

**COMBINED ADDRESSABLE
FIRE SOUNDER
«Trubach-A»**

Installation Guide

1 General information

1.1 The combined addressable fire siren «Trubach-A» (hereinafter referred to as the siren) serves to inform people about alarm events by generating sound and light signals.

1.2 The siren is designed to work with a Control panel (hereinafter referred to as CP), which supports a two-wire addressable loop (hereinafter referred to as ADL) with a two-wire exchange protocol «Rielta-Contact-ADR».

1.3 Alert management and transmission of notifications is carried out by commands from the CP to the ADL.

1.4 The siren is powered from the ADL.

1.5 The siren, upon command from the CP, generates the following alert signal modes:

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

The sound and light signal modes can be set independently.

1.6 The siren generates and transmits four types of notifications to the control panel:

- «Normal» – standby mode, no faults;
- «Power failure» – at low voltage in AS (7 ± 1) V;
- «Enable sound notification» – upon receipt of the corresponding command from the CP;
- «Activation of light warning» – upon receipt of the corresponding command from the CP.

1.7 The siren is equipped with a red LED indicator to monitor the registration of the siren in the CP.

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

1.9 The siren is resistant to:

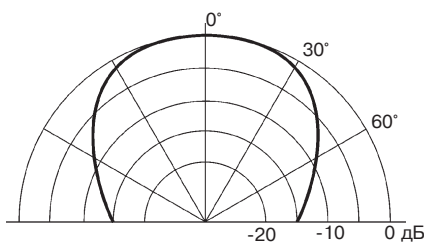
- electromagnetic fields of the third degree of hardness;
- electrostatic discharges of the third degree of severity;
- nanosecond pulse interference of the third degree of severity.

1.10 Industrial radio interference created by the siren meets the standards information technology equipment.

2 Technical specifications

Table 1

Parameter	Value
Sound pressure level at a distance of 1 m	85 dB
Sound frequency	2-5 kHz
Illumination range for contrast perception of light signal	1-500 lk
Supply voltage (voltage in ADL)	(12 ± 4) V
Current consumption in standby mode	1,5 mA
Current consumption (in the absence of exchange via ADL):	
- in standby mode	1,3 mA
- in sound notification mode	30 mA
- in light warning mode	25 mA
Protection class	IP30
Overall dimensions	110x93x42 mm
Weight	0,12 kg
Average service life	10 years
Operational conditions	
Operating temperature range	from -20 to +55 °C
Permissible humidity at +40°C	93%



Picture 1 – Typical radiation pattern (horizontal and vertical)

3 Contents of the set

Table 2

Item	Qty
The combined addressable fire siren «Trubach-A»	1 pc
Screw 2-4x30.01.016	2 pcs
Dowel «PND» NAT 6x30	2 pcs
Instruction for the combined addressable fire siren «Trubach-A»	1 copy

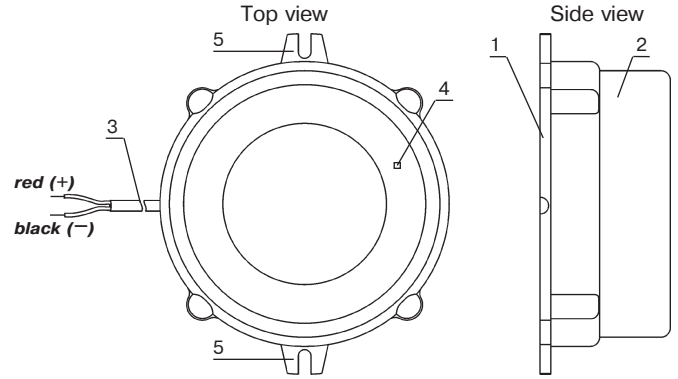
4 Design

4.1 The appearance of the siren is shown in Picture 2.

4.2 The siren consists of a base (1) with an installed printed circuit board, a housing cover (2) and a cable connecting to the AS (3).

4.3 Under the transparent housing cover there is an LED indicating the registration mode (4).

4.4 Grooves (5) in the base (1) are provided for attaching the siren to the mounting surface.



Picture 2 – «Trubach-A»

5 Safety measures

5.1 In terms of the method of protecting people from electric shock, the sounder corresponds to protection class 0.

5.2 The design of the siren ensures its fire safety during normal operation and operation under fault conditions.

5.3 The siren does not use or generate voltages dangerous to human life.

6 Switching on and preparing for operation

In general, the sequence of actions consists of:

- registration of the siren in the control panel;
- selection of installation location and installation;
- performance checks.

7 Registration in CP

7.1 Connect the siren cable (3) to the ADL (red "+").

7.2 Start the registration procedure in the PPK.

Upon completion of registration, the LED indicator (4) in the siren will turn on for 2 seconds.

8 Selection of installation location and installation

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

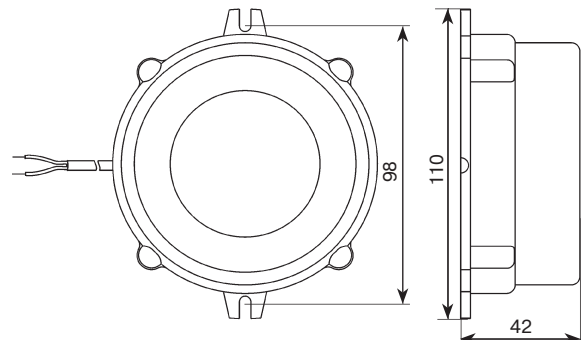
8.2 The resistance of the ADL and the distance from the installation site to the control panel should not exceed the parameters specified on the control panel. In any case, the resistance of the ADL should not exceed 40 Ohms (equivalent to 1 km with a copper cable cross-section of 1 mm²).

8.3 The installation location must provide convenience for installation, access for maintenance and inspection of the siren.

8.4 Having chosen the location for installing the siren, make markings for its mounting. The body can be used for marking.

8.5 Secure the siren in the selected location using screws (supplied). Overall and installation dimensions are shown in Picture 3.

8.6 Connect the siren cable (3) to the ADL.



Picture 3 – Overall dimensions

9 Functionality check

To check the functionality, send the corresponding command from the control panel to set the light signal mode, visually observe the operation of the alert.

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 5.

10.3 The storage conditions of the siren in the manufacturer's packaging in warehouses must comply with storage conditions 1.

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 is 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 Detector to the Technical Specifications requirements provided the transportation, storage, installation and operation conditions are observed.

12.2 Warranty period of operation is 36 months from the date of commissioning within the warranty period of storage.

12.3 A siren that, during the warranty period, subject to compliance with the rules of transportation, installation and operation, is found to be non-compliant with technical specifications, will be replaced or repaired by the manufacturer.

13 Packing Certificate

The combined addressable fire siren «Trubach-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