BAB
TECHNOLOGIE

DATA**LOGGER** V2

ANALYZE. CONTROL. OPTIMIZE.

DATA**LOGGER** V2
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Included
**KNX IP router
functionality**

KNX

NEW in DATALOGGER**:**
**New, more powerful
hardware**

The DATA**LOGGER** V2 is a powerful top hat rail device for recording KNX telegram data in real time based on MySQL. It receives the data either via KNX/TP or KNXnet/IP. The configuration is done via a user-friendly web interface. Thanks to its integrated KNXnet/IP server, the DATA**LOGGER** V2 fulfils three functions at once: It offers IP router functionality for KNX, records telegram traffic and monitors IP and KNX subscribers on request. All data is recorded in an internal MySQL database or, for larger amounts of data, in an external MySQL database. The ETS4/5 project information is used to automatically structure the database. You can schedule automated exports by e-mail or to a locally connected USB drive in various intervals, or alternatively export data manually over network. Provided in CSV or XLS format, the data can be used immediately and in a variety of ways.

FASCINATING TECHNOLOGY
ALL ADVANTAGES IN DETAIL

POWERFUL HARDWARE

Thanks to high-efficient hardware, the DATA**LOGGER** V2 also processes large amounts of data. Based on MySQL, it not only stores the data internally but also in an external database, thus increasing the available data volume. If desired, certain group address ranges can be defined so that only the relevant data is recorded.

TARGETED MONITORING

On demand, the DATA**LOGGER** V2 monitors any IP and KNX subscribers which are determined via IP or physical addresses and informs the administrator about the connection status. In addition, it is possible to monitor values of individual KNX group addresses. The conditions for notifications of value overruns or underruns are freely definable. The complete recording and the automatic export function of the DATA-**LOGGER** V2 are ideal instruments for analyzing processes in automation environments. Faulty KNX applications or incorrect programming can be investigated in no time at all. The «Top 10 function» provides immediate information about the most frequently sent KNX group addresses and thus helps to identify optimization potentials.

AUTOMATED EXPORT FUNCTION

Once set up, the DATA**LOGGER** V2 performs its tasks automatically: the data can be recorded and exported in defined cycles by e-mail. Warning messages are issued immediately if there is insufficient memory. Using the ETS4/5 project information, the DATA**LOGGER** V2 structures the recorded data independently.

WEB BASED CONFIGURATION

The multiplatform web interface for configuration simplifies commissioning and enables an intuitive and fast application of important functions, such as setting up e-mail dispatch, user administration and external database connection.

