z2L - 1 pc.
Base - 1 pc.
Screw 3.5x30 - 2 pcs.
Dowel NAT5 - 2 pcs.
Instruction manual - 1 pc.
Packing - 1 pc.

1. GENERAL INFORMATION

The CP-Z2L overhead reader is used in Access Control Systems (ACS) to transmit to the controller the code of the EM-Marine keyfob delivered to it by the iButton or Weigand26 protocols. The body of the product is made of mechanically strong and refractory material and completely repeats the forms of the contactor for DALLAS keys. This makes it possible to use the CP-Z2L waybill in the ACS or autonomously, instead of the traditional contactors for DALLAS keys, without any changes in the design or the complexity of the installation. Advantages to users: Additional service and functionality of contactless technologies; convenience of contactless opening of the door (without removing the key from the pocket or wallet); wide selection of keys of various shapes and colors, with the possibility to put your logo.

2. INSTALLATION AND CONNECTION

The reader is mounted on a flat surface in a place that provides unobstructed presentation to it PROXIMITY-keychain.

To mount the CP-Z2L reader, perform the following operations:

- - Mark and drill the holes for fastening.
- - Connect the wires to the reader, in accordance with Fig. 2 and Fig. 3. When the power is connected, the red LED lights up.
- - Isolate the wires at their junction points.

- Install the reader and secure it with screws.

*To ensure remote installation of the reader (indicated in the characteristics), it is necessary to use a UTP cable with a twisted pair (for example, conforming to the CAT5e standard):

- When connecting via iButton, one twisted-pair wire is connected to GND, the second to D1.
- When connected to Weigand 26, the first twisted pair is connected between GND and D0, and the second twisted pair is connected between GND and D1.

white	D1
black	GND
blue	D0
red	+12V
brown	
brown	

*Cut brown wire to turn off the permanent light indication.

Fig.2 Purpose of wires.

3. OPERATION OF THE READER

In working condition, the red LED is on, signaling the presence of power. When the PROXIMITY keyfob is inserted in the field of action, the keyfob identification number is read. Then the read identification number is transmitted to the controller via the DallasTouchMemory (iButton) or Wiegand26 protocol (depending on the choice of the transmission protocol, Fig. 3). When the keychain number is read and its code is transmitted, the red LED flashes for 1 second.

4. CHARACTERISTICS

Operating frequency: ..... 125kHz.
Type of key fobs used: ..... EM-Marine.
Read range: ..... 30-60 mm.
Protocols: ..... iButton, Wiegand 26.
Remoteness of the reader to the controller:
- in DS1990A mode, not more than: ..... 15m.
- in Wiegand mode, nomore than ..... 100m.

Indication of operating modes: ..... red LED.
Backlight: ..... red light (optional).
Power supply voltage: ..... 12VDC.
Maximum current consumption
In standby: ..... . 30mA.
Case Material: ..... polyamide, silumin.
Dimensions: ..... 45x25mm.
Weight: ..... 80gr.

5. OPERATING CONDITIONS

Ambient temperature: ..... -30C to + 50C.

Relative air humidity: ..... no more than 90%.

The reader is designed for operation in the absence of: atmospheric precipitation, direct sunlight and condensation of moisture.

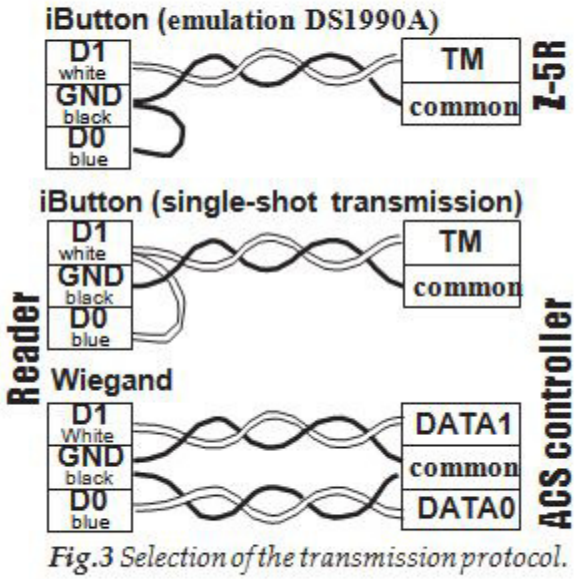

Fig.3 Selection of the transmission protocol.