



**ADDRESSABLE
EMERGENCY
LIGHT SIGN**
«Tablo-A»

Installation Guide

1 General information

1.1 The addressable light sign «Tablo-A» (hereinafter referred to as the Sign) is designed to inform people about evacuation routes in the event of emergency events by generating a light signal.

1.2 The siren is designed to work together with a Control Panel (hereinafter referred to as CP), which supports the «Rielta-Kontakt-ADR» address exchange protocol.

1.3 Control of the light signal and monitoring of the siren status is carried out through a two-way exchange via an addressable loop (hereinafter referred to as ADL).

1.4 The siren is powered from three power sources:

- a) from two external ones (main and backup) to power the light signal;
- 6) from the ADL for powering the siren and operating via ADL.

1.5 The siren provides galvanic isolation between the alarm and external power supply with an electrical insulation strength of at least 1.5 kV.

1.6 Upon receiving a corresponding command from the CP, the siren generates the following light signal modes:

- continuous;
- intermittent with a frequency of 0.5 Hz;
- intermittent with a frequency of 1 Hz;
- switched off.

1.7 The siren generates and transmits the following notifications to the CP:

- «Main power failure» – when the main power supply voltage decreases;
- «Backup power failure» – when the backup power voltage decreases;
- «Emergency» – when a malfunction of the main and backup power supplies occurs simultaneously;
- «Power failure» – when the supply voltage in the AS is low;
- «Alarm mode» – in accordance with the set light signal mode.

1.8 The siren provides contrast perception of the warning signal in external illumination from 1 to 500 lux.

1.9 The siren status is displayed by two LED indicators on the board – red and green (see Table 3).

Observation of the indication is only possible with the housing open.

1.10 The siren is designed for continuous round-the-clock operation in enclosed spaces of residential and industrial buildings and structures.

1.11 The siren is resistant to influence:

- electromagnetic fields;
- electrostatic discharges;
- nanosecond pulse noise.

1.12 Industrial radio interference created by the siren complies with the standards information technology equipment.

2 Technical specifications

Table 1

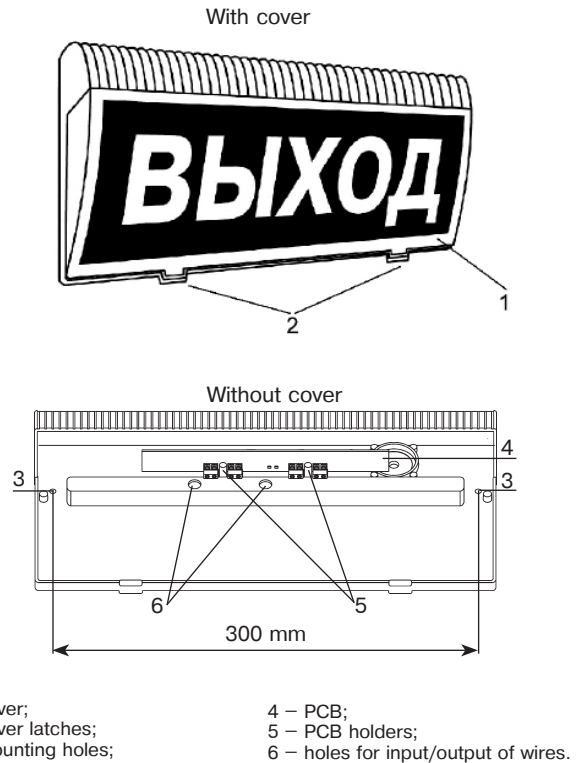
Parameter	Value
Supply voltage:	
- from the main power source	9...30 V
- from a backup power source	9...30 V
- from ADL (in the absence of exchange)	6,5...14 V
Power consumption from the main or backup power source:	
- when the light signal is on	30 mA
- when the light signal is off	5 mA
Power consumption from ADL in the absence of exchange and light indication:	
- when the light signal is on	5 mA
- when the light signal is off	1 mA
Protection class	IP40
Overall dimensions	330x150x62 mm
Weight	0,45 kg
Average service life	10 years
Operational conditions	
Operating temperature range	from -30 to +55 °C
Permissible humidity at 40°C	93%

