



User Guide

protracer

8128+ | audio | outer

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preface

Please read this user manual carefully - especially our warnings on safety issues.

Please visit our website for our up-to-date user guides.

In the assembly of the device, especially the following points should be taken into consideration:

- Basic knowledge of electricity and electronics is essential.
- Necessary safety precautions and principles must be observed during installation!

preface

security warnings

Before starting the installation of the device, carefully read all of the following safety warnings and start after installation.

- During installation, apply all safety warnings completely and in the correct order.
 - Make sure that the point where you will use the device is suitable for the current voltage level. Supply voltage higher than 24V DC will cause breakdown of the device and will be out of warranty.
 - Do not use the device in chemical or other harmful environments.
 - The device should be used in dry and clean areas. Do not use it in very humid environments.
 - Protect the device from dust, moisture, heat and water.
 - Protect the device from strong vibrations and shocks.
 - Applying the device supply to a point other than the supply connection terminal of the device specified in this manual or subjecting the other connection points of the device to voltage or current above the maximum values specified in this manual will cause the device to malfunction and will be out of warranty.
 - Installation of the device to the point of use, connection to the device, disconnection and intervention operations should only be carried out by trained service and assembly personnel, when the power supply of the device is not connected.
 - The box of the device must be turned off and screwed before the power supply is connected and must not be opened while the power supply is connected.
 - The following operations should be done while the device is not energized.
 - SIM card insertion / removal
 - Connecting / removing the GSM antenna of the device
 - Connecting / disconnecting the DC and AC inputs of the device
 - Connecting / removing the cable to the cabinet card connection terminal of the device
 - The device should not be used near places where there is a risk of explosion.
 - The device must not be covered.
 - The supply voltage values determined on the power supply should never be exceeded.
- Please use the additional equipment that are permitted to be used with the device!
- Improper installation, connection, use of the device and failure to observe the attention in the user manual will invalidate the warranty guarantee.
 - Check the strength of the cables to be used. Cables that are not intact must be replaced.
 - This user manual is a part of the device you have purchased. In the event that the device in question is sold to another person or business, please also submit any documents of the device.
 - In addition to all kinds of safety warnings mentioned here, all rules of the company where the device will be used should also be taken into consideration.

safety

technical specifications

Protracer 8128+

- Fault inputs: 220V (3 pieces) 24V (4 pieces) 12V (1 piece)
- Supply input: 12V DC
- Communication cable connection: 2 pcs
- LED control and DATA cable connection: 1 piece
- GSM connection type: 2G / Edge
- GSM SIM card type: Micro SIM
- Dimensions: 105 x 98 x 24 mm
- Antenna length: 3 m
- Working Temperature: -10 ° C ~ + 50 0C ° C



Protracer Audio

- Supply input: 12V DC
- Communication cable connection: 2 pieces
- LED control cable connection: 1 piece
- The number of units that can be connected at the same time: 5 Pieces
- External intercom button input
- Dimensions: 110.5 x 40.1 x 10 mm
- Weight: 45 g



Protracer Outer

- Supply input: 12V DC
- Communication cable connection: 2 pieces
- LED control cable connection: 1 piece
- The number of units that can be connected at the same time: 5 Pieces
- Dimensions: 200 x 97 x 22 mm
- Weight: 520 g



technical

necessary equipment for installation

A SIM card with voice and internet data package *
(See page 9 for details)*

Terminal screwdriver (Straight)

Electrical insulating tape

Side chisel pliers

Digital measuring instrument (Multimeter, Avometer)

