



## ■ Features

- KNX IP / TP routing
- 4 KNX IP / TP tunnelings
- No additional external power supply required
- Universal Plug and Play
- Telegram filtering
- Built-in web front-end page
- 3 years warranty

## ■ Applications

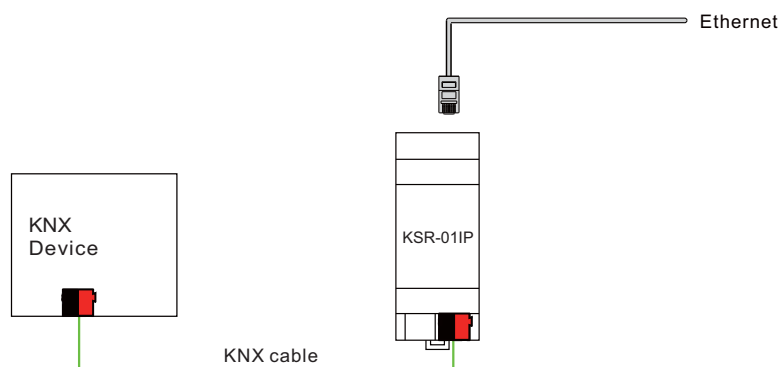
- Office lighting
- Smart home lighting
- Luxury villas lighting
- LED indoor lighting
- Building automation

## ■ Description

The IP TP media coupler KSR-01IP is a KNXnet/IP routing & tunneling device and works as KNX IP line/area coupler. No need to have an external power supply for powering. The ability to address all bus devices in the KNX bus system makes network operations less time-consuming. Operational and filtering states, malfunction and faulty communication are indicated by LEDs. The device is UPnP and its firmware can be updated via the built-in web front-end page.

The KSR-01IP connects Ethernet/ KNX IP and KNX TP two media for commissioning, addressing, parameters setting, visualization and diagnostic operations between devices on the KNX bus.

KSR-01IP is able to filter the traffic according to the installation place in the bus system hierarchy and according to the built-in filter tables for group oriented communication. Configuring from the subline can be blocked. Message filtering can be temporarily deactivated anytime via a button press on the device. The time to switch back to normal operation is ETS configurable. If necessary temporary access to other lines is possible also without download from the ETS.



## ■ Order Information

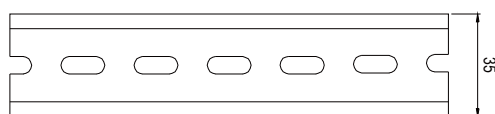
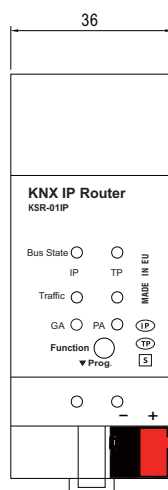
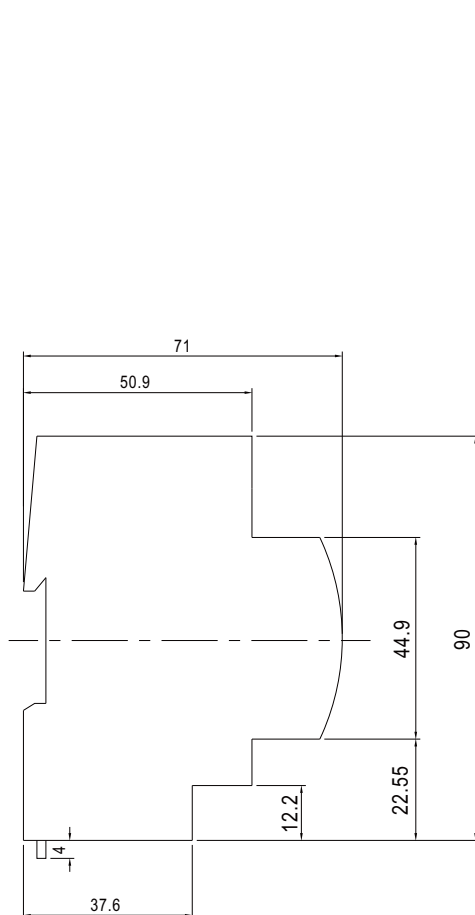
- Model No.: KSR-01IP

**SPECIFICATION**

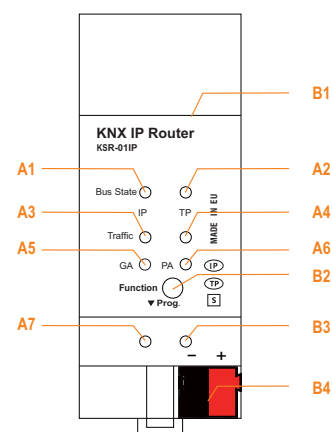
<b>MODEL</b>		<b>KSR-01IP</b>
<b>OUTPUT</b>	<b>PROGRAMMING INTERFACE</b>	KNX Protocol
	<b>LED INDICATOR</b>	Various color see mechanical specification part
<b>INPUT</b>	<b>COMM. INTERFACE</b>	RJ45 Ethernet connector
	<b>POWER SUPPLY</b>	21~30VDC(KNX TP bus)
	<b>CURRENT CONSUMPTION</b>	<20mA(KNX TP bus)
<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; EN60950-1
	<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>	0.070Kg; 5pcs/0.45Kg

## Mechanical Specification

Case No. Unit:mm



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



- A1: State IP (Main line)**  
green: Main line OK  
red: Manual Function active
- A2: Bus state KNX TP (Subline)**  
green: Subline OK
- A3: Telegram traffic IP (Main line)**  
green, blink.: Telegram traffic extent  
red, blink.: Transmission error
- A4: Telegram traffic KNX TP (Subline)**  
green, blink.: Telegram traffic extent  
red, blink.: Transmission error
- A5: Group Address routing**  
green: Filter active  
orange: Route all  
red: Block all  
<off>: Main line / subline different
- A6: Physical Address routing**  
green: Filter active  
orange: Route all  
red: Block all  
<off>: Main line / subline different
- A7: Programming**  
red: Program Mode  
red, blink.: No IP connection
- B1: Ethernet connector**
- B2: Function button**
- B3: Program button**
- B4: KNX TP connector**

## 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>