

**ComBridge NCI**

**Order Nr.: 3622-141-07**

## Instruction Manual

The ComBridge Net Communication Interface offers an easy and comfortable opportunity to parameter the KNX/EIB installation with ETS 3/4 (KNXnet/IP tunnel protocol).

In addition, an object server connection is supported for communication with the ComBridge Studio Evolution visualization. This connection can be made and sustained parallel to an ETS tunnel connection.

In this way the visualisation will not be disconnected during ETS programming.

This results in two different possibilities of application:

- Parameterization of an EIB/KNX installation via Ethernet with ETS 3/4
- Connection to ComBridge Studio Evolution visualisation systems.



## Device types and accessories

The following type of devices of the Combridge Web Communication Interface gateway product group are currently available:  
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## Scope of delivery

The following components come together with the ComBridge NCI:  
Compleat unit with connected Bus connection (KNX, black/red) and Bus connection (24 V supply, white/yellow),  
Operating and mounting instructions

## Application programs

The following software application are currently available:  
*3622-NetInterface-01-0110*; Application program function, see. Application program description

## Installation advice

- The device must only be installed and commissioned by an accredited electrical engineer!
- The prevailing safety rules must be heeded.
- The device is intended for interior installation in dry rooms.
- During the installation the device must be switched off.
- Do not open the device! Faulty devices must be returned to the manufacturer.
- Please follow country-specific safety and accident prevention rules as well as all current KNX guidelines.

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## Technical Specifications

### Power Supply

- from external SELV power supply AC/DC 24V nominal, permissible input voltage range: AC/DC 12 ... 30 V
- In addition via **KNX** bus, SELV 24V

### Connectors

- Bus connector: **KNX** bus connector (black/red)
- 24 VDC connector (white/yellow)
- Ethernet: RJ-45 plug 100MB/s

### Control elements

- Programming Button to toggle between normal and addressing mode

### Display elements

- LED red: Indicates normal/addressing mode
- LK-LED green: Signals device Ethernet readiness
- LA-LED green: Signals communication activity status

### Ethernet

- IP-connection via Ethernet, speed 100 Mbit / second
- IP address allocation via DHCP service or fixed IP address

### Mechanical data

- Plastic ABS – V0
- Dimensions REG casing 4TE:
  - Width: 72mm
  - Height: 55mm
  - Length: 86mm
- Weight 150 g
- Mounting: 35mm DIN rail

### Electrical safety

- Pollution class (in accordance with EN60664-1): 2
- Protection type (in accordance with EN 60529): IP20
- Protection class (according to IEC 1140) I
- Overvoltage category: III
- KNX Bus: Separated extra-low voltage SELV DC 24 V

### EMC requirements

Complies with EN 50090-2-2 und EN 61000-6-2:2005, EN 61000-6-3:2007

### Environmental conditions

- Weather resistance: EN 50090-2-2,
- Environmental conditions during operation: -5°C to +45°C
- Storage temperature: -25°C to +70°C
- Rel. humidity (non condensing): 5 % to 93 %

### Approbation

EIB/KNX registered

### CE-Signage

According to EMC-Guidelines (Residential and commercial buildings), Low Voltage guidelines

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## Location and function of the display and control elements

- A1: DC 24 V bus connector terminal (white-yellow)
- A2: KNX bus connector terminal (black-red)
- A3: Ethernet RJ45 socket
- A4: KNX programming LED
- A5: KNX learning button
- A10: Error LED
- A11: Ethernet Activity+Communication LED

