



BAB
TECHNOLOGIE



DICTIONARY

ASCII – KNX®

DICTIONARY

ASCII – KNX®



BAB-Technologie GmbH
Königsplatz 1
44139 Datteln

KNXEASY

PARLEZ VOUS ASCII?

KNXEASY

PARLEZ VOUS ASCII?



The **KNXEASY** converts KNX® telegrams to ASCII code and vice-versa. The connection of third-party applications is very easy with its help. The device transmits the data both via TCP and UDP. Thanks to the simple structure of the **KNXEASY** protocol, (ASCII commands), its integration is as simple as conceivably possible. A KNX/TP connection as well as a KNXnet/IP server of high value ensure the connection to KNX®. The number of data points is unlimited. The values of all group addresses are stored in an address status table. Different KNX environments with the same group addresses can be distinguished using a system ID. Thanks to the use of the identifier and data types, the upload of the ETS4 project data simplifies the creation of the ASCII commands. Additionally, the **KNXEASY** can also be used as a programming interface for the ETS. It is configured using a web interface and is platform-any.

TECHNOLOGY WHICH FASCINATES ALL ADVANTAGES IN DETAIL

TRANSLATOR

The **KNXEASY** “translates” the KNX telegrams to a simple ASCII protocol (**KNXEASY** protocol) and vice-versa. This enables the connection of non-KNX systems without detailed knowledge of the KNX protocol. TCP or UDP can be used.

SIMPLE

ASCII is one of the best-known and most widely used character codes. It is used by the **KNXEASY** protocol to simplify controlling KNX® systems. Instead of having to implement the full KNX protocol, the ETS4 project export is applied by the user, simply with the corresponding identifiers.

UNLIMITED

Due to the unlimited number of data points, the **KNXEASY** can easily be used for large projects. Moreover, the **KNXEASY** can both be placed directly on the KNX line (KNX/TP interface) and also on the TCP/IP-based main line or area line (KNXnet/IP server integrated).

SYNERGY

The **KNXEASY** can be used to link the advantages of various systems in a simple manner. The connection of two worlds thus creates added value for the customer.

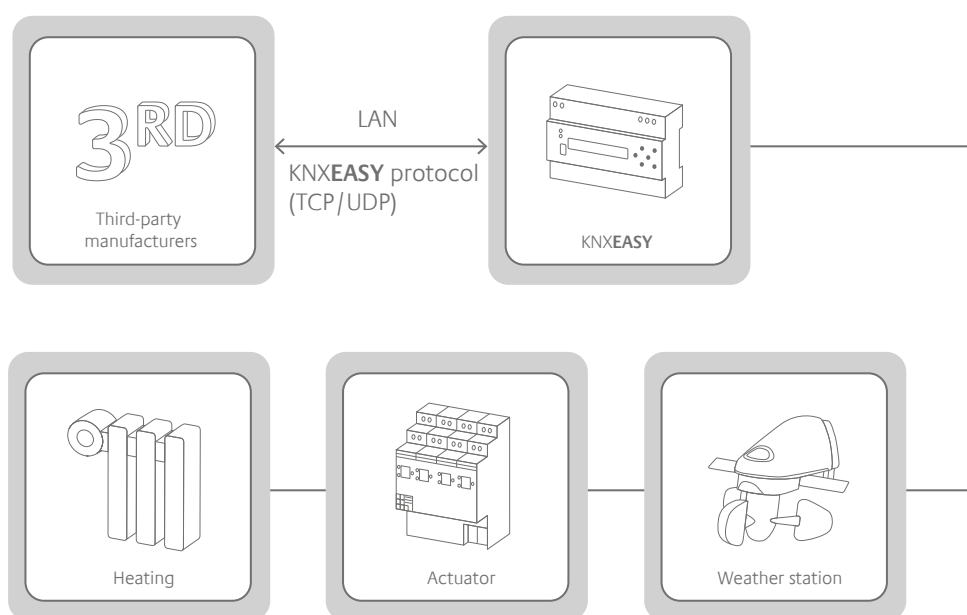
COUPLER

The **KNXEASY** is also used as an IP router and programming interface for the ETS. In this manner, it combines two functions in a single device.

