



BAB
TECHNOLOGIE



DATALOGGER

ANALYSE. CONTROL. OPTIMISE.

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OPTIMISE.



The **DATALOGGER** is a high-performance top hat rail device for recording KNX® telegram data based on MySQL in real-time. It receives the data either via KNX/TP or KNXnet/IP. All important configuration steps can be undertaken directly at the device using the two-line LCD and six buttons. Detailed configuration is carried out via a user-friendly web interface. Thanks to its integrated KNXnet/IP server, the **DATALOGGER** fulfils two functions simultaneously: It functions as an IP router for KNX® and records telegram traffic simultaneously. All data is recorded in an internal (8GB) or – for larger data quantities – an external MSQl database. The ETS4 project information is used to structure the database automatically. Export to a USB stick takes place manually or by e-mail using a previously-set cycle. Thanks to CSV or XLS format, the data can be used directly.

TECHNOLOGY WHICH FASCINATES ALL ADVANTAGES IN DETAIL

HIGH-PERFORMANCE

Thanks to high-performance hardware, the **DATALOGGER** also processes large data quantities. Based on MySQL, it saves the data both internally and in an external database, thus extending the data volume available as desired. If wanted, specific group address areas can be defined so that only the relevant data is recorded.

MONITORING

Complete recording and the automated **DATALOGGER** export function provide the ideal instruments for monitoring building automation. In the event of faulty KNX® applications or incorrect programming, you get to the bottom of the problem in next to no time in this manner. The “Top 10 function” provides immediate information regarding the most frequently sent group addresses.

AUTOMATIC

Once it has been set up, the **DATALOGGER** accomplishes its tasks automatically: The recording of the data and its export can take place via e-mail in defined cycles. Warning information in case of missing memory space is output directly. The **DATALOGGER** structures the recorded data independently using the ETS4 project information.

INDEPENDENT

Thanks to the option of being able to operate the device via the LCD and the keys, the **DATALOGGER** is not dependent on a PC connection. For an alternative export of the data, you only need access to the device and a USB stick and you can obtain the desired information without problems.

SIMPLE

The platform-any web interface for configuration makes it easier to put into operation and enables intuitive and fast application of important functions such as setting up e-mail dispatch, user administration and external database connections. For efficient data analysis, the **DATALOGGER** offers targeted export according to period and group address ranges.

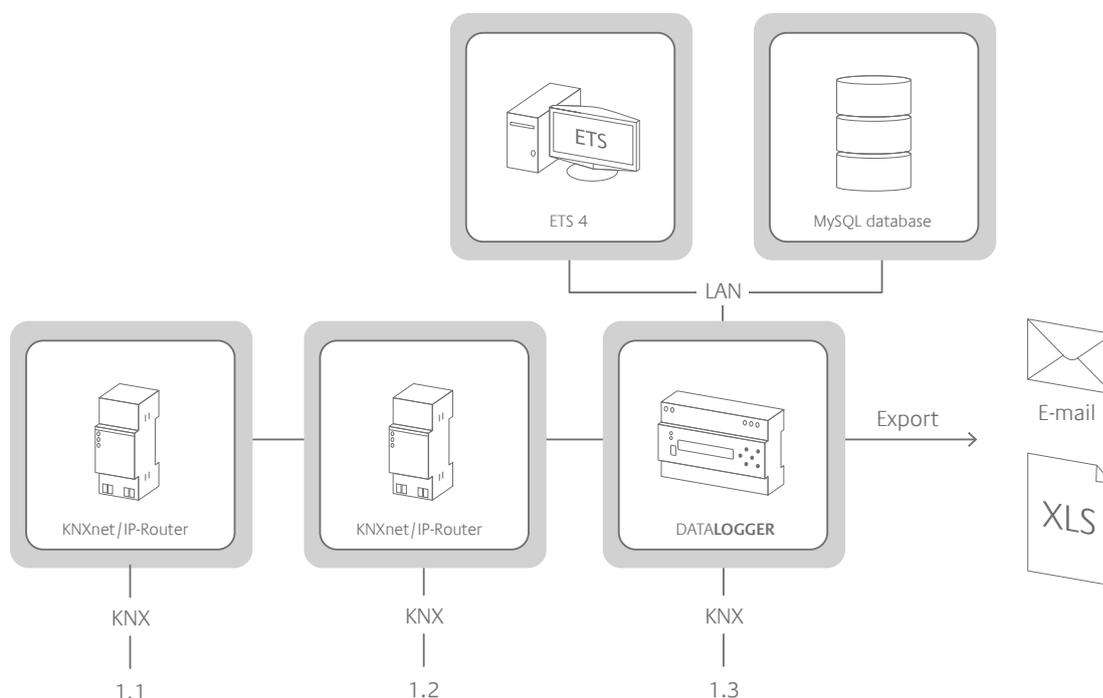
ROUTER

The **DATALOGGER** not only serves for recording, but is also a fully functional KNXnet/IP router. Simply replace the existing IP router with a **DATALOGGER** and you then have one device with two functions. Then, the **DATALOGGER** is positioned perfectly. This considerably reduces the initial costs.

