



Application area	Category	Order code
Facility Automation	Interface	4260220541011

USB2KNX



USB interface between PC and KNX Bus

„The intelligent solution for optimal connections.“

The new KNX-USB interface – USB2KNX 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 USB2KNX. 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.

USB2KNX 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 USB2KNX is supporting a „Raw Frame“ operating mode.

Technical data

Power 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
Physical connections	
Bus connector:	KNX Wago bus connecting terminal (red/black) screw less
USB connector:	USB-socket (type B), USB standard
Electrical safety	
Protection category:	IP 20
Protection class:	Class II
Display	
bus status LED yellow	
USB Status LED yellow	
Construction	
Body material:	Plastic
Size:	90 x 36 x 71 mm (H x W x D)
Mounting depth:	64,5 mm
Width in modules:	2 units (unit = 18mm)
Weight:	100 g
Mounting:	n 35 mm DIN rail mount / EN 60715 TH 35-75
Package size:	120 x 60 x 90 mm (H x W x D)
Shipping weight:	120 g
Environmental conditions	
Working temperature:	0°C to +45°C
Storage temperature:	-20°C to +60°C
Certification	
KNX	
CE-label	
in accordance with EMC and low voltage guidelines	

Functions

Long messages up to 228 byte length
Common EMI
USB 2.0
Raw frames
Low current consumption
Easy usage even without FALCON software.

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 USB2KNX 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 already exist 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.