Parameters

Electric Parameters:	
KNX Bus voltage	DC21-30V
KNX Bus current	5mA
External power supply	DC 24V (DC 12 to 30V)
Power consumption	typ. 520mW, max. 800mW
External current	typ. 190mA
Environmental Conditions:	
Working temperature	-5℃~45℃
Storage temperature	-20℃~+60℃
Relative humidity (no condensing)	5%~93%
Approved	
CE	
RoHS	
Production Information:	
Dimensions	90×36(2SU)×70(mm)
Weight	66(g)
Housing material	ABS
Installation	DIN rail installation
Protection degree	IP20, EN60 529

Important Notes

Electrical safety:

■ Degree of pollution   2 to IEC 60664-1
■ Type of protection   IP 20 to EN 60529
■ Protection class   III to IEC 61140
■ Overvoltage category   III to EN 60664-1
■ KNX line   SELV DC 21to 30 V
■ Device complies with EN 50090-2-2, IEC 60664-1

CE mark:

■ In accordance with the EMC guideline and the low voltage guideline
■ The KNX net/IP may be used for permanent interior installations in dry locations within distribution boards or small casings with 35 mm DIN EN 60715 mounting rail.
■ Mounting and dismounting the KNX net/IP as for DIN EN 60715 rail equipment
■ Connecting the KNX-bus line: as for common KNX-Bus connections

KNX net/IP power supply:

■ Separate supply DC 24V
■ Alternatively: KNX power supply without throttle
Do not connect with the KNX-bus!

Overview

KNX net/IP Router   KNX net/IP Interface
M/IPRT.1   M/IPIF.1

The KNX net/IP connects the two communication media Ethernet and KNX.

Functions

■ The new KNXnet/IP Routing & Tunneling device offers as router the possibility to temporarily disable filtering of messages by pressing a button.
■ This eases commissioning of the system.
■ The temporary access to other lines is possible without download from ETS.
■ In addition, faulty communication on the bus is indicated through LEDs at the device.

Installation Step

Connections:

■ Power supply (WAGO bus connector)
■ KNX-bus(WAGO bus connector)–Ethernet connector (RJ45)
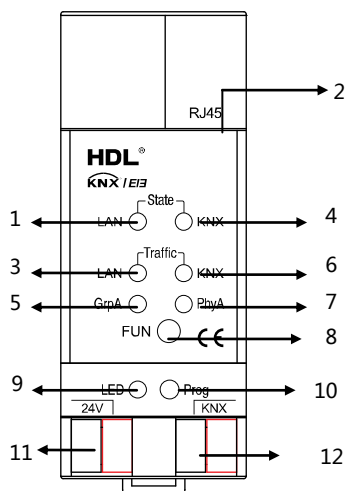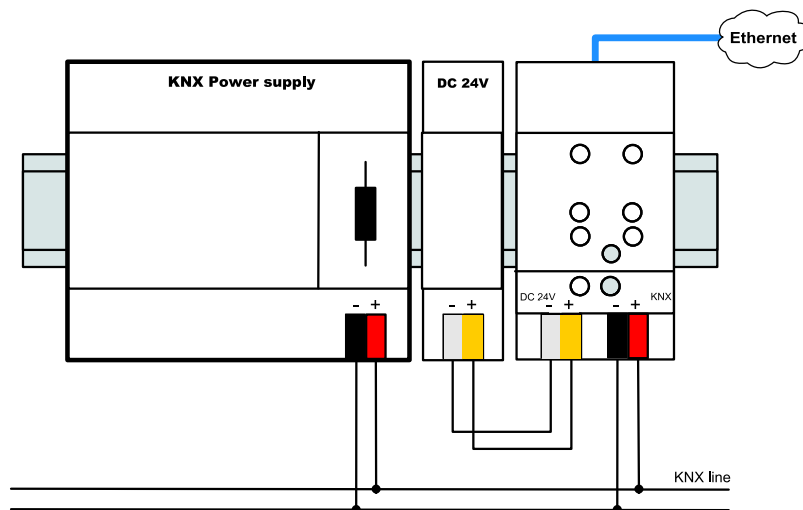Warning: May not be connected to 230V!

WAGO-block, screw less:

■ KNX-Cable (2 x 0.8 mm), to be stripped and plugged into the WAGO-block

Mounting:

■ On 35 mm mounting rail, DIN EN 60715
■ Connecting to Ethernet: to be connected as   for common Ethernet networks

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Dimensions and Wiring

1. LED Bus Stat LAN
2. Ethernet connector
3. LED Traffic LAN
4. LED Bus Stat KNX
5. Routing Group Telegrams *
6. LED Traffic KNX
7. Routing physical addressed *
8. Function button Telegrams
9. Programming LED
10. Programming button
11. Power Input:DC24V
12. KNX-BUS connector

*LEDs are not used for "IP-Interface"

Safety attention ⚠ WARNING

- The KNX net/IP must be mounted and commissioned by an authorised electrician
- When connecting the Module ensure that it can be isolated.
- The housing 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.

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