3 Contents of the set

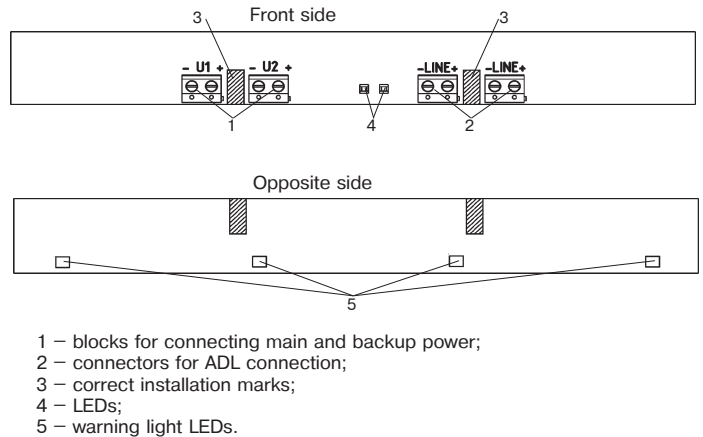
Table 2

Item	Qty
The addressable light sign «Tablo-A»	1 pc
Screw 3-3x30.016	2 pcs
Dowel «SORMAT» NAT 5x25	2 pcs
Instruction for the addressable light sign «Tablo-A»	1 copy

4 Design



Picture 1 – The sign



Picture 2 – board of the Sign

5 Indication

Table 3

Operation	Indication	Note
Successful registration/deletion	Frequent activation of the red indicator for 2 s	
«Normal»	Turning on the green indicator with a period of 8 s	In case of no failures and alarms
«Malfunction»	Turning on the red indicator with a period of 2 s	When failure notification is firmed
«Identification»	Alternately turning on the green and red indicators for 15 minutes	Upon receiving of the corresponding command from CP

6 Safety measures

6.1 The siren corresponds to protection class III in terms of the method of protecting people from electric shock.

6.2 When installing and operating the siren, one should be guided by the provisions of the «Safety Rules for the Operation of Consumer Electrical Installations».

6.3 All installation work must be carried out only with the external power turned off.

7 Choosing the place of installation

7.1 When considering the location of the siren, it is necessary to be guided by the relevant regulatory documents.

7.2 External power and ADL wires should be located away from power electrical cables.

7.3 The installation location should provide convenience for installation, access for maintenance and inspection of the siren.

8 Installation and registration

8.1 Having chosen the location for installing the siren, make markings for its mounting. The housing can be used for marking (see Picture 1).

8.2 Remove the siren board (4) to prevent damage to it when installing the base.

8.3 Route the wires to connect the siren through the holes (6) for the input and output of wires in the base of the housing.

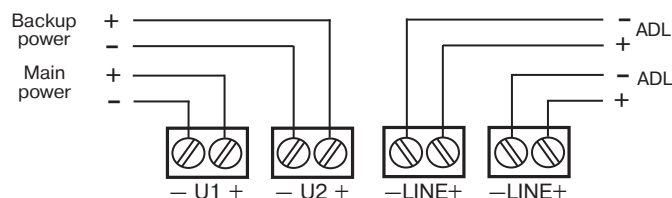
8.4 Secure the chassis base with two screws using the mounting holes (3) at the selected installation location.

8.5 Install the ADL wires and external power supply to the siren board according to the connection diagram (Picture 3).

8.6 Install the siren board (4) into the base of the housing.

8.7 Prepare the CP for siren registration according to the instructions on the CP.

8.8 Register the siren in the CP.



Picture 3

9 Functionality check

In order to check the functionality of the siren, one should send the corresponding command from the CP to set the light signal mode and visually observe the operation of the sign.

10 Storage and transportation

10.1 The siren in a transport container can be transported by any type of transport in covered vehicles over any distance, in accordance with the rules for the transportation of goods in force for the relevant types of transport.

10.2 The conditions for transporting the siren must comply with storage conditions.

10.3 The storage conditions of the siren in the manufacturer's packaging in warehouses must comply with storage conditions.

10.4 The storage room should be free of conductive dust, vapors of acids and alkalis, as well as gases that cause corrosion and destroy insulation.

11 Disposal information

11.1 Disposal of the siren should be carried out taking into account the absence of toxic components in it.

11.2 The content of precious materials does not require accounting during storage, write-off and disposal.

11.3 The content of non-ferrous metals does not require consideration when decommissioning and further disposal of the siren.

12 MANUFACTURER'S WARRANTY

12.1 The manufacturer guarantees conformity of the siren's compliance to the Technical Specifications requirements provided the transportation, storage, installation and operation conditions are observed.

Guaranteed storage period is 63 months from the date of manufacture of the detector.

12.2 Warranty period of operation is 60 months from the date of commissioning within the warranty period of storage.

12.3 Detectors that, during the warranty period, were found not to be compliant with the operating and installation rules, are repaired by the manufacturer.

13 Packing Certificate

Addressable light sign «Tablo-A» has been manufactured in compliance with the active technical documentation, classified as fit for operation and packed by «Development and Production Enterprise RIELTA» LLC.

Packing date _____
month, year