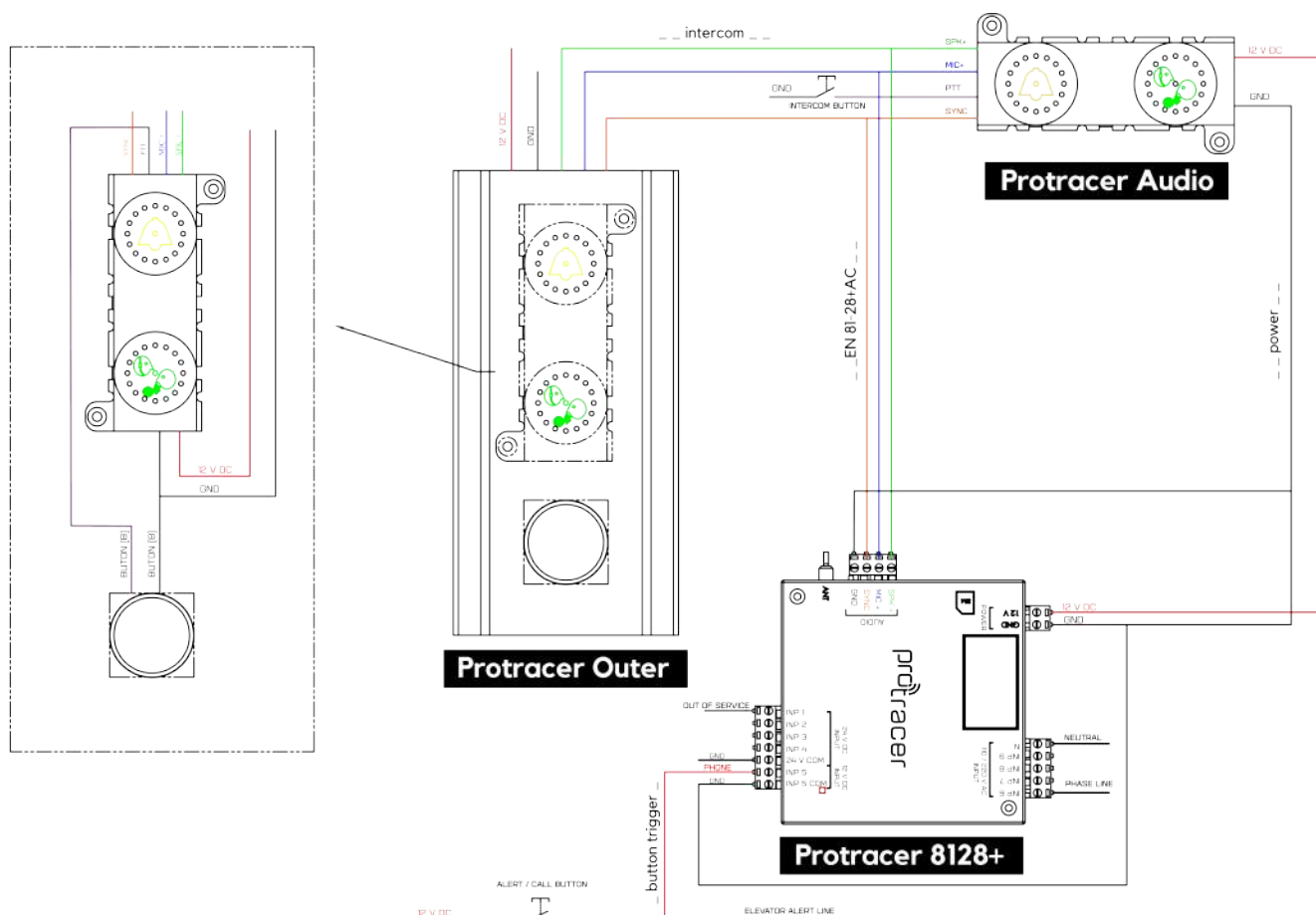
Suitable cable (Shielded cable is recommended.)

Cable end sleeve and pliers

Properly sized plastic clamp

equipment

general wiring diagram



Cables to be used in audio connections should be away from elevator AC power cables to prevent possible noise problems.

12V DC must be used to supply the Protracer Cabin Audio device.

SPK, MIC, SYNC, and GND inputs must be directly connected to the Protracer's ends with the same name.

The button to be used for telephone call must be connected to the INP5 Telephone / Alarm input of the Protracer 8128 +, through the "contact output (NO contact)", 12V DC voltage.

The INP5 COM terminal must also be connected via GND.

Protracer Audio / Outer can be added to more than one point with a parallel connection. (Well bottom, cabin top, engine room, ground floor, etc.)

Protracer Audio / Outer can work in intercom mode without the need for Protracer 8128 +.

