UIM-KNX 42

USB interface between PC and KNX Bus

„The intelligent solution for optimal connections."

The new KNX-USB interface UIM-KNX 42 establishes a bidirectional data connection between PC and KNX bus. The device enables addressing, setting parameters, visualization, protocolling and diagnosis of bus devices. The USB connector is galvanically isolated from the KNX bus.

With this KNX-USB interface you have the possibility to address every bus device in the bus system. The communication between KNX-USB interface and with the connected devices is handled via flexible common EMI protocol through UIM-KNX 42. This protocol is designed for actual and future applications.

The connection between KNX and PC running standard software like ETS3, EITT and other software is handled by the FALCON driver. UIM-KNX 42 supports long messages (up to 228 byte length) and ensures easy handling in software under operating systems not supported by the FALCON driver (e.g.: Linux).

For specific diagnostic applications like EITT the UIM-KNX 42 is supporting a „Raw Frame" operating mode.
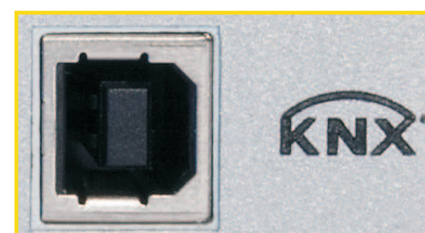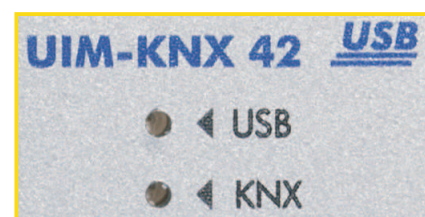
The innovative connection

Advantages

- Long messages up to 228 byte length

- Common EMI

- USB 2.0

- Raw frames

- Low current consumption

- Easy usage even without FALCON software

Data

Marking	UIM-KNX 42
Supply	Bus-side:
	24 V DC max. current consumption from bus 10 mA
	PC-side:
	Device is supplied from USB
	Energy consumption from USB < 100 mW
Bus connector	KNX Wago bus connecting terminal (red/black) screwless
USB- connector	USB-socket (type B), USB standard 2.0
Display elements	bus status LED yellow
	USB Status LED yellow
Protocol	cEMI according KNX Standard
Installation	on 35 mm DIN rail mount
	EN 60715 TH 35-75
Temperature range	Operation 0°C … +45°C
	Storage -20°C … +60°C
Type of protection	IP 20
Protection class	Class II
CE-indication	in accordance with EMC and low voltage guidelines
Certification	KNX
Dimensions	90 x 36 x 71 mm (H x W x D)
Mounting depth	64,5 mm
Width in modules	2 units (unit =18mm)
Weight	0,1 kg

Informations

The USB socket and bus connection is on the front side of the device together with two yellow LEDs. Each is an indicator for connection status and traffic concerning the PC and the bus.
The UIM-KNX 42 needs no application program to be downloaded.
In general you need no specific device driver, since the USB HID class is used. For this device class, device driver are existing in all common operating systems.
In case of using older versions of ETS or FALCON driver, it can be necessary to provide manufacturer specific device informations to FALCON. This can be done by importing a manufacturer specific data base entry. The delivery includes a Wago bus connecting terminal.
Also available as OEM version.

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