



## ■ 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

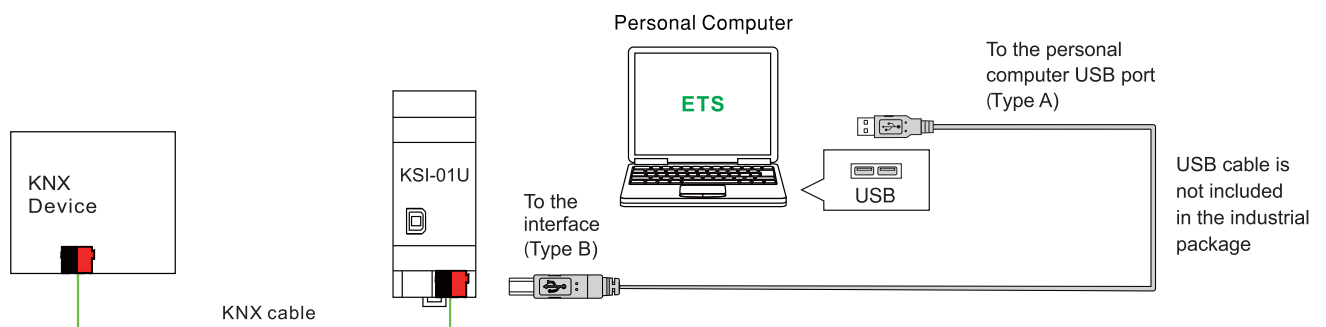
## ■ Applications

- 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.



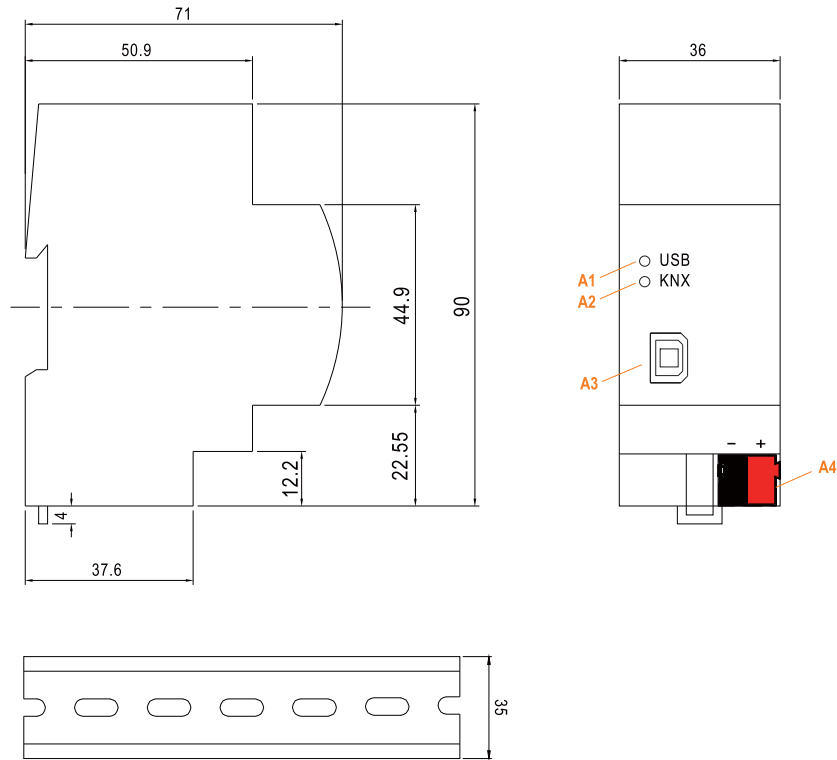
## SPECIFICATION

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