WAVERLEY

S3 Synchronised
Solar Shading

Gira KNX IP Router

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The **Gira** KNX IP router connects KNX lines via data networks (Ethernet) using the Internet Protocol (IP). It uses the KNXnet/IP standard so that KNX telegrams can not only be forwarded between lines via an IP network, but bus access is also possible from a PC or other data processing devices.

The KNX IP router is suitable for use as an IP data interface.

Features:

- Connection of KNX lines with aid of data networks using the Internet Protocol (IP).
- Coupling to a KNX system together with the Gira Home Server or Gira Facility Server.
- Filtering and forwarding of telegrams.
- Use as line or area coupler.
- Use as KNX clock.
- Recording of KNX telegrams on microSD card.
- KNX Data Secure and KNX IP Secure for secure and tamper-proof communication in KNX.
- Up to four simultaneous tunnelling connections possible.
- Reliable communication for automatic correction of telegram losses in WLAN (Reliable Communication).
- For cover kit 2-gang, ref.-no.: ..502 TSA .. in the LS range
- Can not be combined with frames in Flat Design.
- Project design and commissioning with ETS5 or a more recent version.
- ETS product family: Push-button
- Product type: 2-gang Push-button

Technical Data

- KNX medium: KNXnet/IP and TP1-256
- Rated voltage: DC 24 to 30 V
- IP communication: Ethernet 10/100 BaseT (10/100 Mbit/s)
- Supported protocols: ARP, ICMP, IGMP, DHCP, AutoIP, UDP/IP (Core, Routing, Tunnelling, Device Management)
- MicroSD card: up to 32 GB
- Connections
  IP: Pin jack RJ45
  KNX: Connection and junction terminal
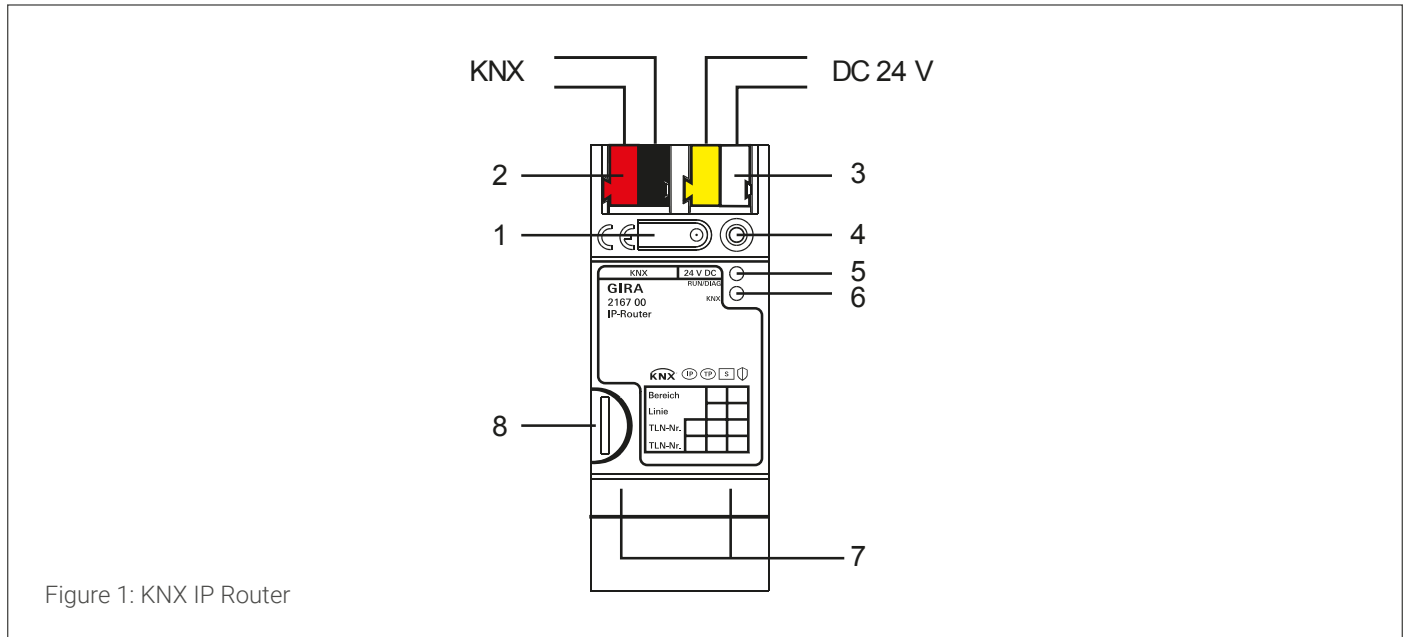- Ambient temperature: 0 °C to +45 °C

Device Components

Figure 1: KNX IP Router

1. Programming button
2. KNX connection
3. External power supply connection* 24 to 30 VDC ±10%.
4. Programming LED (red/yellow/orange)
      Red = router
      Yellow = data logger / clock
5. LED operation display (green)
      On: Ready for operation
      Flashing: Diagnosis code
6. LED KNX (yellow)
      On: KNX is connected
      Off: KNX is not connected flashing: Router is receiving data on KNX/TP line or on KNX IP line

7. Ethernet connection
      10/100 speed (green)
      0n: 100 Mbit/s
      0ff: 10 Mbit/s
    Link/ACT (orange)
      0n: link to IP network
      0ff: no connection flashing: data reception on IP
8. Micro SD card holder

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