ROUTER FUNCTIONALITY

The DATA**LOGGER** V2 is not only used for recording and monitoring - it also offers IP router functionality. The DATA**LOGGER** V2 offers three functions in one device. This reduces the initial costs considerably.
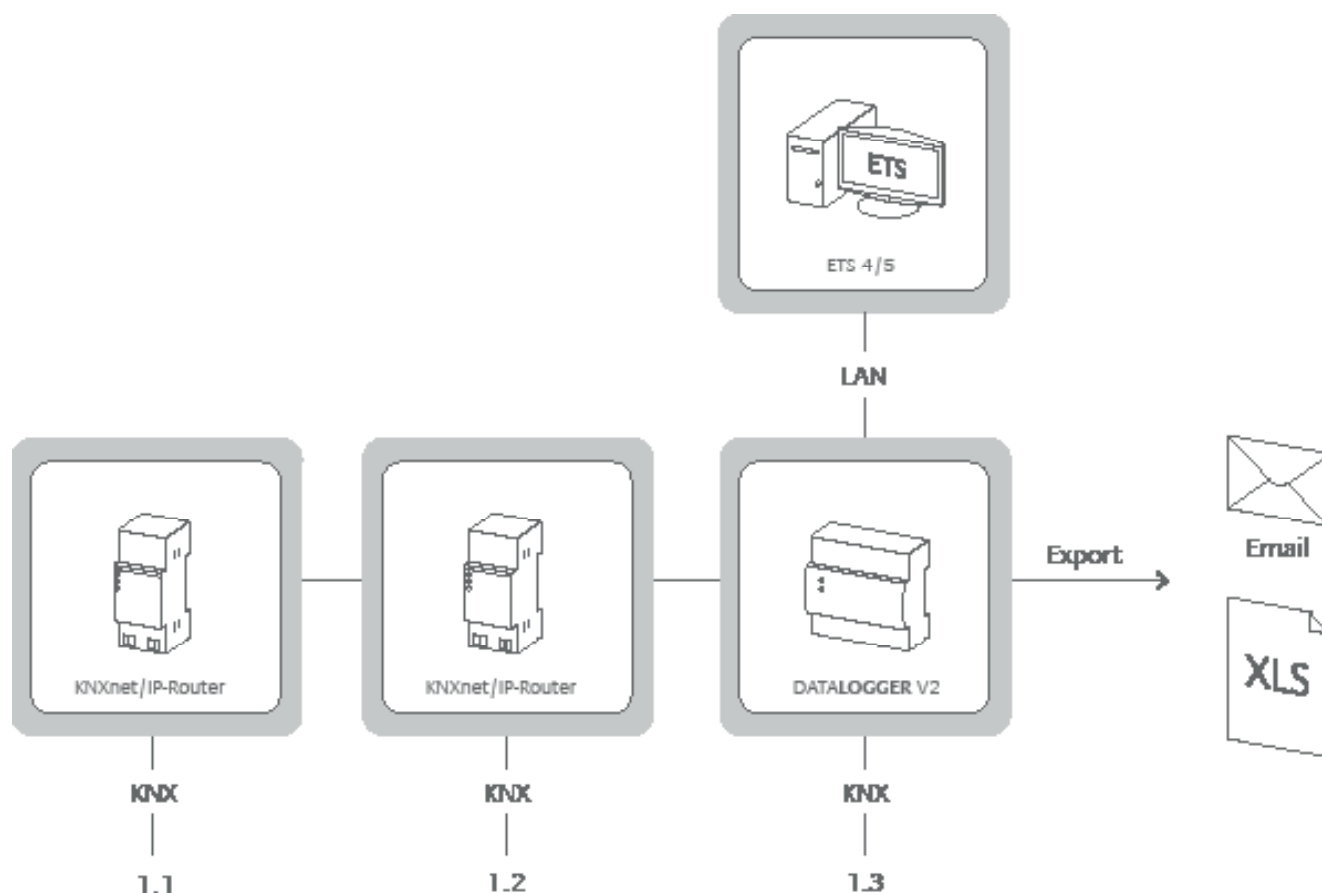
DATA ANALYSIS MADE EASY

