ACSP

Ethernet communication module

ACSP-ETH

EN

Firmware version 1.00

CE CNBOP-PIB

acsp-eth_en 02/23

Satel®

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IMPORTANT

The device should be installed by qualified personnel.

Prior to installation, please read carefully this manual in order to avoid mistakes that can lead to malfunction or even damage to the equipment.

Disconnect power before making any electrical connections.

Changes, modifications or repairs not authorized by the manufacturer shall void your rights under the warranty.

FreeRTOS is used in this device (www.freertos.org).

The following symbols may be used in this manual:

 - note,

 - caution.

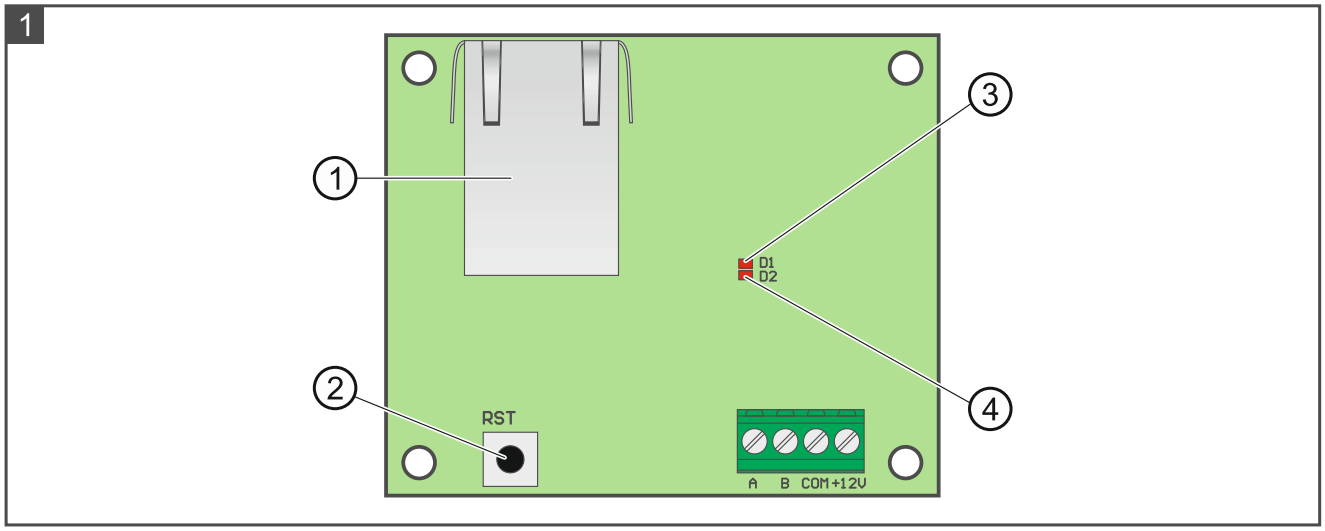
The ACSP-ETH module enables the remote preview of the fire alarm system status using a mobile device or a computer. It is an optional element of the ACSP-402 addressable fire alarm system.

1. Features

- Preview of the fire alarm system status in the VIRTUAL APSP app.
- Fire alarm system events and status notifications via e-mail messages.
- Presentation of the fire alarm system status in the INTEGRUM app.
- Capability to synchronize time with the NTP time server.
- Ethernet connection.
- RS-485 port for connecting to the ACSP-402 control panel / APSP-402 repeater panel.
- 12...18 VDC power from the ACSP-402 control panel / APSP-402 repeater panel.

2. Electronics board

1



(1) RJ-45 socket for connecting the Ethernet network (LAN). Two LEDs are provided:
green – ON when module is connected to network,
yellow – flashing during data transmission.

(2) RST button for module restart (press to restart the module).

(3) D1 LED:
OFF – no network connection,
ON – module connected to network.

(4) D2 LED:
ON – power present,
flashing – communication via module in progress.

Terminals

A, B - RS-485 port for connecting to the ACSP-402 control panel / APSP-402 repeater panel.
COM - common ground.
+12 V - 12...18 VDC power input.

