KNX IP BAOS 772   EN

Interface and ObjectServer between LAN and EIB/KNX-Bus

Data sheet

Application area

The KNX IP BAOS 772 is used as interface to connect to KNX/EIB both on telegram level (KNXnet/IP Tunnelling) and on data-point level (KNX Application Layer) with up to 1000 comm.-objects. BAOS stands for "Bus Access and Object Server". The connection is made through LAN (IP).

Figure 1: Photo of device

The Object Server can be accessed through TCP/IP or UDP/IP via the KNX Binary Protocol V2.0. Alternatively, the Object Server can be accessed through Web Services based on Java Script Object Notation (JSON).
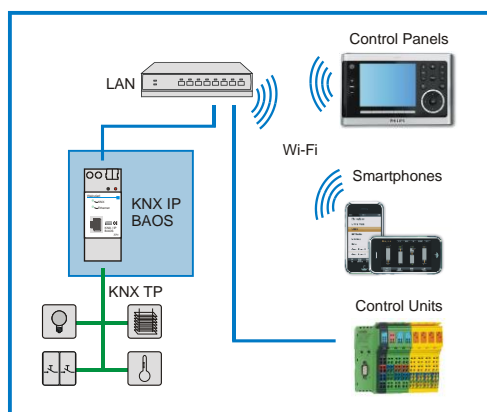

Figure 2: Typical application

Weinzierl Engineering GmbH
D-84558 Tyrlaching
Web: www.weinzierl.de

Technical data

Electrical safety

- Protection (EN 60529): IP 20
- Safety extra low voltage SELV DC 24 V

EMC requirements

- Complies EN 61000-6-2, EN 61000-6-3 and EN 50090-2-2
- Complies with the EMC regulations (residential and functional buildings) and low voltage directive

Environmental requirements

- Ambient temp. operating: - 5 ... + 45 °C
- Ambient temp. Non-op.: - 25 ... + 70 °C
- Rel. humidity (non-condensing): 5 % … 93 %

Certification

- EIB / KNX

Physical specifications

- Housing: Plastic
- Rail mounted device, depth 2 units
- Weight: approx. 100 g
- Fire load: approx. 1000 kJ

Operating controls

- Learning key for EIB/KNX

Indicators

- Learning-LED (red)
- Signal-LED (green) for EIB/KNX
- Signal-LED (green) for LAN

KNX

- 1000 communication objects

Ethernet

- 10BaseT (10Mbit/s)
- Supported internet protocols ARP, ICMP, IGMP, UDP/IP, TCP/IP, DHCP and Auto IP
- KNX BAOS Binary Protocol V2.0
- KNX BAOS Web Services (JSON)

Power supply

- External supply 12-24V AC / 12-30V DC
- Alternative: „Power over Ethernet"
- Power consumption: < 800 mW

Connectors

- EIB/KNX connection terminal
- LAN RJ-45 socket
- Screw connector for power supply