



COM 05 - Gateway



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1. FOREWORD

Dear customers,

Thank you for choosing our device.

Before operating the unit, please read carefully these installation, operating and maintenance instructions. If you have any questions, please contact: (Contact details see page 1)

The data provided in these installation, operating and maintenance instructions are for the product description only. A statement about a certain condition or a suitability for a certain application cannot be derived from our information. The information does not release the user from his own assessments and examinations.

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Any disposal such as copying and distribution rights lies with us.

2. IMPORTANT INFORMATION

This manual contains important information on the safe and appropriate assembly, transport, commissioning, operation, maintenance, disassembly and simple troubleshooting of the product.

The product has been manufactured according to the accepted rules of current technology.

There is, however, still a danger of personal injury or damage to equipment if the following general safety instructions and the warnings before the steps contained in these instructions are not complied with.

- Read these instructions completely and thoroughly before working with the product.
- Keep these instructions in a location where they are accessible to all users at all times.
- Always include the operating instructions when you pass the product on to third parties.

2.1. Provisions and regulations

When properly installed and operated, the device complies with the applicable standards and EU Directive at the time of its placing on the market.

In addition, observe generally valid, legal and other binding regulations of the European or national legislation as well as the regulations in your country for accident prevention and environmental protection.

2.2. Warranty and liability

Our devices are manufactured to the highest technical level in accordance with the generally accepted rules of technology. They are subject to constant quality controls. Because the products are being constantly developed, we reserve the right to make changes to the products at any time and without prior announcement. We assume no liability for the correctness or completeness of these installation, operating and maintenance instructions.

To ensure your warranty claims, it is imperative to provide a commissioning report and a maintenance record.

Warranty and liability claims for personal injury and property damage are excluded if they are due to one or more of the following causes:

- Improper use
- Improper mounting, commissioning, operation and maintenance
- Operating the device with defective and / or non-functional safety and protective devices
- Failure to observe the instructions regarding transportation, installation, operation and maintenance
- Unauthorized structural changes to the device
- Poor monitoring and replacement of maintenance parts
- Improperly performed repairs
- Disasters and force majeure

3. GENERAL SAFETY INSTRUCTIONS

Planners, plant engineers and operators are responsible for ensuring that the product is installed and operated correctly.

- Use our devices only in perfect technical condition.
- Check the device for obvious defects, such as cracks in the housing or missing rivets, screws, caps or other application-relevant defects.
- Only use the device in the power range specified in the technical data and on the nameplate.
- Protection against contact and being sucked in and safety distances should be provided in accordance with DIN EN 13857.
- Generally prescribed electrical and mechanical protection devices are to be provided by the client.
- Safety components must not be bypassed or put out of operation.
- The product may be operated by personnel with limited physical, sensory or mental capacities only if they are supervised or have been instructed by responsible personnel.
- Children must be kept away from the product.

3.1. Intended use

The device has been developed and designed in accordance with the EU Low Voltage Directive 2006/95/EC. It may only be operated in compliance with the EU Low Voltage Directive.

The device may only be taken into service when it is properly connected and the requirements of the EU Low Voltage Directive 2006/95/EU are fulfilled.

Observe the operating conditions and performance limits specified in the technical data.

Intended use also implies that you have fully read and understood this manual.



Improper use may result in danger to the life and limb of the user or third parties or damage to the system or other property.

3.2. Improper use

Any use of the product other than described in chapter “Intended use” is considered as improper.

The following points are improper and dangerous:

- Operation in a potentially explosive atmosphere.
- Installation outside without any protection against the weather.
- Operation in ambient conditions that require a higher degree of protection than IP55.

3.3. Personnel qualifications

Assembly, commissioning, operation, disassembly and service (including maintenance and repair) require basic mechanical and electrical knowledge, as well as knowledge of the appropriate technical terms. In order to ensure operating safety, these activities may therefore only be carried out by qualified technical personnel or a person under the direction and supervision of qualified personnel. Qualified personnel are those who can recognize possible hazards and institute the appropriate safety measures due to their professional training, knowledge, and experience, as well as their understanding of the relevant conditions pertaining to the work to be done. Qualified personnel must observe the rules relevant to the subject area.