PRODUCT APPLICATION

THE KNXEASY IN USE

KNXEASY – KNX/TP

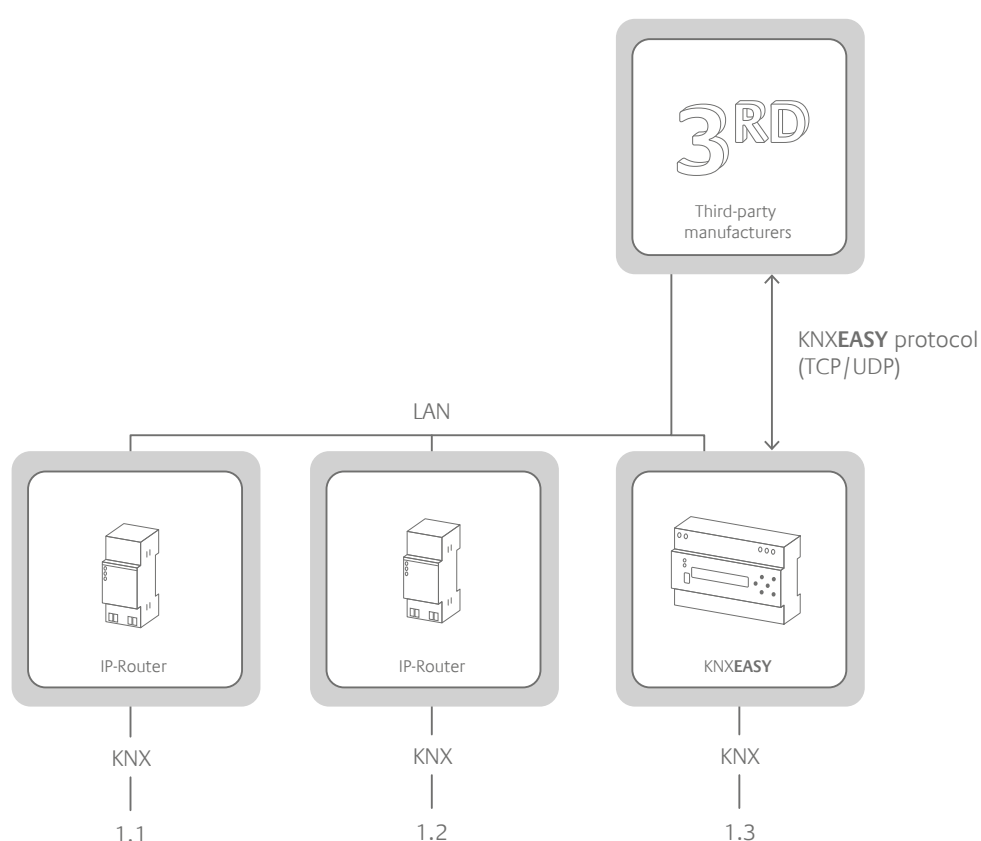


KNXEASY is connected to the twisted pair bus as a further KNX participant. The third-party application communicates via the network (TCP or UDP) bidirectionally with KNXEASY after the KINXEASY protocol is implemented. This provides the third-party application full access to the KNX system and vice-versa.

PRODUCT APPLICATION

THE KNXEASY IN USE

KNXEASY – KNXNET/IP



In larger installations, the **KNXEASY** replaces an IP router with the integrated KNXnet/IP server. Using the **KNXEASY** protocol, party applications are connected bidirectionally to the entire system. Therefore, the advantages of both worlds are ideally linked with just a little extra work.

OVERVIEW

TECHNICAL DATA

- Operating voltage: 12 – 32V DC
- Typical power input 400mA at 12V DC
- Power input: ≤ 5W
- Connection: Power over Ethernet (PoE) or power supply via pluggable screw terminal
- Environmental conditions: EN 50090-2-2
- Ambient temperature: –5 to +35°C
- Storage temperature: –10 to +60°C
- Relative humidity (non-condensing): 5% to 80%

Mechanical data:

- Installation: MDRC 8-TE
- Dimensions (W x H x D) in mm: 140 x 90 x 63
- Housing: plastic
- Protection class: IP20 (according to EN 60529)
- Display: 2-line LCD display controllable via 6 keys

Interfaces:

- Ethernet via RJ45 socket
- EnOcean® in work
- USB (not supported)

Features:

- Power supply PoE-capable
- Configuration via Web interface or directly on the device
- Basic commissioning directly on the device possible

Software requirements:

- Operating system: any
- Communication: network interface
- Browser: current standard browser

TRANSLATOR

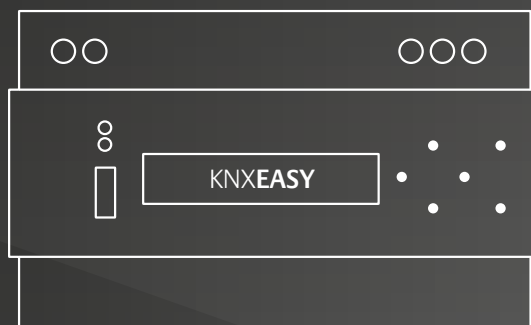
KNX® to ASCII
Bi-directional
TCP and UDP

SIMPLE

Simple ASCII protocol
Use ETS identifier

UNLIMITED

No data point limitation
KNX/TP and KNXnet/IP



SYNERGY

Generate added value

COUPLER

Programming interface

everywhere at home



BAB
TECHNOLOGIE



b.a.b.technologie GmbH
Inhouse Dortmund
Rosemeyerstrasse 14
44139 Dortmund, Germany

Phone: +49 231 476425-30
Fax: +49 231 476425-59
E-mail: info@bab-tec.de
Internet: www.bab-tec.de