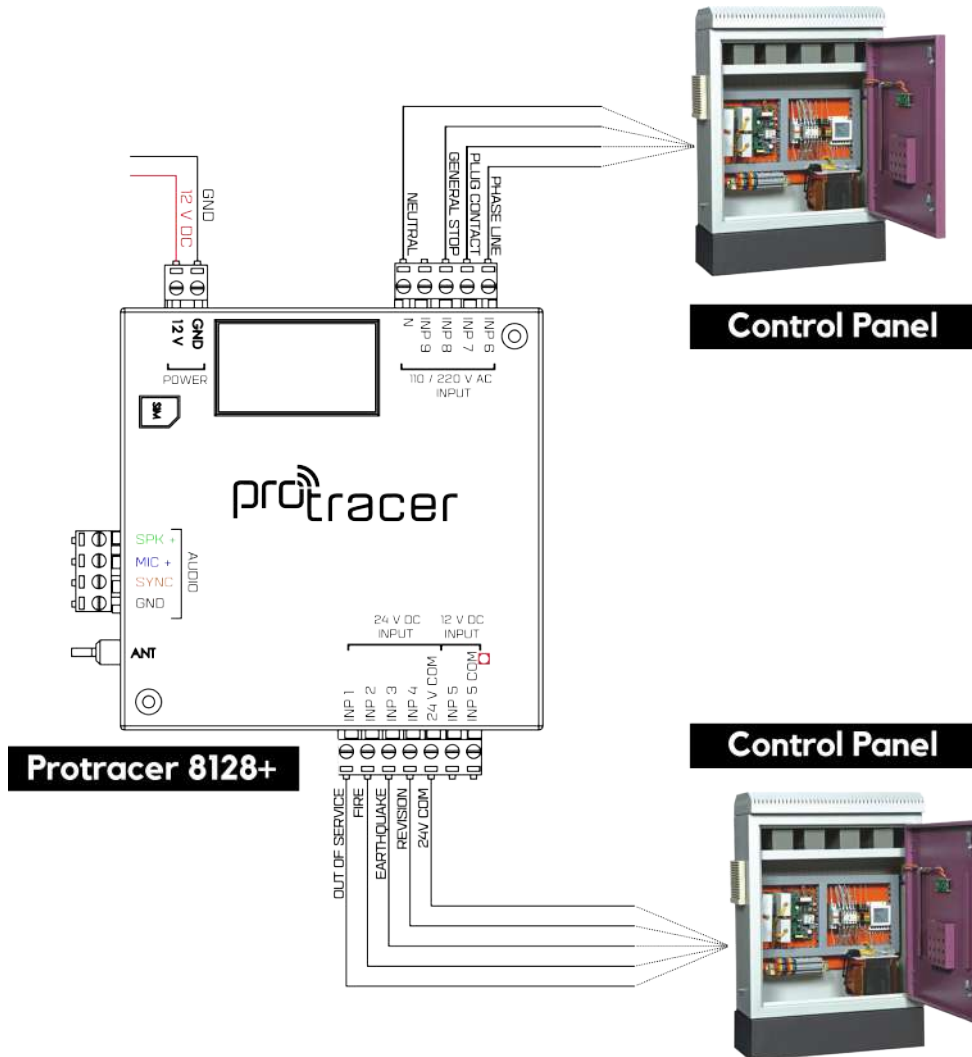
Voice intercom communication between the devices can be performed by pressing the "Telephone" button on the Audio / Outer inside the cabin, and by pressing an external button * connected to the PTT (telecom) line input of the Audio / Outer outside the cabin.

Pressing the trigger button switches to the Audio / Outer speaking mode, the other cards switch to the listening mode.

* It is sufficient to make a connection to GND from the output of the Audio / Outer card specified by PTT (telecom) via a normally open spring-loaded button.

connection

fault inputs wiring diagram



Sample:

Input	Description	Voltage level
INP 1	Out of service	24V DC
INP 2	Fire	24V DC
INP 3	Earthquake	24V DC
INP 4	Revision	24V DC
INP 5	Phone / Alarm	12V DC
INP 6	Energy Phase	220V AC
INP 7	Plug Contact	220V AC
INP 8	General Stop	220V AC

failure

Device power must be supplied through the 12V and GND inputs on the Protracer 8128 +. 12V battery or UPS can also be used for use in power failure. When the device is energized, the LED on it will blink 3 times rapidly and then it will start to blink 1 per second until the connection is established. After the connection is established, it will light once every 8 seconds. This means that the device is making network connection and other settings. When the device is ready, the LED starts to flash rapidly once in 8 seconds.