PRODUCT APPLICATION

THE **DATALOGGER** IN USE

EXAMPLE: **DATALOGGER** AS AN IP ROUTER

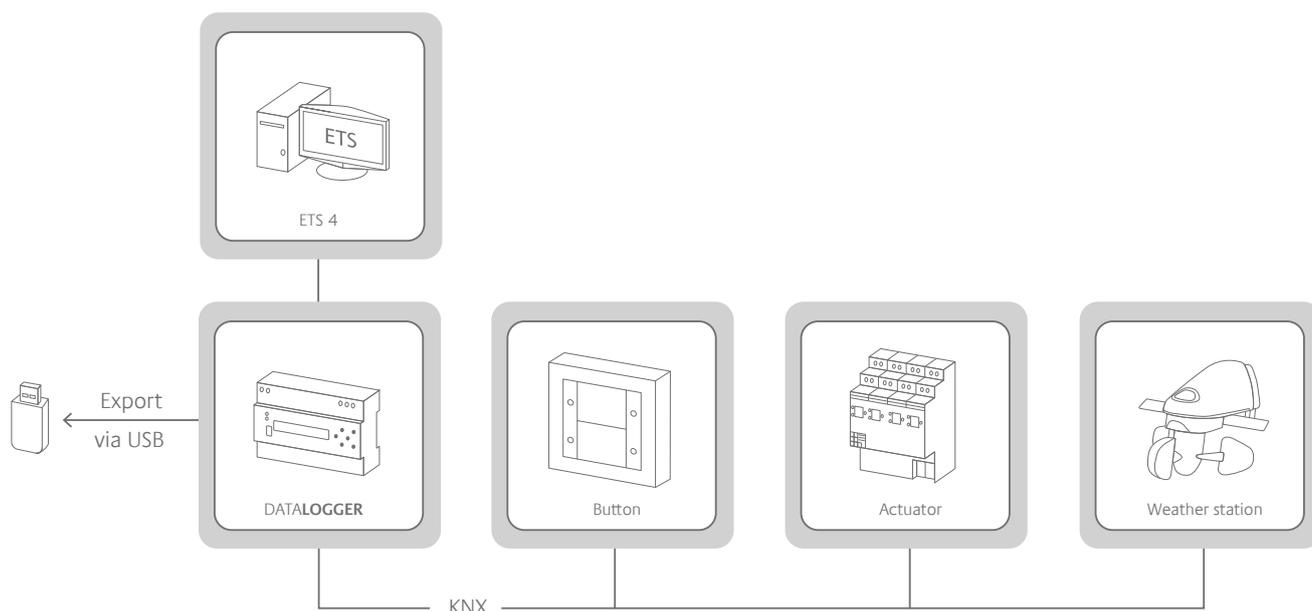


Equipped with a fully adequate KNXnet/IP server, the **DATALOGGER** is an IP router at the same time. It collects the data via KNXnet/IP routing and from its line and saves it on an external MySQL-Server. The desired data is automatically exported daily, weekly or monthly in XLS or CSV format. At the same time, the **DATALOGGER** is also the programming interface for the ETS thanks to KNXnet/IP tunneling.

PRODUCT APPLICATION

THE DATA**LOG**GER IN USE

EXAMPLE: DATA**LOG**GER AS A KNX/TP PARTICIPANT



Connected to the twisted pair bus, the DATA**LOG**GER records all desired KNX[®] telegrams and saves them in its internal MySQL database. The data is exported to a USB stick in CSV or XLS format. It is not necessary to access the web interface for export; it is simply initiated using the buttons and the LCD device display. Due to its function as a KNXnet/IP server, the DATA**LOG**GER also serves as an interface to the KNX[®] bus for the ETS.

OVERVIEW

TECHNICAL DATA

Article no.: 10410

- Operating voltage: 12 – 32V DC
- Typical power input: 400 mA 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 MW
- 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:

- KNX® via pluggable screw terminal (twisted pair)
- EnOcean® in preparation
- Ethernet via RJ45 socket
- USB for exporting the internal database

Features:

- 8GB internal flash memory
- Power supply PoE-capable
- Configuration via web interface or directly on the device

Software requirements:

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

HIGH-PERFORMANCE

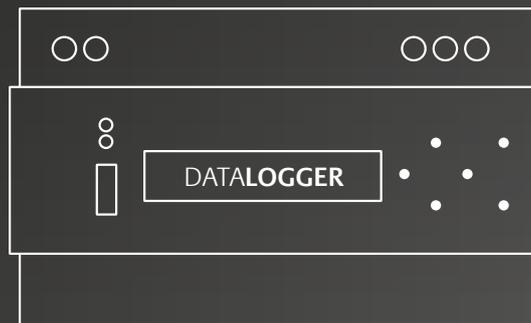
Processing of larger data quantities
Internal and external database Targeted data recording

MONITORING

Complete recording of all data
Identification of faulty KNX® applications
"TOP 10 Function"

AUTOMATIC

Cyclic data dispatch via e-mail
Warning information
Structuring using ETS4 project data



INDEPENDENT

No PC connection required
Local data export on a USB stick

SIMPLE

Intuitive Web interface
Targeted data export

ROUTER

Fully-functional IP router
Interface to the ETS
Reduction of the initial costs

everywhere at home



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