



## ■ Features

- No additional external power supply required
- KNX commissioning, addressing and parameters settings
- KNX protocol and system visualization
- Diagnostic operations
- Long messages support up to 220 byte APDU
- 3 years warranty

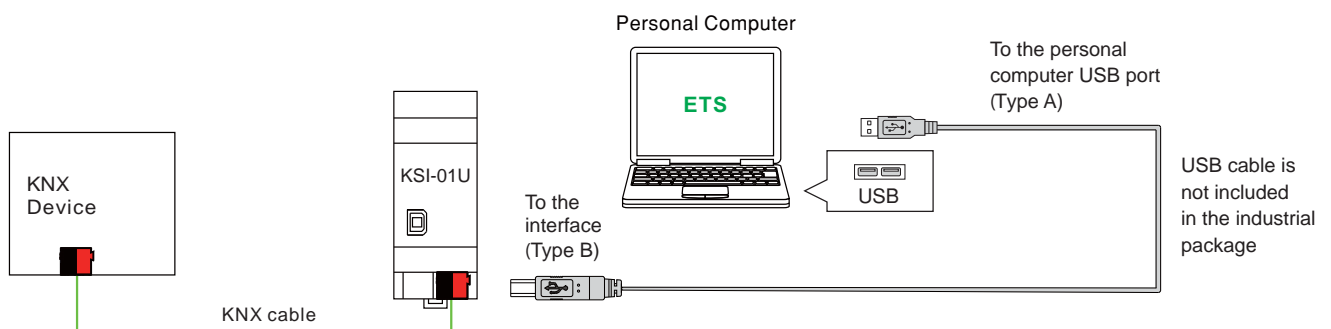
## ■ Applications

- Office lighting
- Smart home lighting
- Luxury villas lighting
- LED indoor lighting
- Building automation

## ■ Description

The KSI-01U is an USB interface providing galvanic isolated bidirectional access to the KNX bus line. It makes network configurations less effort and time-consuming. The KSI-01U is used to access all bus connected devices in the KNX bus system including commissioning, addressing, setting parameters, diagnostic functions, visualization, protocol....etc.

The connection between the KNX data bus and a PC with standard software like ETS, EITT (also Raw Frame operating mode) and other software is handled by the FALCON driver. The KSI-01U supports long messages (up to 220 byte APDU length) and ensures easy handling in software under operating systems not supported by the FALCON driver (e.g. Linux). The communication protocol used for communication between interface and host is the flexible “cEMI” protocol.



## ■ Order Information

- Model No.: KSI-01U



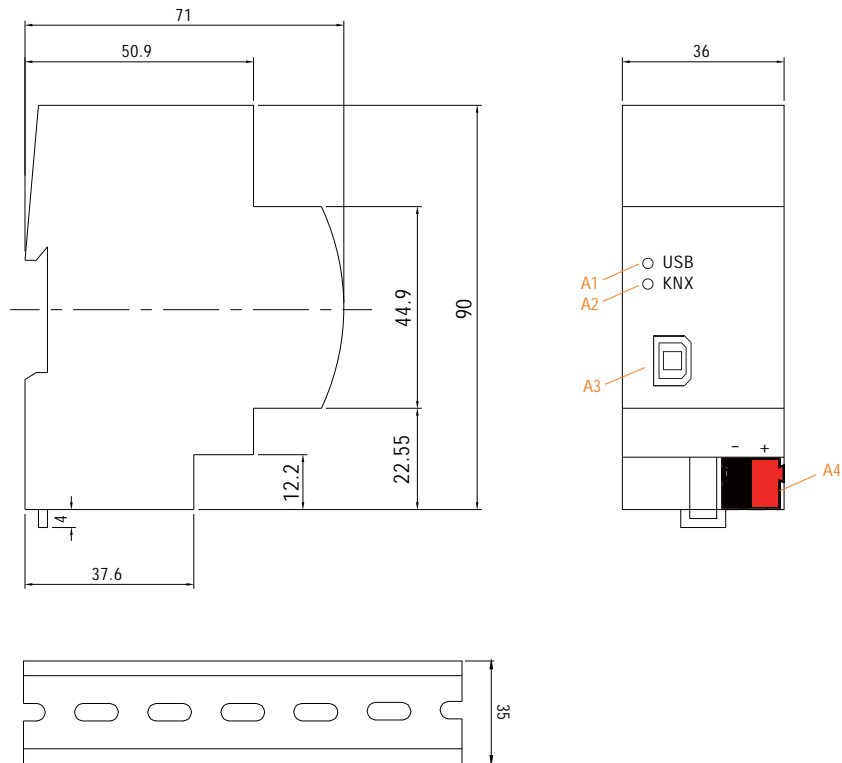
## SPECIFICATION

MODEL	KSI-01U	
OUTPUT	PROGRAMMING INTERFACE	KNX Protocol
	LED INDICATOR	Green
INPUT	COMM. INTERFACE	USB Type B
	POWER SUPPLY	21~30VDC(KNX TP bus); 5VDC (USB bus)
	CURRENT CONSUMPTION	<5mA(KNX TP bus); <20mA (USB bus)
ENVIRONMENT	WORKING TEMP.	-5 ~ +45°C
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +60°C, 5 ~ 93% RH non-condensing
	POLLUTION DEGREE	2 according to IEC60664-1
	PROTECTION TYPE	IP20 according to IEC60529
SAFETY & EMC	SAFETY STANDARDS	Compliance to EN50428; EN62479
	KNX STANDARDS	ISO/IEC 14543-3, EN50090, EN13321-1
	EMC EMISSION	Compliance to EN50491-5, EN61000-3-3
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11
OTHERS	MTBF	100K hrs min.
	DIMENSION	36*90*71mm (W*H*D)
	DIN RAIL MOUNTING	35 mm rail; 2 units wide
	PACKING	0.060Kg; 5pcs/0.4Kg

## ■ Mechanical Specification

Case No.

Unit:mm



ADMISSIBLE DIN-RAIL: TS35/7.5 OR TS35/15

- A1: USB LED green (ON: USB connection OK; Flash: commissioning; OFF: No USB connection)
- A2: KNX LED green (ON: KNX connection OK; Flash: commissioning; OFF: No KNX bus connection or No USB connection)
- A3: USB type B connector
- A4: KNX TP connector(red/black)

## ■ Configuration and Commissioning

The application program(data base) for ETS can be downloaded via  
<http://www.meanwell.com/productCatalog.aspx>

## ■ Installation Manual

Please refer to : <http://www.meanwell.com/manual.html>