

## General Description



- The device is compact bus powered Router between LAN/Ethernet and 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 supports up to 8 simultaneous KNXnet/IP Tunneling connections.
- The device is powered directly via the KNX bus (no additional power supply required).
- The IPR200S has an extended filter table for main group 0..31 and is

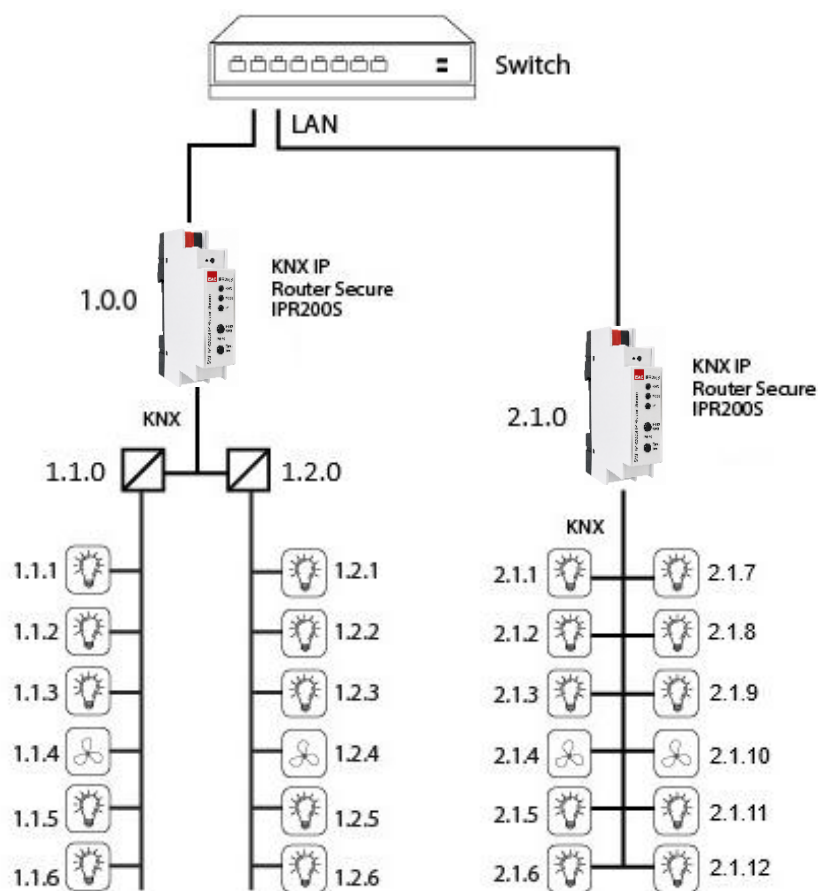
able to buffer up to 150 telegrams.

- The IP address can be obtained by a DHCP server or by manual configuration (ETS) respectively.
- The buttons and LEDs on the device provide local diagnostics, indicating operating status and communication errors.

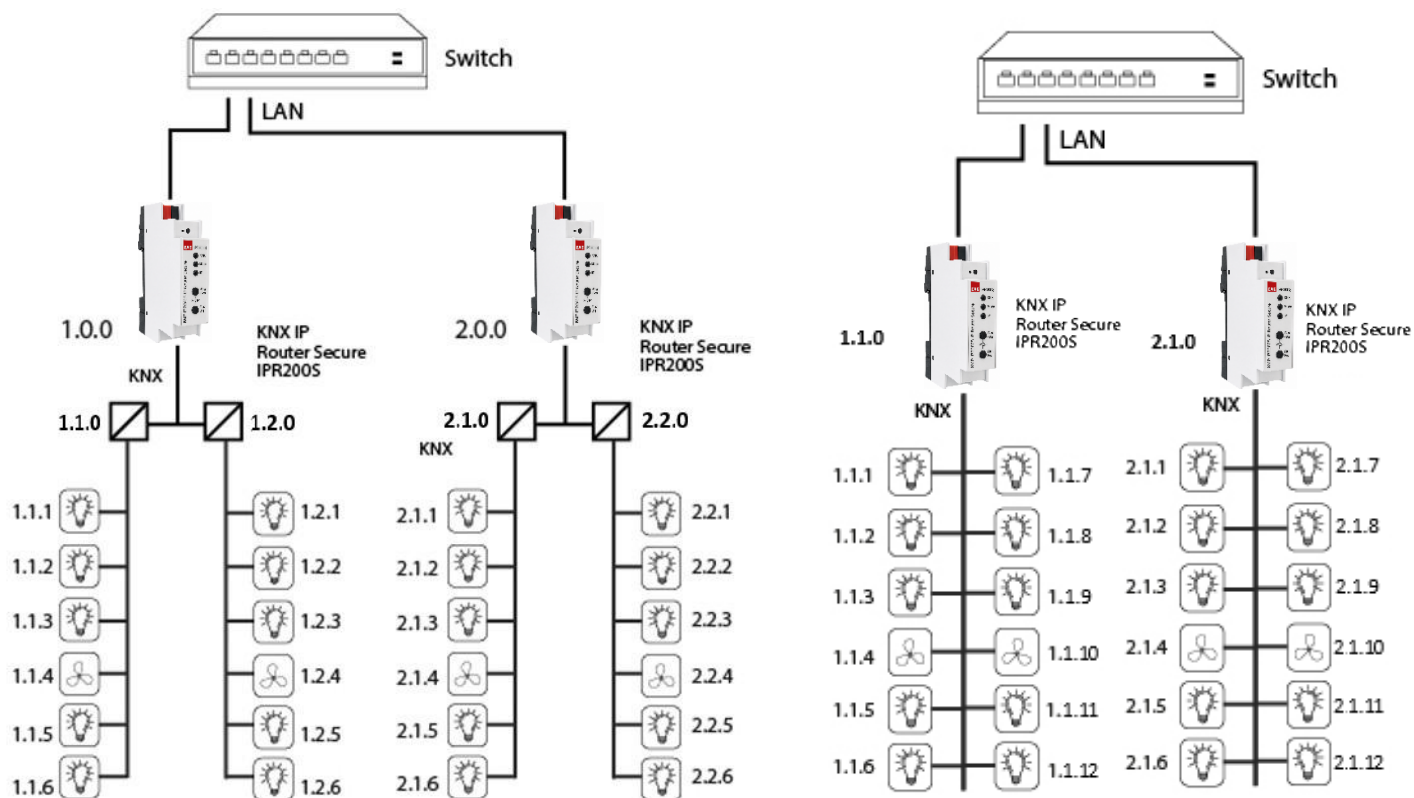
## Technical Data

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

## Connection Example



*IPR200 Area and Line Coupler*



*IPR200 as Area Coupler*

*IPR200 as Line Coupler*

## Scale Drawings