3.4. Safety instructions in this manual

In this manual, there are safety instructions before the steps whenever there is a danger of personal injury or damage to the equipment. The measures described to avoid these hazards must be observed.

Safety instructions are set out as follows:

- | | |
|--------------------------------|---|
| Safety sign (warning triangle) | - Draws attention to the risk. |
| ● Type of risk! | - Identifies the type or source of the hazard. |
| » Consequences | - Describes what occurs when the safety instructions are not complied with. |
| → Precautions | - States how the hazard can be avoided. |

Safety sign (warning triangle)



General warning!

Indicates possible hazardous situations. Failure to observe the warnings may result in personal injury and / or damage to property.



Electricity warning (hazardous voltage)!

Indicates possible hazards due to electricity. Failure to observe the warnings may result in death, injury and/or damage to property.



Follow important information!

Instructions for safe, optimum use of the product.



- General warning
- » Failure to observe the warnings may result in personal injury and / or damage to property.
- Unauthorized repairs may cause personal injury and / or damage to property, in which case the manufacturer's guarantee or warranty will not apply.



- Electricity warning (hazardous voltage)!
- » Failure to observe the hazard may result in death, injury or damage to property.
- Before performing any work on conductive parts, always disconnect the unit completely from the electricity supply and make sure that it cannot be switched back on again.

4. ADHERE TO THE FOLLOWING INSTRUCTIONS

4.1. General instructions

- Persons who assemble, operate, disassemble or maintain our devices must not be under the influence of alcohol, drugs or pharmaceuticals that may affect perception and responsiveness.
- Responsibilities for the operation, maintenance and regulation of the product should be clearly determined and observed so that there can be no unclear areas of responsibility with regard to safety.

4.2. Indications assembly

- Disconnect all of the product's poles from the mains before installing the product or connecting or removing plugs. Make sure that the product cannot be switched back on again.
- Lay cables and lines so that they cannot be damaged and no one can trip over them.
- Information signs must not be changed or removed.

4.3. Indications Commissioning

- Make sure that all electrical connections are either used or covered. Commission the product only if it is installed completely.

4.4. Indications during operation

- Only authorized personnel is allowed to operate the setting mechanisms of the components or parts, under the provision that the system is used as intended.
- In an emergency, or if there is a fault, or other irregularities, switch the equipment off and make sure it cannot be switched back on again.
- The technical data given on the rating plate must not be exceeded.

5. PRODUCT INFORMATION

The Com05 Gateway is used to connect ruck air handling units to a cloud system.

After commissioning, the connected air handling unit can be controlled and parameterised via an app.

6. DELIVERY CONTENTS

- 1 x COM 05 gateway for connection to the ruck Cloud
- 1 x Network cable
- 1 x Assembly and Operating Manual

7. TECHNICAL DATA

- Power supply: 230V 50Hz
- Rated power: 3W
- Degree of protection: IP 20
- Operating temperature: -20°C - 50°C
- Humidity during operation: 5 -95% RH non-condensing

8. DIMENSIONS



9. TRANSPORT AND STORAGE

Transport and storage should only be performed by specialist personnel in accordance with the assembly and operating manual and regulations in force.

The following points should be noted and followed:

- Check the delivery according to the delivery note to ensure it is complete and correct and check for any damage. Any missing quantities or damage incurred during transport should be confirmed by the carrier. No liability is accepted if this is not observed.
- Avoid damage or deformation of the housing.
- The product must be stored in a dry area and protected from the weather in the original packaging. Open pallets should be covered with tarpaulins. Even weatherproof modules should be covered because their weather resistance is only guaranteed after complete installation. If moisture has penetrated into the original packaging, remove it immediately.
- Storage temperature between +5 °C and +40 °C. Avoid severe temperature fluctuations.

10. ASSEMBLY

Assembly work may only be performed by specialist personnel in accordance with the installation and operating manual and the regulations and standards in force.

