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EAE Technology IPR200 KNX IP Router

# EAE Technology IPR200 KNX IP Router User Guide

**Contents**

**EAE Technology IPR200 KNX IP Router**

**Specifications**

- **Model:** IPR200 EAE KNX IP Router
- **Functions:** Area Coupler, Line Coupler
- **Protection Type:** IP 20
- **Safety Class:** III
- **Degree of Pollution:** IEC 60 529
- **Overvoltage Class:** IEC 61140
- **Power Supply:** 21-30V DC, SELV
- **Current Consumption:** < 15 mA
- **Operating Temperature:** 5°C to 93°C non-condensing
- **Dimensions:** 90 mm (H) x 18 mm (W) x 70 mm (D)
- **Weight:** 40 g

## Product Usage Instructions

### Installation
The IPR200 EAE KNX IP Router can be installed by mounting it on a 35mm DIN rail using the EN 60 715 TH 35-75 standard.

### Connections
The device features a KNX bus connection terminal for bus connection and an RJ45 socket for IP Line connection.

### Operating Elements
The device includes function button, programming button, and LEDs for monitoring.

### Temperature and Humidity

The operating temperature range is from 5°C to 93°C with humidity levels between 5% to 93% non-condensing.

**Cleaning**
If the device gets dirty, use only a dry cloth for cleaning. Avoid wet cloths, caustics, and solvents.

**FAQ**

- How do I configure the device parameters?

  The physical address and parameters can be set using Engineering Tool Software (ETS4 or higher) by importing the .knxprod file to the ETS.
- Where can I find more information about parameter configuration?

  Detailed information about parameter configuration can be found in the Product Manual of the device.
- What should I do if the device needs cleaning?

  Only use a dry cloth for cleaning. Avoid using wet cloths, caustics, and solvents on the device. For more information, visit www.eaetechnology.com

