

# KNX IP BAOS 770

## Interface and ObjectServer between LAN and EIB/KNX-Bus

### Application area

The KNX IP BAOS 770 is used as interface to connect to KNX/EIB both on telegram level (KNXnet/IP Tunnelling) and on data-point level (KNX Application Layer). BAOS stands for "Bus Access and Object Server". The connection is made through LAN (IP). The IP Address can be obtained by a DHCP server or by manually configuration (ETS) respectively. As Interface the device works according to the KNXnet/IP specification.



Figure 1: Photo of device

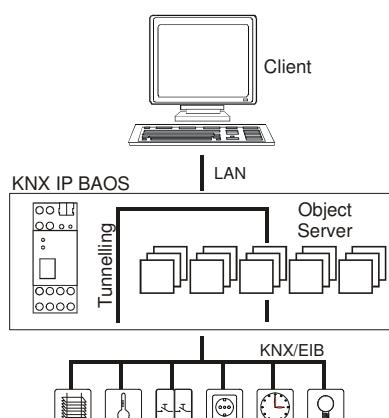


Figure 2: Typical application



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### Technical data

#### Electrical safety

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

#### EMV requirements

- Complies EN 61000-6-2, EN 61000-6-3 and EN 50090-2-2

#### Environmental requirements

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

#### Certification

- EIB / KNX

#### CE norm

- Complies with the EMC regulations (residential and functional buildings) and low voltage directive

#### 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

#### Ethernet

- 10BaseT (10Mbit/s)
- Supported internet protocols ARP, ICMP, IGMP, UDP/IP and DHCP

#### 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