3. Installation

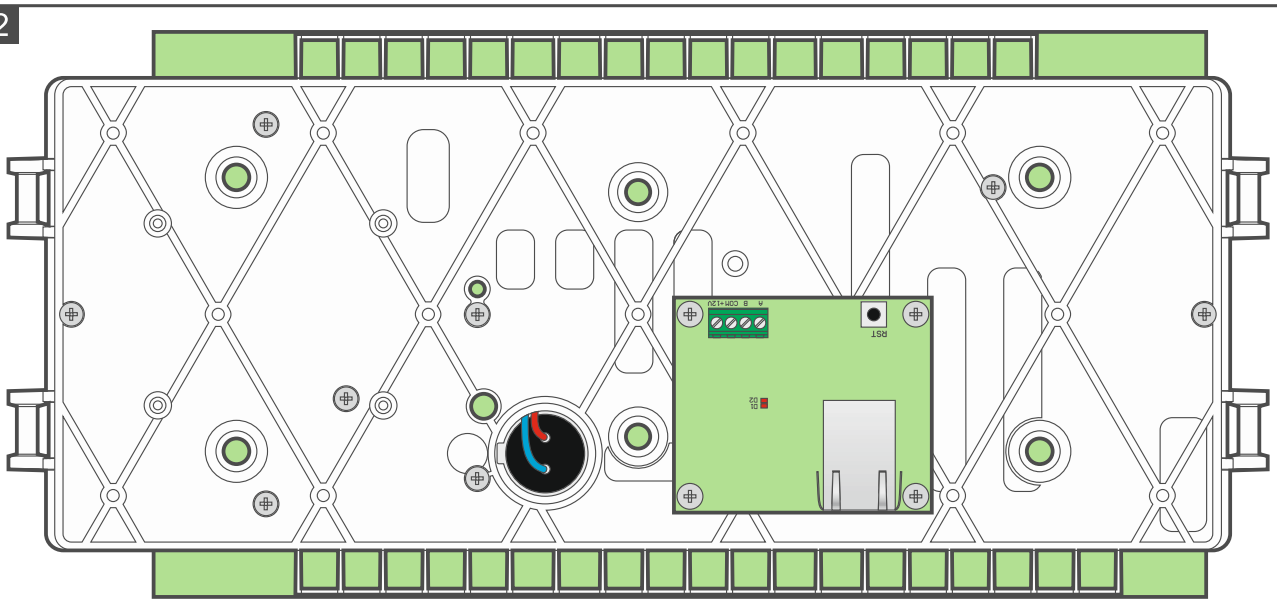
Disconnect power before making any electrical connections.

The device is designed to be used only in the local area networks (LAN). It must not be connected directly to the public computer network (MAN, WAN). For establishing connection with public networks, use a router or xDSL modem.

The module is designed for installation inside the control panel / repeater panel enclosure.

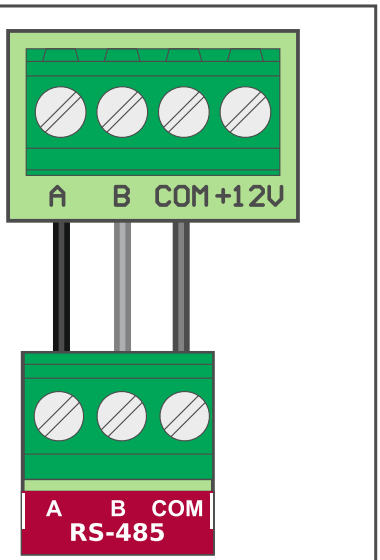
1. Remove the control panel / repeater panel mainboard module from catches.
2. Screw the ACSP-ETH module to the bottom of the control panel / repeater panel mainboard module (Fig. 2 – the control panel mainboard module is shown).

2

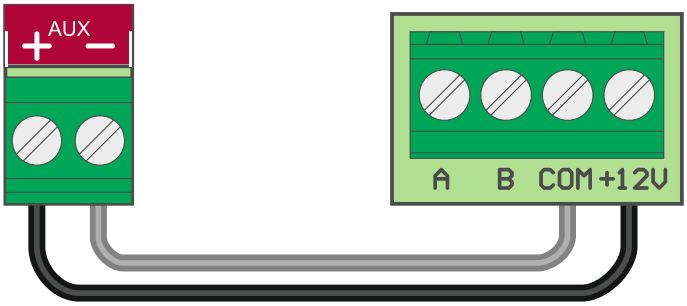


3. Connect the module to the control panel / repeater panel using the RS-485 bus (Fig. 3). Use a fire-rated cable.
4. Connect the module to the Ethernet network. Use a cable compliant with the 100Base-TX standard (identical as for connecting the computer to the network).
5. Connect power to the module (Fig. 4).
6. Mount the control panel / repeater panel mainboard module on catches.

3



4



4. Specifications

Supply voltage ..... 12...18 VDC
Current consumption ..... 35 mA
Operating temperature range ..... -10°C...+55°C
Maximum humidity ..... 93±3%
Dimensions ..... 61 x 51 mm
Weight ..... 25 g