

KNX IP BAOS 772

Operating and installation manual

EN

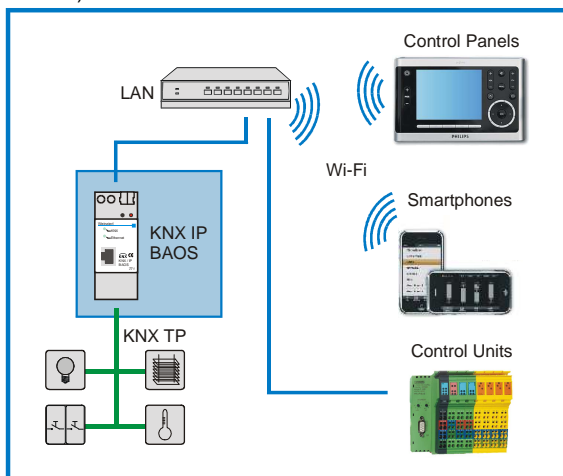


Purpose

The KNX IP BAOS 772 is used as Interface for connecting to KNX/EIB 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 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 KNX/EIB-Bus everywhere over LAN. Bus connection over the internet with KNX IP BAOS 772 is also possible. The device supports 5 simultaneous KNXnet/IP tunneling connections.

There are two ways to assign an IP-address to the KNX IP BAOS 772: get the IP-address from a DHCP-server or configure it with the ETS (as ETS parameter). It requires an external 12 V to 24 V power supply (AC or DC) or can alternatively be powered via Power-over-Ethernet (IEEE 802.3af).

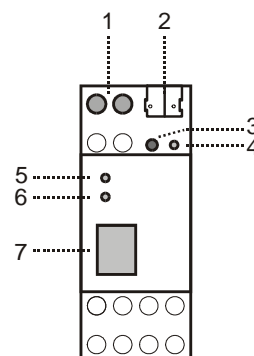


Object Server

Access to the Object Server is possible via a Binary Protocol or via Web Services. Protocol descriptions can be downloaded at the KNX IP BAOS 772 product site at www.weinzierl.de. A C++ SDK (released under the BOOST software license) is available which provides an implementation of the Binary Protocol for TCP/IP.

Installation and Connection

The KNX IP BAOS 772 is designed for installation on DIN rail with a width of 2 units (36 mm). It has the following display and control elements:



- 1: Connector for external power supply (12 V to 24 V AC or 12 V to 30V DC)
- 2: Connector for KNX/EIB with a bus terminal
- 3: Learn key
- 4: Learn LED (red)
- 5: LED (green):
 - Lights up to indicate bus voltage on KNX/EIB
 - Flashes to indicate telegram traffic
- 6: LED (green):
 - Lights up to indicate Ethernet connection
 - Flashes to indicate telegram traffic
- 7: RJ 45 socket for connecting an Ethernet patch cable

An external power supply only needs to be connected if the switch in use does not support Power-over-Ethernet.



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