The following points should be noted and followed:

- Installation accessories should be provided by the client.
- Only suitable installation aids, in accordance with regulations, should be used.
- The device must be installed in such a way that it is easily accessible for maintenance and cleaning purposes.
- The unit should only be installed with authorized and suitable fastening materials at all fastening points.
- Do not distort the unit when installing.
- Just use the indicated mounting and fixing places. No holes should be made in the housing or any screws screwed into it.

11. ELECTRICAL CONNECTION



- Electricity warning (hazardous voltage)!
 - » Failure to observe the hazard may result in death, injury or damage to property.
 - Before performing any work on conductive parts, always disconnect the unit completely from the electricity supply and make sure that it cannot be switched back on again.

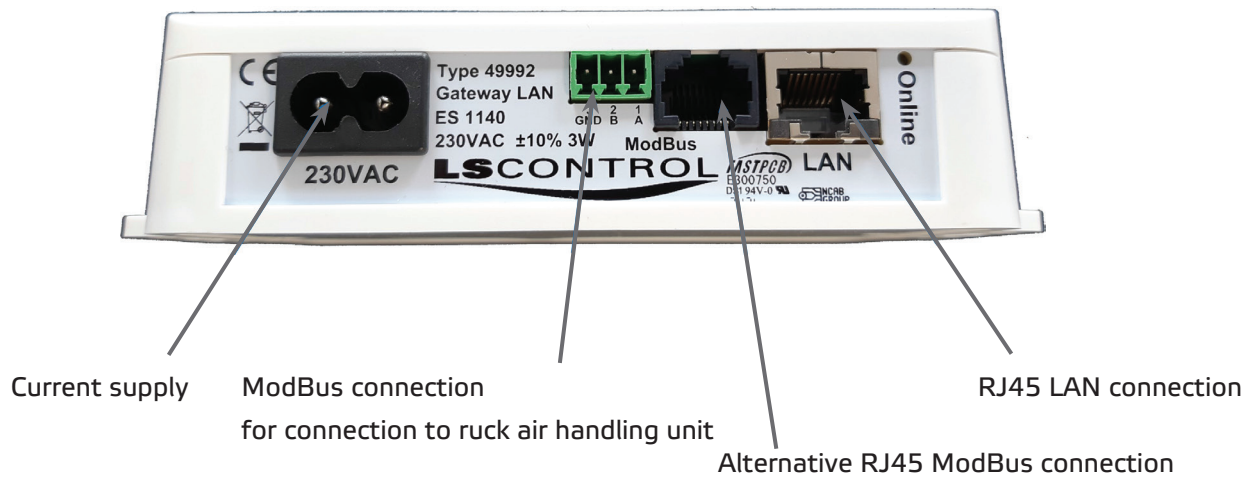
The electrical installation may only be carried out by qualified electricians in compliance with the installation, operating and maintenance instructions and the applicable national regulations, standards and guidelines:

- ISO, DIN, EN and VDE specifications, including all safety requirements.
- Technical connection conditions.
- Safety at work and accident prevention requirements.

This list does not claim to be complete.

Requirements should be applied under one's own personal responsibility.

- The electrical connections must be made as shown in the corresponding wiring diagrams and terminal diagrams.
- The type of cable, size of cable and method of laying should be determined by an authorized electrician.
- Low and extra-low voltage cables should be laid separately.
- An all-pole mains disconnection device with at least 3 mm contact gap must be provided in the supply line.



Pin used in the alternative RJ45 ModBus connection

- 1: GND (T-568A: green/white, T-568B: orange/white)
- 2 & 3 : Not used
- 4: A (T-568A & T568B: blue)
- 5: B (T-568A & T568B: blue/white)
- 6, 7 & 8: Not used

12. COMMISSIONING

Once the gateway has been correctly connected electrically, it can be put into operation. As soon as the gateway and the device to be controlled are started, a connection to the cloud server is automatically established. As soon as this connection is established, this is signalled by a permanently lit LED („Online“).

12.1. Create user account

Your contact details and a valid e-mail address are required to create a user account. Please send this information to service@ruck.eu. You will then receive a reply with your access data. As authorisation is manual, it may take some time to create the user account.

