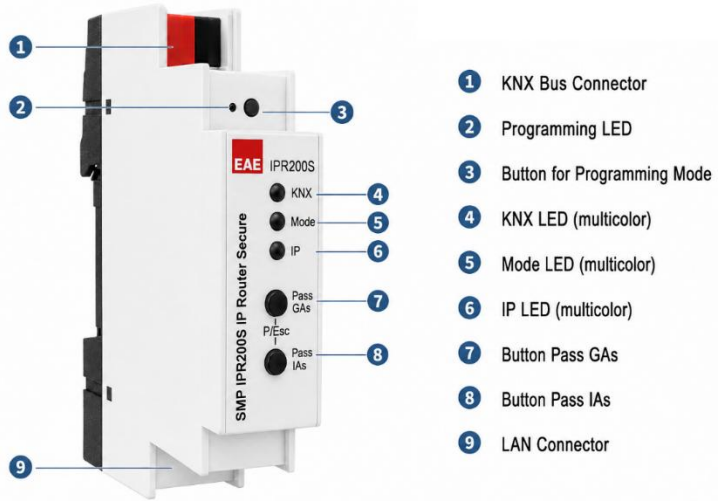
General Description

- The device supports 8 simultaneous KNXnet/IP Tunneling connections.
- The IPR200S with compact design has a width of only 1 module (18 mm) and is powered by the KNX bus.
- The device allows forwarding of telegrams between different lines through a LAN (IP) as a fast backbone.
- The device supports KNX Security, which can be enabled in ETS to prevent unauthorized access.
- As secure router the device allows coupling of not secured communication on KNX TP to a secured IP backbone. Also, for the interface functionality (tunneling) KNX security prevents from unauthorized access.
- The IPR200S has an extended filter table for main group 0..31 and is able to buffer up to 150 telegrams
- The IP address can be obtained by a DHCP server or by manual configuration (ETS) respectively.
- The buttons and LEDs on the device allow a local diagnosis including the operating status and communication errors.

Technical Data

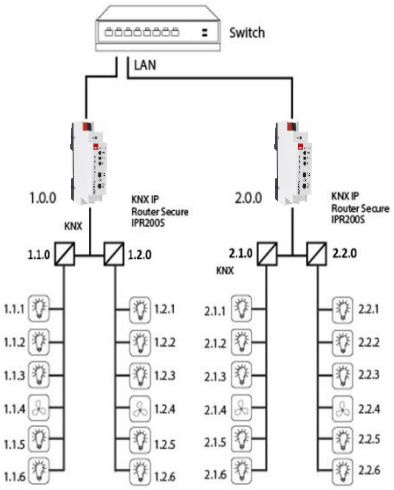
Protection Type	IP 20	IEC 60 529
Safety Class	III	IEC 61140
Power Supply	Voltage	21...30V DC, SELV
	Current Consumption	< 20 mA
Connections	KNX Line	Bus connection terminal
	IP Line	RJ45
Operating Elements	2 buttons and 3 LEDs (multicolor), KNX programming button with LED (red)	
Ethernet	100BaseT (100Mbit/s) Supported internet protocols ARP, ICMP, IGMP, UDP/IP, TCP/IP DHCP and Auto IP	
KNX	Medium IP/TP Max APDU length: 55 Simultaneous Connections: Up to 8 KNXnet/IP Tunneling Extended filter table for main group 0..31 KNXnet/IP Security (AES-128) Incl. Tunneling V2, Core V2 Device model: 0x091A	
Installation	1 unit (18 mm) DIN rail mount	
Temperature Range	Operation Storage	-5° C + 45° C -25° C + 70° C
Humidity	%5 to 93 % non-condensing	
Dimensions	-H x W x D Width W in mm	90 mm x 18 mm x 60mm 18 mm (1 module) Mounting depth 58 mm
Weight	40 g	
Box	Plastic (PC)	
CE	in accordance with: • EMC directive 2014 / 30 / EU • RoHS directive 2011 / 65 / EU • EN 63044-3: 2018, • EN 63044-5-1: 2019 • EN 63044-5-2: 2019,	 • EN 63044-5-3: 2019 • EN 61000-6-2: 2019 • EN 61000-6-3: 2021 • EN 63000: 2018

Device Peripherals

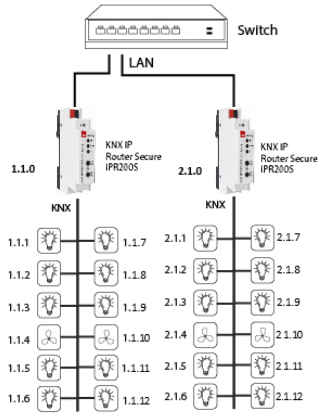


1. KNX Bus Connector
2. Programming LED
3. Button for Programming Mode
4. KNX LED (multicolor)
5. Mode LED (multicolor)
6. IP LED (multicolor)
7. Button Pass GAs
8. Button Pass IAs
9. LAN Connector

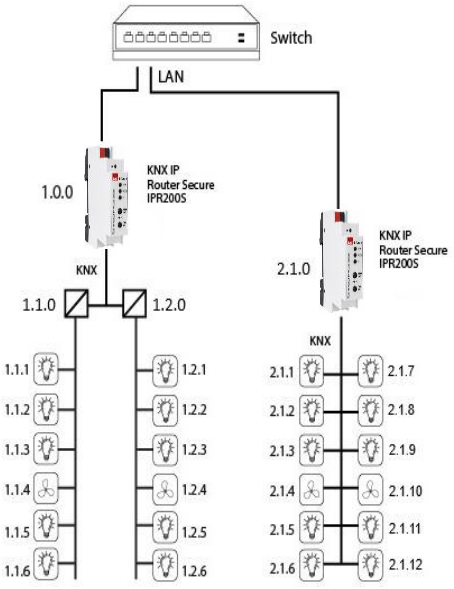
Functions



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 (ETS5.7 or higher). ".knxprod" file must be imported to the ETS.

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.