## General Description



- The device supports 5 simultaneous KNXnet/IP Tunneling connections.
- The IPR200 with compact design has a width of only 1 module (18 mm) and is powered by the KNX bus.
- The device forwards telegrams between different KNX TP lines via LAN (IP) as a fast backbone and is an alternative to KNX line coupler.
- The IPR200 can also be used in the ETS® as a programming interface.
- The IP address can be obtained by a DHCP server or by manual configuration (ETS) respectively.
- The IPR200 has a full-range filter table and a large telegram buffer.
- The buttons and LEDs on the device allow a local diagnosis including the operating status and communication errors.
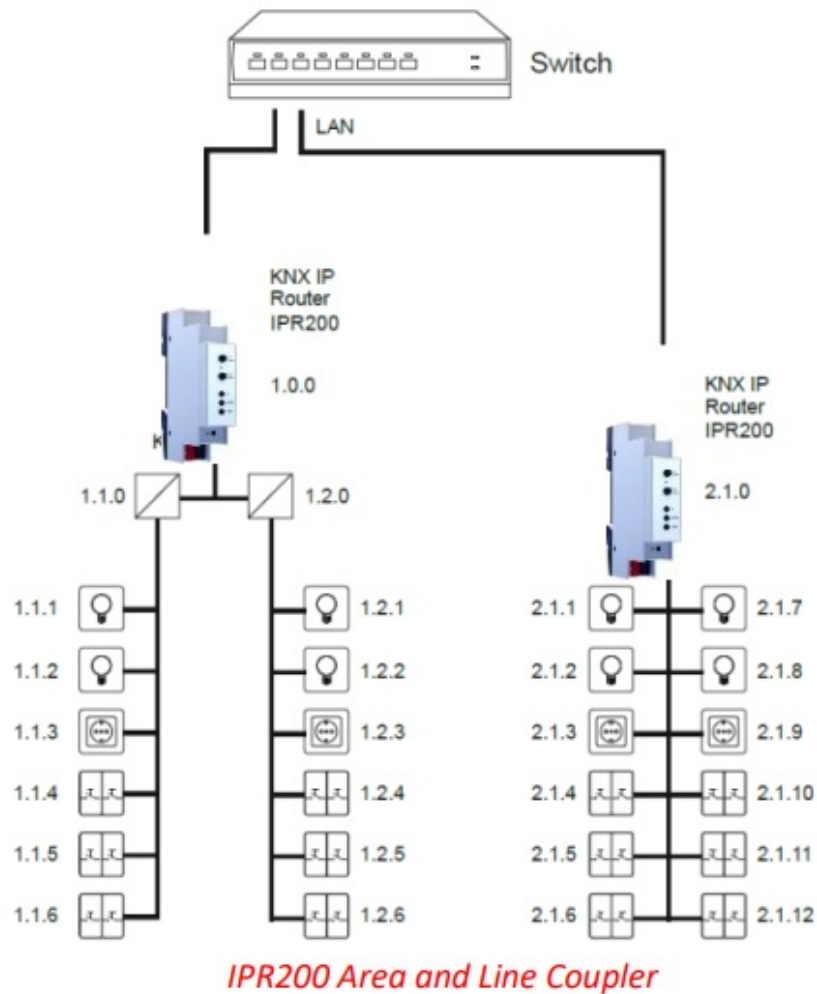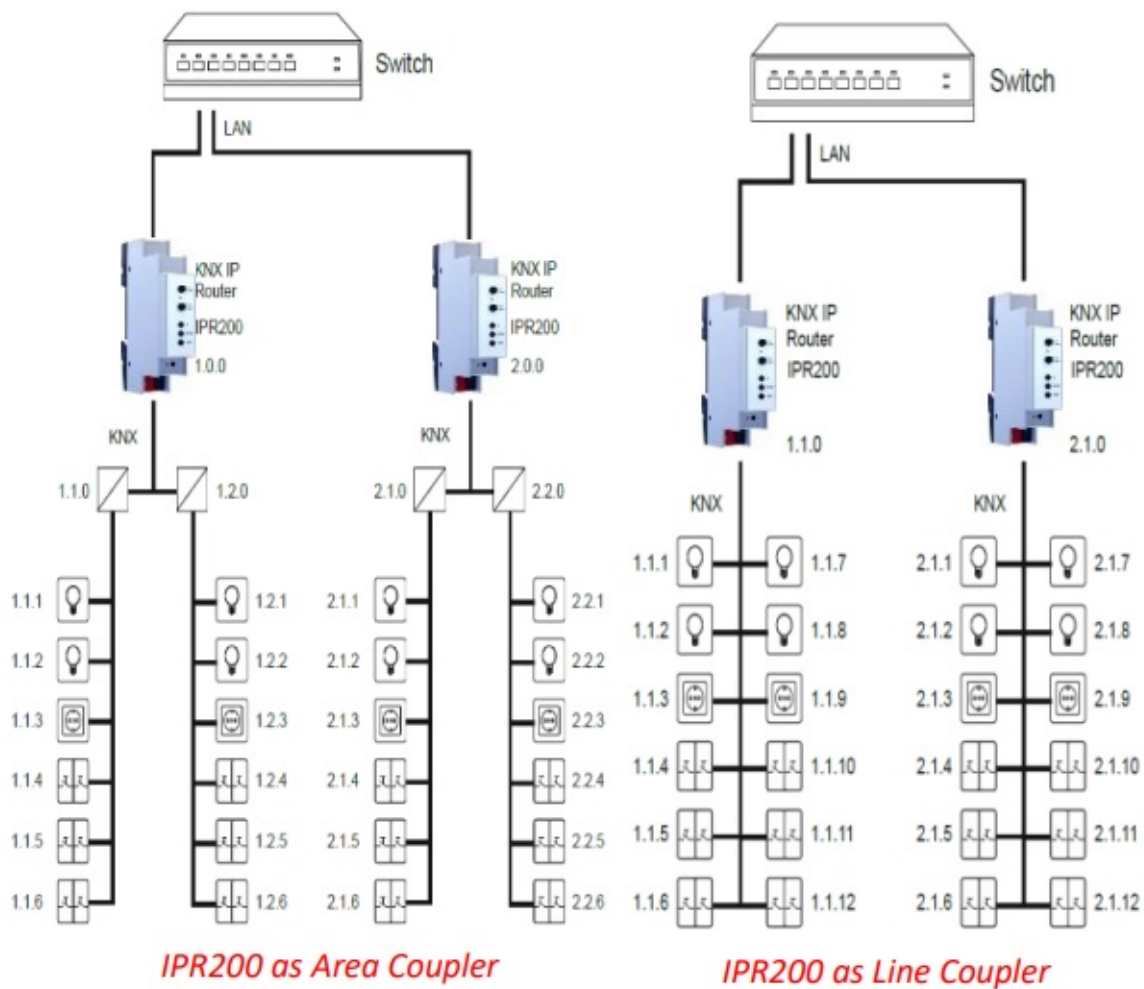
## Technical Data

