Product description and application

With the KNX IP Interface **UIM*ip*** all KNX bus devices in the KNX bus system can be addressed. Thus, the **UIM*ip*** makes network configurations less time-consuming.

The UIM*ip* works without external power supply!

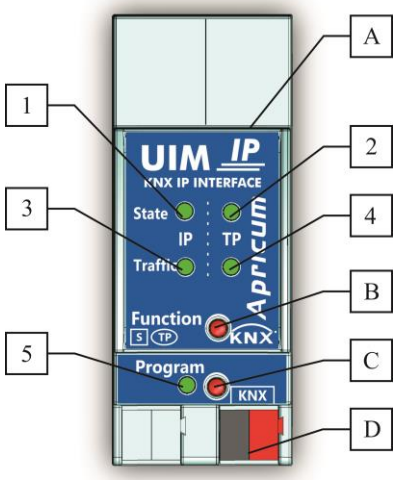
The **UIM*ip*** connects both communication media Ethernet and KNX to feature for all devices connected to the KNX bus line:

- **Commissioning**
- **Addressing**
- **Setting parameters**
- **Visualisation**
- **Protocol**
- **Diagnostic operations**

In addition, an error or a faulty communication on the bus is indicated by LEDs at the device.

For more information on functionality, buttons function and device status please see the document "Technical and Application Description" available at www.apricum.com/uimip

Connections and front side description



A	**Ethernet connector**	C	**Program button**
B	**Function button**	D	**KNX connector**

LED

1 **Bus state LAN**
green: LAN line OK

2 **Bus state KNX TP line**
green: KNX line OK

3 **Bus traffic LAN line**
red blinking:
Transmit error LAN

4 **Bus traffic KNX TP line**
green blinking:
Telegram traffic KNX
red blinking:
Transmit error KNX

5 **Programming**
red: Program Mode
red blinking:
LAN line error

Technical specifications

Power input

- Power supply: KNX line, 21…30 V DC (SELV)
- Current consumption (max.): < 40 mA

The **UIM*ip*** is **supplied by the KNX bus system** and does **not require any additional external power supply**.

Warning: Device may not be connected to 230V

Housing

- Dimensions (HxWxD): 90 x 36 x 71 mm
- Mounting (IEC60715): 35 mm top-hat rail (TH35)
- Width in space units: 2 modules at 18 mm
- KNX bus connection: KNX connector (red/black)
- Ethernet connection: Ethernet connector (RJ45)
- Weight: 70 g

Environmental conditions

- Working temperature: -5…45 °C
- Storage temperature: -20...60 °C
- Ambient humidity (non-condensing): 5…93 %

Electrical safety

- Pollution degree (IEC60664-1): 2
- Protection type (IEC60529): IP20
- Protection class (IEC61140): III
- Overvoltage category (IEC60664-1): II
- Approbation (ISO/IEC14543-3): KNX-certified
- Compliance with EN50428, EN50581, EN61000-6, EN62479

CE Marking

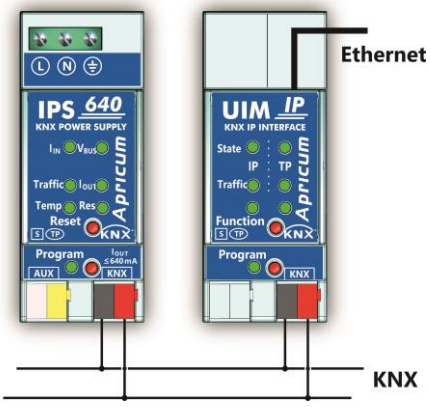
According to low voltage and EMC guidelines (residential and commercial buildings)

Mounting, commissioning and safety notes

The **UIM*ip*** interface device must be mounted and commissioned by an authorized person

- For planning and construction of electric installations the appropriate specifications, guidelines and regulations in force of the respective country have to be complied
- For mounting and dismounting only use an appropriate rail equipment according to IEC60715
- Connect the KNX bus line as for common KNX bus connections with a KNX bus cable, to be stripped and plugged into a WAGO block
- Take care of the electric insulations when connecting
- Installation only in dry locations within distribution boards or enclosed housings with TH35 mounting rail
- For commissioning use the Engineering Tool Software
- The housing must not be opened
- Accessibility of the device for operation and visual inspection must be provided

Installation example and maintenance



- Protect the device from moisture, dirt and damage
- The device needs no maintenance
- If necessary, the device can be cleaned with a dry cloth
- In the case of damage no repairs may be carried out by unauthorized personnel

Further information available at www.apricum.com

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