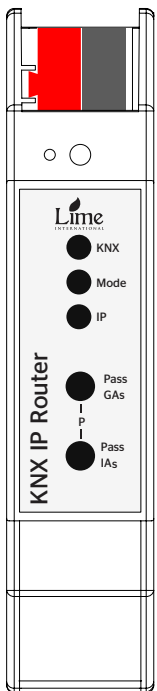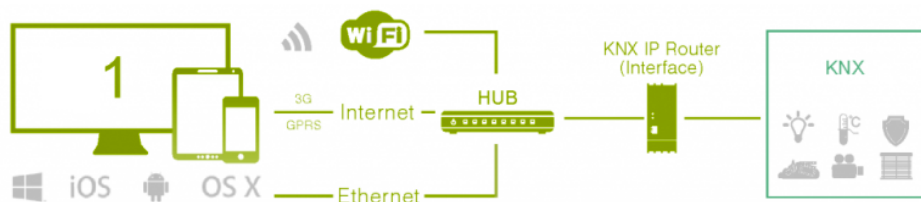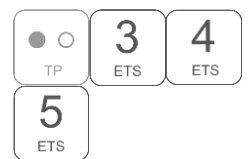# Lime Knx IP Router

DESCRIPTION.

Compact bus powered Router between LAN/Ethernet and KNX bus

The Lime KNX IP Interface is the successor of the well-tried KNX IP Router. The new compact design has a width of only 1module (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 Lime KNX IP Router can also be used in the ETS® as a programming interface. The KNX IP Router 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.

PRODUCTION IN GERMANY, CERTIIED ACCORDING TO ISO 9001

TECHNICAL SPECIFICATION

Electrical safety	♦ Protection (acc. EN 60529): IP 20
	♦ Bus safety extra low voltage SELV DC 29 V

CE marking according to	♦ EMC directive 2014 / 30 / EU
	♦ RoHS directive 2011 / 65 / EU
	♦ EN 50491 – 3 : 2009
	♦ EN 50491 – 5 – 1: 2010, EN 50491 – 5 – 2: 2010, EN 50491 – 5 – 3: 2010
	♦ EN 61000 – 6 – 2: 2005 EN 61000 – 6 – 3: 2007 + A1: 2011
	♦ EN 50581: 2012

TECHNICAL SPECIFICATION

Environmental requirements	● Ambient temp. operating: - 5 ... + 45 °C ● Ambient temp. non-op.: - 25 ... + 70 °C ● Rel. humidity (non-condensing): 5 % ... 93 %
Mechanical data	● Housing: plastic (PC) ● DIN rail mounted device, width: 1 unit (18 mm) ● Weight: approx. 40 g
Controls and Indicators	● 2 buttons and 3 LEDs, multicolor ● KNX programming button with LED (RD)
Ethernet	● 10BaseT (10Mbit/s) ● Supported internet protocols ARP, ICMP, IGMP, UDP/IP, DHCP and Auto IP ● Up to 5 KNXnet/IP Tunneling connections simultaneously
KNX	● Medium IP/TP ● Filter table 8 kByte
Power Supply	KNX Bus approx. 15 mA
Connectors	● Bus connector for KNX (RD / BK) ● LAN RJ-45 socket

INSTALLATION INSTRUCTIONS

The device may be used for permanent interior installations in dry locations, within distribution boards or small casings with DIN rail.
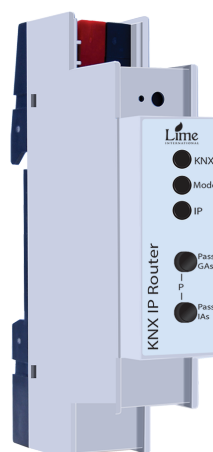
WARNING

○ The device may be built into distribution boards (230400/V).
○ The device must be mounted and commissioned by an authorized electrician.
○ The prevailing safety rules must be heeded.
○ The device must not be opened.
○ For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

KNX

This device is complies with the KNX guidelines. Detailed knowledge of KNX and KNX training are a pre-condition for understanding and proper installation.
Planning, installation and commissioning of the device are done withe KNX-certified software.

Support

The standard support is provided by the e-mail address:

Support@lime-smart.com