

## ComBridge NCI

Best. 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 (EIBnet/IP tunnel protocol). In addition, an object server connection is supported for communication with the ComBridge Studio visualization software. 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.

Diferent applications are posible:

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



### Types of Devices and Accessories

The following type of devices of the Combridge Web Communication Interface gateway product group are currently available:  
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### Component of the supplied package

The following components come together with the ComBridge NCI:  
Compleat unit, incl. Battery and Bus connection (EIB, black/red) and Bus connection (24 V supply, Yellow/white)  
Notice- and assemble instruction manual

### Software Applications

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

### Installation instructions

- The device must be mounted and commissioned by an authorised electrician.
- The prevailing safety rules must be heeded.
- The device may be used for permanent interior intallations in dry locations.
- During the installation the device must be switched off.
- The device must not be opened. Defective devices are to be sent back to the manufacturer.
- For planning and construction of electric installations the relevant guidelines,regulations and standards of the respective country are to be considered.

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## Technical Specifications

### Power supply

- Bus voltage: via EIB bus line
- Operating voltage:  
from external SELV power supply AC/DC 24V nominal,  
permissible input voltage range:  
AC/DC 12 ... 30 V
- Recommended power supplies:
  - DC 24V (before choke) from EIB power supplies N121, N122, N125/21
  - door bell transformer 4AC2 102, AC 230V / AC 12V (primary / secondary), 1,33A, 2SU width
  - door bell transformer 4AC2 105, AC 230V / AC 12V (primary / secondary), 1,33A, 2SU width

### Control Elements

- 1 Learning button: for switching between Normal operating mode and Addressing mode.

### Display Elements

- LED red for monitoring bus voltage and displaying mode, selected with the learning button
- LK-LED green to show ethernet connection
- LA-LED green to show communication on the ethernet link

### Connections

- bus line:  
screwless bus connection block (red-black)  
0,6...0,8 mm Ø single core  
remove approx. 5mm of isolation
- Ethernet / IP network: RJ45 socket
- auxiliary power:  
screwless extra low voltage terminal (yellow-white)  
Ø 0,6 ... 0,8 mm Ø single core  
remove approx. 5mm of isolation

### Physical specifications

- Housing: Plastic LEXAN UL-94-V0
  - Dimensions REG Housings 4TE:
    - Width: 70 mm
    - Height: 55 mm
    - Length: 86 mm
  - Weight: 150 g
- DIN-rail mounted device

### Electrical safety

- Degree of Pollution(according to IEC 60664-1):2
- Protection (according to EN 60529): IP20
- Safety class: (according to IEC 1140) I
- Overvoltage class(according to IEC 60664-1): III

### EMV-Requirements

Complies with EN 50081-1 and EN 50082-2,  
EN 50090-2-2

### Environmental specifications

- Climatic conditions: EN 50090-2-2,
- Ambient temperature operating: 0°C to +45°C
- storage temperature non-op: -25°C to +70°C
- Relative humidity (non-condensing): 5 % to 93 %

### Markings

EIB/KNX,CE

### CE mark

Complies with EMC regulations (residential and functional buildings), and Low-voltage regulations

## Location and function of the Display and Operator Elements

- A1: AC/DC 24 V bus connector terminal (yellow-white)
- A2: EIB bus connector terminal (black-red)
- A3: Ethernet RJ45 socket
- A4: EIB programming LED
- A5: EIB learning button
- A10: Ethernet Link LED
- A11: Ethernet Activity LED

