

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

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 installations 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

