

Data sheet

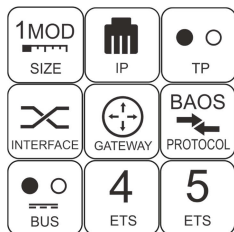
## KNX IP BAOS 774

(Art. # 5263)

Compact bus powered Interface and ObjectServer between LAN and KNX-Bus



Photo of the device



### Application area

The KNX IP BAOS 774 is used as Interface for connecting to KNX both on telegram level (KNXnet/IP Tunneling) and on data point level (KNX Application Layer). Clients can directly access Group Objects via either a Binary Protocol (over TCP/IP or UDP/IP) or via JSON (Java Script Object Notation) Web Services.

The device is configured with the ETS and supports up to 1000 Group Objects. 10 simultaneous client connections are supported.

BAOS is an acronym for “Bus Access and Object Server”. It is possible to connect to the KNX bus everywhere over LAN. Bus connection over the internet with KNX IP BAOS 774 is also possible. The device supports 5 simultaneous KNXnet/IP tunneling connections.

The buttons are for diagnostic purposes. The LEDs indicate the operating status and communication errors on the bus. Power is supplied via the KNX bus.

### Technical Specification

#### Electrical safety

- Protection (acc. EN 60529): IP 20
- Bus safety extra low voltage SELV DC 29 V

#### CE marking according to

- Low voltage directive 2014 / 35 / EU
- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 50491-3: 2009, EN 50491-5-1: 2010, EN 50491-5-2: 2010, EN 50491-5-3: 2010
- EN 61000-6-2: 2005, EN 61000-6-3: 2007 + A1: 2011
- EN 50581: 2012

#### Environmental requirements

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

#### Mechanical data

- Housing: plastic (PC)
- DIN rail mounted device, width: 1 units (18 mm)
- Weight: approx. 40 g

#### Controls and indicators

- 2 buttons and 3 LEDs, multicolor
- KNX programming button with LED (RD)

#### Ethernet

- 10BaseT (10Mbit/s)
- Supported internet protocols ARP, ICMP, IGMP, UDP/IP, TCP/IP, DHCP and Auto IP
- Up to 5 KNXnet/IP Tunneling connections simultaneously
- KNX BAOS Binary Protocol V2.0
- KNX BAOS Web Services (JSON)

#### KNX

- Medium TP

#### Power Supply


- KNX Bus approx. 15 mA

#### Connectors

- Bus connector for KNX (RD / BK)
- LAN RJ-45 socket

### Installation Instructions

- The device may be used for permanent interior installations in dry locations, within distribution boards or small casings with DIN rail.



**WARNING**

- The device must be mounted and commissioned by an authorized electrician.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- 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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