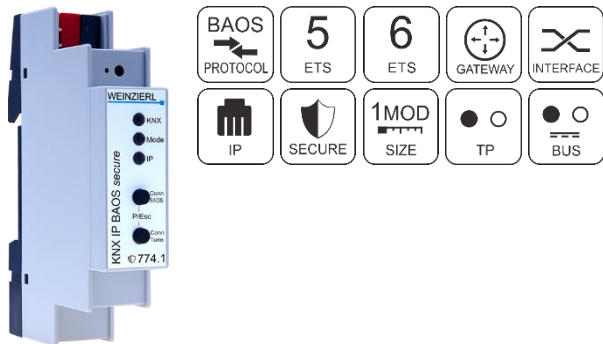


## Data sheet

**KNX IP BAOS 774.1 *secure***

KNX IP interface and object server



(Art. # 5475)

**Application area**

The KNX IP BAOS 774.1 *secure* is used as Interface for connecting to KNX both on telegram level (KNXnet/IP Tunneling) and on datapoint level (KNX Application Layer). Clients can directly access group objects over TCP/IP via a binary protocol.

The device is configured with the ETS and supports up to 1000 group objects. 10 simultaneous client connections are supported via the BAOS protocol.

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 774.1 *secure* is also possible.

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. The device supports KNX Security and BAOS Security.

**Technical Specification**

## Electrical safety



- Protection (acc. EN 60529): IP20

## CE marking according to

- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 63044-3: 2018
- EN 63044-5-1: 2019
- EN 63044-5-2: 2019
- EN 63044-5-3: 2019
- EN 61000-6-2: 2019
- EN 61000-6-3: 2021
- EN 63000: 2018

## 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
- 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 (red)

## Ethernet

- 100BaseT (100MBit/s)
- Supported internet protocols ARP, ICMP, IGMP, UDP/IP, TCP/IP, DHCP and Auto IP
- Up to 8 KNXnet/IP Tunneling connections simultaneously
- Up to 10 connections simultaneously via BAOS
- KNX BAOS Binary Protocol V2.0 with Security

## KNX

- Medium TP
- KNX Security (AES-128)
- Interface protocol: cEMI
- Max. APDU length: 55
- Object Server: BAOS V2 *secure*
- Device model: System B

## Power supply

- KNX Bus approx. 20 mA

## Connectors

- Bus connector for KNX (red / black)
- LAN RJ-45 socket

**Installation Instructions**

- The device may be used for permanent interior installations in dry locations, within distribution boards 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.

Product database for ETS 5/6  
[www.weinzierl.de/en/products/774.1/ets6](http://www.weinzierl.de/en/products/774.1/ets6)  
**Manual**  
[www.weinzierl.de/en/products/774.1/manual](http://www.weinzierl.de/en/products/774.1/manual)  
**CE Declaration**  
[www.weinzierl.de/en/products/774.1/ce-declaration](http://www.weinzierl.de/en/products/774.1/ce-declaration)

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