Important: Please change your initial password after the first login.

12.2. Install app

You can download the ruck app free of charge from the Android and iOS app stores and install it on your mobile device. After starting it, you must log in with your login details.

12.3. Assign devices

To ensure that the correct devices are assigned to your user account, please send a picture of the serial number of the gateway and a picture of the rating plate of the connected ventilation device to service@ruck.eu. The device will then be assigned to your user account.

13. OPERATION

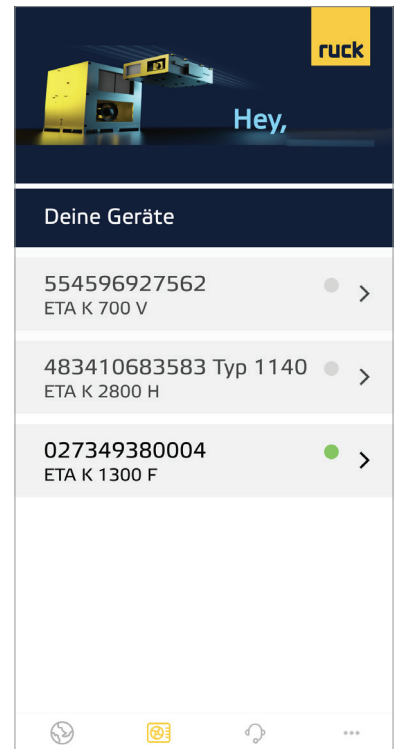
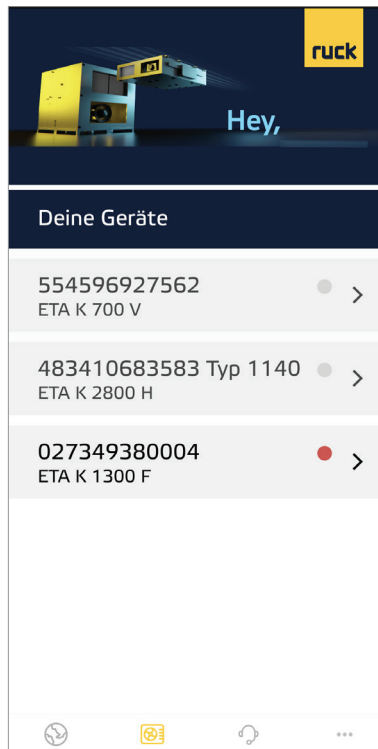
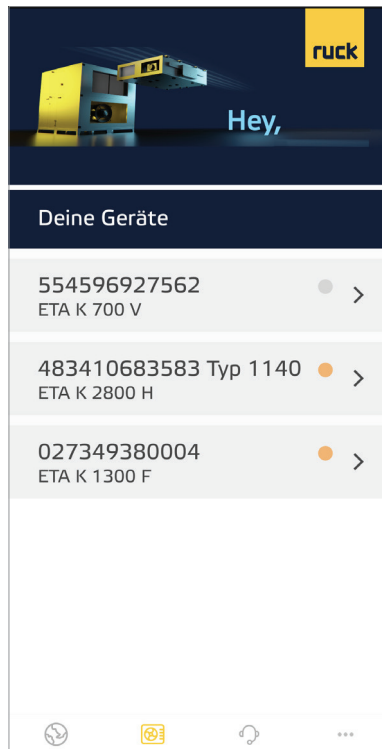
13.1. App

After starting the app, all devices assigned to your user account are displayed in an overview.

13.1.1. Overview

All available devices are displayed on the start page.

- Yellow → Device assigned, status is being called up
- Grey → Device assigned but offline
- Red → Device assigned and online, currently in standby mode
- Green → Device assigned, online and in operation



13.1.2. Devices

To obtain details on the individual devices, click on them. The details page then opens, which is modelled on the operation via the standard display.

