

## ComBridge WCI

Best. Nr.: 3622-141-08

### Instruction Manual

The ComBridge Web Control Interface contains a web server for the control and monitoring of EIB/KNX systems. A standard web browser can be used for the control.

An object server connection is supported for communication with the ComBridge Studio visualization software. An EIBnet/IP tunnel connection for parameterization with ETS 3 is also available. This results in three different possibilities of application:

- Parameterization of an EIB/KNX installation via Ethernet with ETS 3
- Clear and concise visualisation of up to 40 functions via integrated web server
- 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 WCI:  
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-WebInterface-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