WARNING: Do not use the 24V voltage or higher voltage produced by the component on the elevator control panel, which is called the elevator main driver board.

WARNING: Use batteries or UPS for use in power cuts.

Resetting the device

In order to restart the device, the card supply terminal must be disconnected, de-energized and re-energized.

SIM card features & number update operations

Protracer 8128+ works with Micro SIM cards.

SIM card must have voice and internet data package.

Before inserting the SIM card into the device, be sure to check the calls, SMS and internet packages from your mobile phone and revoke the PIN code.

Protracer 8128+ requires a SIM card with a "Static IP" or "Real IP" address or a predefined APN (Access Point Name) for elevator monitoring

and use of other advanced functions. To create an APN, you need to contact your carrier.

SIM card slot is Push type and insert the card into the slot by pushing in the direction indicated on the device.

When the SIM card is seated in the slot, it will be locked.

To remove the SIM card, press it inwards.

In this case, the SIM card will be separated from the lock.

You can pull out the SIM card.

WARNING: Please contact us for SIM card requirements & products to be used abroad.

Number update procedures

For number identification process, the installation must be done correctly and the device must be energized.

Number update process via SMS:

From the SMS section of your mobile phone to the SIM card number inserted in the device;

In case of emergency, send the phone number you want to call in the format below.

TEL1 + Country Code + 10 Digit phone number + Asterisk symbol

(without any spaces between numbers)

Send> SIM card number inserted in device

Example: TEL100908505778823 *

You will receive a return SMS "OK TEL100908505778823". In this way,

it will be confirmed that the assignment of the first number has been successful.

If you receive a "NOK" (No OK) SMS feedback,

check the SMS sending procedure and repeat the process.

sim card

service, exchange & return transactions

10

Protracer products are guaranteed for 2 years from the invoice date. Your invoice replaces the "Warranty Certificate". A separate document is not issued.

For the problems you are experiencing, you can contact us and get technical support from our communication channels between 09:00 - 18:00 on Monday - Friday - (GMT+3)

In case our technical service demands; It is enough to send us the products, original box and content, including your company information, contact information and problem description. Delivery fee for shipping the product belongs to the sender, the return shipping fee belongs to our company if it is under warranty, if not the buyer.

For defective or non-working products, the user company representative must first contact our technical service via telephone or e-mail. If the technical service gives approval for the product to be accepted to the service, the defective / non-working product will be shipped. No action will be taken for products that our technical service does not give cargo approval and will be returned directly. For the Technical Service, a meeting must be provided before the shipment.

The controls of the products coming to the technical service will be completed and feedback will be made as soon as possible.

During the warranty period; If the problem is caused by Procube A.Ş, it will be repaired or replaced free of charge.

In case the problem is caused by the user, the repair is made with a fee within the user's approval. For return and exchange transactions, the invoice, box, packaging, standard accessories, and gifts of the product must be returned in full and undamaged within 14 days from the invoice date.

Products that are not delivered in full and without damage will not be returned or exchanged.

service

important warnings

- Protracer 8128+ and Audio / Outer energy supplies must be provided by an uninterruptible power supply such as a UPS or battery in order for the Protracer device to work in power cuts and to provide voice communication.
- The cables of the protracer device's MIC and SPK inputs that communicate with the elevator control panel (main driver) must be located away from the elevator transformer and AC power cables.
- **WARNING:** Do not use the 24V voltage or higher voltage produced by the component on the elevator control panel, which is called the elevator main driver board.
- Use batteries or UPS for use in power cuts.
- SIM card insertion / removal operations should be done while the device is not powered.
- Before making sure that the connections are made correctly, energy inputs should not be made to the devices.

thanks

Thank you for being with us on this journey that we have set out with the aim of digitizing the elevator industry since 2018.

With the developing technology and changing standards, we continue to produce new, innovative solutions and meet the needs of our valued customers.

Procube



Thank You

LET US LIFT YOU

SAFER & SMARTER

Procube Industry 4.0 Technology Systems Inc.

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