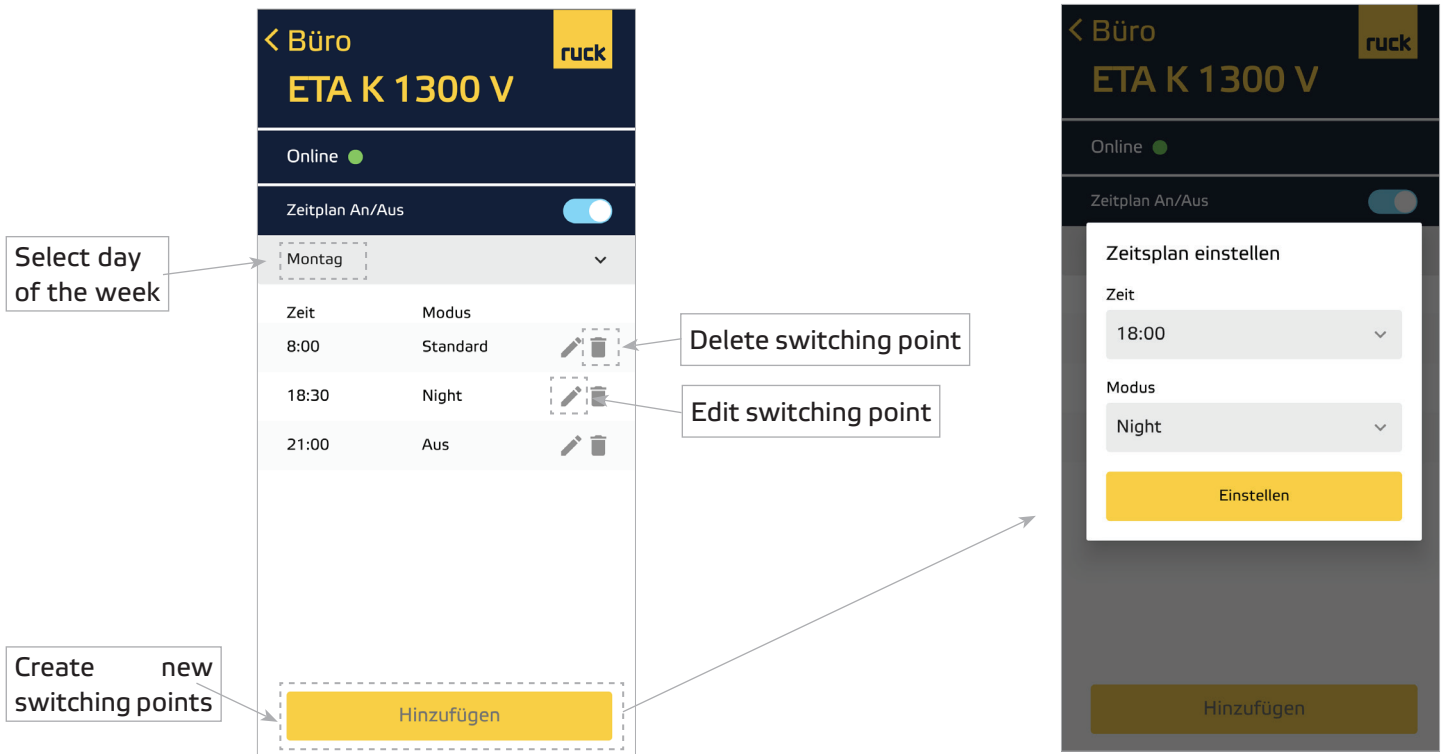
The screenshot shows the Ruck app interface for a device named 'Büro ETA K 1300 V'. The interface includes a top header with a back arrow, the device name, and the Ruck logo. Below this is a status bar showing 'Online' with a green dot. The main control area features a toggle switch for 'Ein / Aus', a target temperature 'Zieltemperatur' of 14.0 °C with a slider, and a mode selector 'Modus' set to 'Eco'. A 'Gerätedaten' (Device Data) button is located below the mode selector. The device data section displays a list of key metrics: Ablufttemperatur (24.2 °C), Außenlufttemperatur (4.1 °C), Feuchte (31.5 %), Raumtemperatur (21.1 °C), and Volumenstrom Abluft (689 m³/h). Callouts on the right side of the image identify specific UI elements: 'Device settings' (gear icon), 'Schedule settings' (clock icon), 'Device on / off' (toggle switch), 'Slider for setting the temperature in the current mode' (temperature slider), 'Selection of the operating mode and setting of the individual modes' (mode selector), 'Call up all appliance data' (Gerätedaten button), and 'Display of the most important appliance data' (device data list).