For efficient data analysis, the DATA**LOGGER** V2 offers a targeted export according to time period and group address ranges. The values of the telegrams are automatically scaled during ETS file import and thus form the basis for an exact data analysis based on a CSV, XLS or XML file.
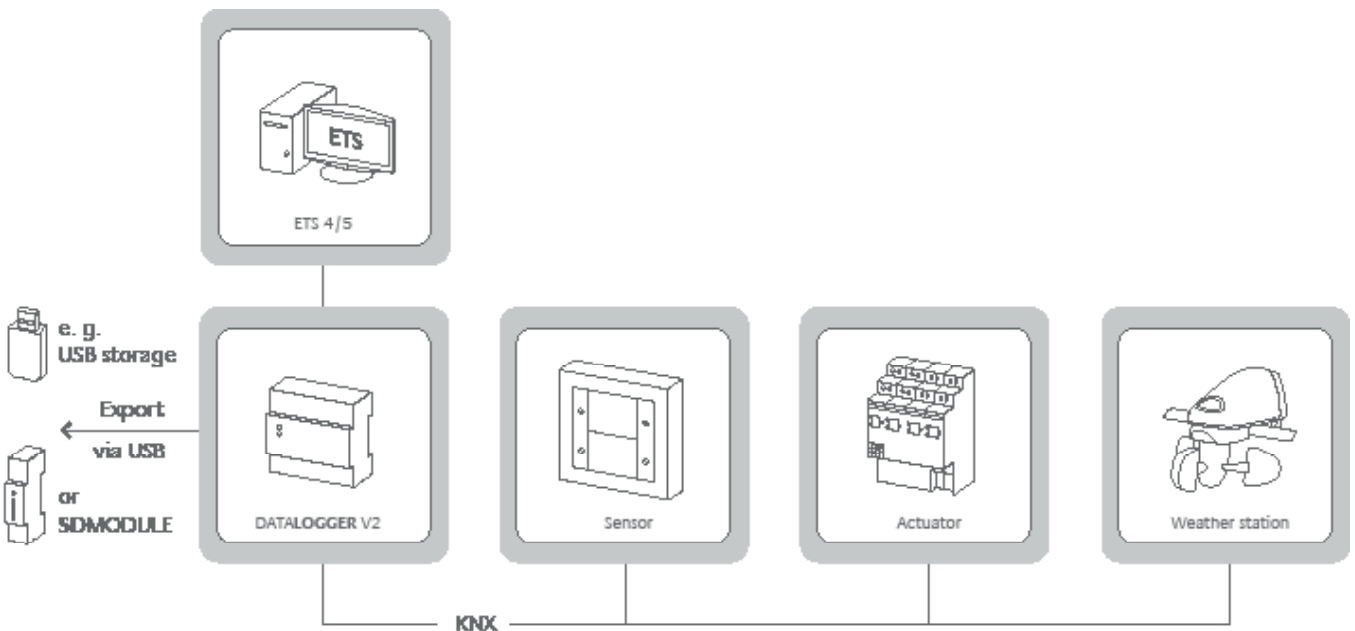
PRODUCT APPLICATION
DATA**LOGGER** V2 IN USE

EXAMPLE: DATA**LOGGER** V2 AS IP ROUTER

Equipped with a KNXnet/IP server, the DATA**LOGGER** V2 offers IP router functionality at the same time. It collects the data via KNXnet/IP routing and from its own KNX line. The desired data is automatically exported in XLS or CSV format by e-mail once a day, week or month. Thanks to KNXnet/IP tunneling, the DATA**LOGGER** V2 is also the programming interface for ETS.

EXAMPLE: DATA**LOGGER** V2 AS A KNX/TP DEVICE

Connected to the Twisted Pair Bus, the DATA**LOGGER** V2 records all desired KNX telegrams and saves them in its internal MySQL database. The data is exported in CSV or XLS format to a USB stick or **SD**MODULE. No access to the web interface is required for export. The data is exported automatically in the preset cycle. The written medium can be removed for evaluation at any time and replaced by a new one. Due to its function as a KNXnet/IP server, the DATA**LOGGER** V2 also serves as an interface to the KNX bus for the ETS.

OVERVIEW
TECHNICAL SPECIFICATIONS

- Operating voltage: 12–32 V DC
- Typical power consumption 300 mA at 12 V DC
- Power consumption: <= 5 W
- Connection: screw-type plug-in terminal
- Climate resistant: EN 50090-2-2
- Ambient temperature: –5 to + 35 °C
- Relative humidity (non-condensing): 5 % to 80 %.

Mechanical data:
- Mounting: MDRC 4 MW
- Dimensions (W x H x D) in mm: 72 x 90 x 63
- Housing: Plastic
- Protection class: IP20 (according to EN 60529)

Interfaces:
- KNX via screw terminal (Twisted Pair)
- Ethernet via RJ45 socket
- USB for exporting internal data

Special features:
- 16 GB mSATA SSD memory with wear leveling
- Recording of up to 18 million telegrams
- KNX telegram statistics
- Scheduled dispatch of data by email
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Software requirements:
- Operating system: independent
- Communication: Network interface
- Current browsers (Chrome, Firefox, Safari)

«The DATA**LOGGER** V2 is the tool for data recording, control and optimization of automated environments based on KNX.»

everywhere at home

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