| | | |
|---|---|---|
| **Protection Type** | IP 20 | IEC 60 529 |
| **Safety Slass** | III | IEC 61140 |
| **Degree of Pollution** | 2 | IEC 60664 |
| **Overvoltage Class** | III | IEC 60664 |
| **Power Supply** | Voltage | 21...30V DC, SELV |
| | Current Consumption | < 15 mA |
| **Connections** | KNX Line | Bus connection terminal |
| | IP Line | RJ45 socket |
| **Operating Elements** | Function button, programming button, LEDs | |
| **Installation** | 35mm DIN rail mount | EN 60 715 TH 35-75 |
| **Temperature Range** | Operation | -5° C   + 45° C |
| | Storage | -25° C   + 70° C |
| **Humidity** | %5 to 93 % non-condensing | |
| **Dimensions** | -H x W x D | 90 mm x W x 70 mm |
| | Width W in mm | 18 mm (1 module) |
| | | Mounting depth 64 mm |
| **Weight** | 40 g | |
| **Box** | Plastic PA66 housing grey | |
| **CE** | in accordance with EMC and low voltage directives. | |

## Device Peripherals
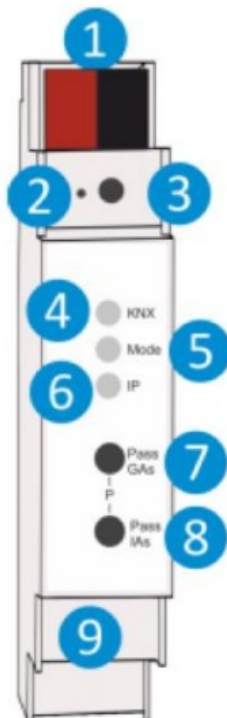


| | |
|---|---|
| 1 | KNX bus connector |
| 2 | Programming LED |
| 3 | Button func. programming mode |
| 4 | KNX LED (multicolor) |
| 5 | Mode LED (multicolor) |
| 6 | IP LED (multicolor) |
| 7 | Button „Pass GAs" |
| 8 | Button „Pass IAs" |
| 9 | LAN Connector |

## Functions

*IPR200 as Area Coupler*

*IPR200 as Line Coupler*

*IPR200 Area and Line Coupler*

**Commissioning**

Determination of the physical address and setting of parameters are actualized with Engineering Tool Software (ETS4 or higher). ".knxprod" file must be imported to the ETS.

**Note**
A detailed information about parameter configuration can be found in Product Manual of device.
Installation and commissioning of device may only be implemented by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

- When connecting the device make sure that the device can be isolated!
- Protect the device against moisture, dirt and damage during transport, storage and operation!
- Do not operate the device out of the specified technical data which is stated.
- The device may only be operated in closed enclosures (Distribution boards)
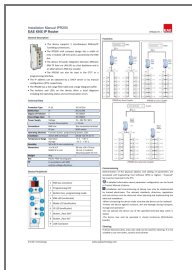
## Cleaning

If device becomes dirty, only a dry cloth can be used for cleaning. It is not suitable to use wet cloths, caustics and solvents.
**www.eaetechnology.com**

## Documents / Resources



**EAE Technology IPR200 KNX IP Router** [pdf] User Guide
IPR200 KNX IP Router, IPR200, KNX IP Router, IP Router, Router

## References

- **EAE Technology – KNX Akıllı Ev Sistemi, Aydınlatma Otomasyonu**
- **User Manual**