13.1.3. Settings

The screenshot shows the Ruck app interface for a device named '027349380004 ETA K 1300 F'. The interface includes a top header with a back arrow, the device name, and the Ruck logo. Below this is a status bar showing 'Online' with a green dot and a gear icon for settings. The main settings menu lists the following options: Grundeinstellungen, Heizen, Kühlen, Ventilatoren, Funktionen, Wartung, Kommunikation, and Modus. Each option has a right-pointing arrow indicating it can be expanded.

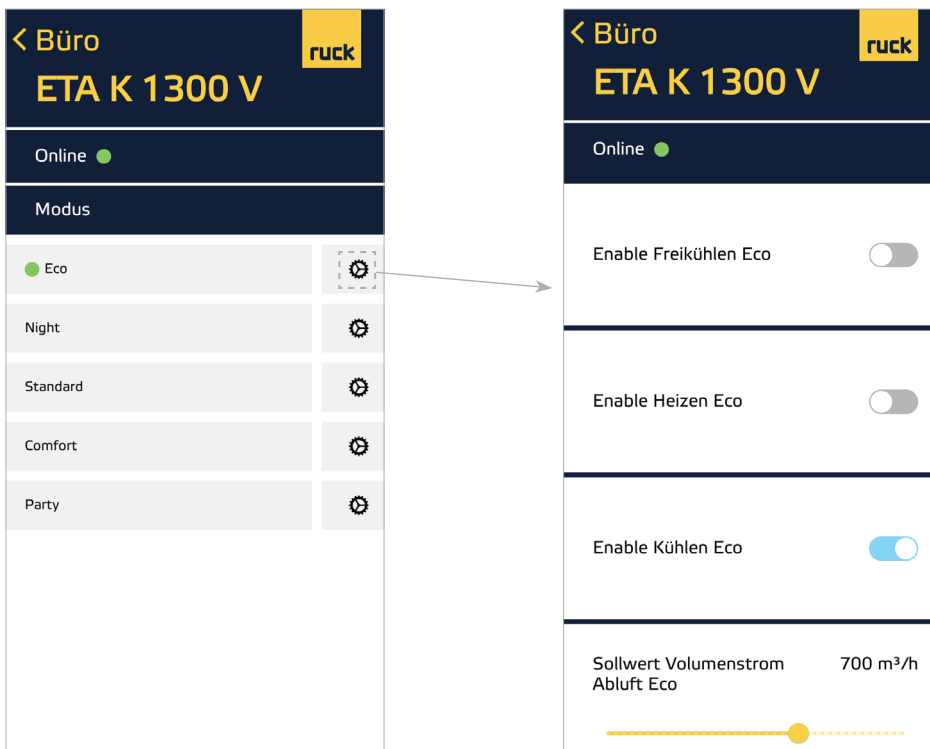
This is the overview page with all relevant settings. Details can be found in the operating instructions for the air handling unit.

13.1.4. Schedule settings



The settings for the schedules can be made on this page. Up to 6 switching times can be set for each day of the week.

13.1.5. ModBus



14. EXPANSION AND RECONFIGURATION

The unit must not be reconfigured.

The warranty only applies to the configuration delivered.

The warranty will cease to apply after any reconfiguration or expansion.

15. DISMANTLING AND DISPOSAL

15.1. Disassembling the product

Observe the safety instructions when decommissioning and dismantling.

15.2. Disposal

Careless disposal of the unit may cause pollution.

Please therefore dispose of the unit in accordance with the national requirements that apply in your country.

16. TROUBLESHOOTING

LEDs on the network socket do not light up: No network connection available or no power supply

Online LED does not light up: No connection to the cloud. Please check the internet connection.



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