



Figure 1. KNX net/IP Router
图 1. KNX net/IP 路由器

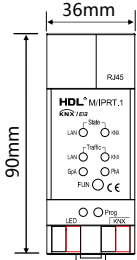


Figure 2. Dimensions - Front View
图 2. 尺寸图 - 正面

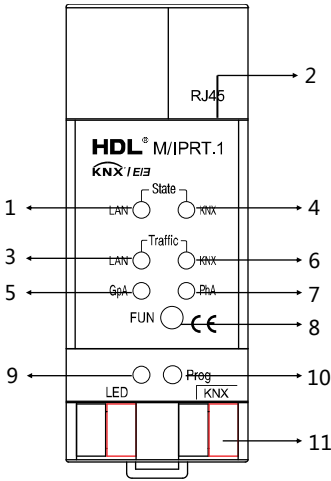


Figure 3 Components - Front View
图 3. 部件 - 正面图

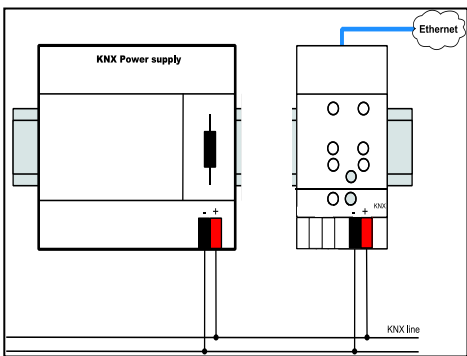


Figure 4. Wiring
图 4. 接线图

Overview

KNX net/IP Router (See Figure 1) enables data exchange between KNX net/IP line and TP1 bus, and data download and data monitoring are available via ETS software.

Functions

- Function key can temporarily stop data filtering, and data filtering will restore automatically when reaches the preset time.
- Fast data caching, reliable data delivery and validation
- Fast telegram data exchange between KNX net/IP and KNX TP1 bus through LAN network.
- Up to 4 channels for data debugging and monitoring for ETS or monitoring devices.
- 6 dual-color LED lights indicate all communication status.

Important Notes

Electrical safety:

- Pollution rating 2 - IEC 60664-1
- Protection type IP 20 - EN 60529
- Protection rating III - IEC 61140
- Overvoltage category III - EN 60664-1
- KNX cable SELV DC 21 - 30 V
- This 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 router should be installed in dry distribution board or in small box with 35mm DIN rail.
- The router shall be installed or disassembled according to the installation requirements of DIN EN 60715 Standard.
- Connecting to KNX Bus: as usual KNX bus KNX-Bus connections

Product Information

Dimensions - See Figure 2

Components - See Figure 3

- LAN status LED
- Ethernet connector
- LAN Traffic LED
- KNX Bus status LED
- Routing Group Telegrams LED
- KNX Traffic LED
- Routing physical address telegrams LED
- Function button-Telegrams in specified time
- Programming LED
- Programming button
- KNX-BUS connector

Wiring - See Figure 4

Safety Precautions



- The installation and commissioning of the device must be carried out by HDL or the organization designated by HDL. For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- HDL does not take responsibility for all the consequences caused by installation and wire connection that are not in accordance with this document.
- Please do not privately disassemble the device or change components, otherwise it may cause mechanical failure, electric shock, fire or body injury.
- Please resort to our customer service department or designated agencies for maintenance service. The warranty is not applicable for the product fault caused by private disassembly.

Package Contents

M/IPRT.1*1 / Datasheet*1

产品概述

KNX net/IP 路由器 (见图1) 为KNX net/IP线与TP1总线提供数据交换, 通过ETS软件实现数据下载和数据监控。

功能说明

- 功能键可临时取消数据过滤和筛选, 到达设定的时间后自动退出此功能。
- 高速的数据缓存, 可靠的数据发送和确认。
- 通过局域网实现KNX net/IP和KNX TP1总线之间快速的报文数据交换。
- 多达4个连接通道, 为ETS或监控设备实现数据调试和监控。
- 设有6个双色LED灯指示所有的通信状态。

注意事项

电气安全:

- 污染等级 2 - IEC 60664-1
- 防护类型 IP 20 - EN 60529
- 防护等级 III - IEC 61140
- 过压类别 III - EN 60664-1
- KNX电缆 SELV DC 21 - 30 V
- 该设备符合EN 50090-2-2, IEC 60664-1标准。

CE标识:

- 符合EMC指引及低压指引
- KNX net/IP 路由器应安装在干燥的电箱内或带有35mm丁导轨的小盒子里。
- 路由器须按照DIN EN 60715标准丁轨设备安装要求进行安装或拆卸。
- 连接KNX总线: 按照通常KNX总线连接。

产品信息

产品尺寸 - 见图 2

产品部件 - 见图 3

- 网络状态LED
- RJ45连接端子
- 网络通讯 LED
- KNX总线状态LED
- 路由组报文状态LED
- KNX通讯LED
- 路由物理地址报文状态LED
- 功能按键 - 规定时间内通过所有报文
- 编程 LED
- 编程按键
- KNX总线端子

接线图 - 见图 4

安全警告



- 本设备的安装及调试工作必须由我司或我司指派的机构进行。其电气安装的计划和施工, 必须遵守当地相关的安全标准和法规。
- 未按照本说明书进行安装及接线方式的, 所造成的一切后果皆与我司无关。
- 请不要私自拆装或更换零部件, 否则可能会导致机械故障、电击、火灾或身体伤害。
- 请将一切维修工作交由我司售后部门或指定机构进行, 本产品的保修范围不适用于因用户拆卸产品而导致的故障。

装箱清单

M/IPRT.1*1 / 说明书*1

Technical Data

Basic Parameters	
Working voltage	21~30V DC
Working current	5mA / 30V DC
Power consumption	typ. 520mW, max. 800mW
Communication	KNX
Cable diameter of KNX terminal	0.6 – 0.8mm
External Environment	
Working temperature	-5°C~45°C
Storage temperature	-20°C~60°C
Relative humidity (non-condensing)	≤93%
Specifications	
Dimensions	90×36(2SU)×70(mm)
Net weight	66g
Housing material	ABS
Installation	35mm DIN rail installation
Protection rating (Compliant with EN 60529)	IP20

Name and Content of Hazardous Substances in Products

Components	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr (VI))	Poly-brominated biphenyls (PBB)	Poly-brominated diphenyl ethers (PBDE)
Plastic	o	o	o	o	o	o
Hardware	o	o	o	o	-	-
Screw	o	o	o	x	-	-
Solder	x	o	o	o	-	-
PCB	x	o	o	o	o	o
IC	o	o	o	o	x	x

The symbol "-" indicates that the hazardous substance is not contained.

The symbol "o" indicates that the content of the hazardous substances in all the homogeneous materials of the component is below the limit requirement specified in the Standard IEC62321-2015.

The symbol "x" indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in the Standard IEC62321-2015.

KNX Cable Guide

KNX	KNX cable
-	Black
+	Red

技术参数

基本参数	
工作电压	21~30V DC
工作电流	5mA / 30V DC
功耗	typ. 520mW, max. 800mW
通信方式	KNX
KNX端子要求线径	0.6 – 0.8mm
外部环境	
工作温度	-5°C~45°C
储存温度	-20°C~60°C
相对湿度 (不凝结)	≤93%
产品规格	
尺寸	90×36(2SU)×70(mm)
净重	66g
外壳材料	ABS
安装方式	35mm丁导轨安装
防护级别 (符合 EN 60529)	IP20

产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑胶组件	o	o	o	o	o	o
五金铜件	o	o	o	o	-	-
螺丝组件	o	o	o	x	-	-
焊锡	x	o	o	o	-	-
PCB组件	x	o	o	o	o	o
IC	o	o	o	o	x	x

- : 表示不含有该有害物质。

o : 表示该有害物质在该部件所有均质材料中的含量均在IEC62321-2015规定的限量要求以下。

x : 表示该有害物质至少在该部件的某一均质材料中的含量超出IEC62321-2015规定的限量要求。

KNX总线定义

KNX	KNX 电缆
-	黑
+	红

技术支持
服务热线：020-85820195
(工作时间：9:00-12:00, 13:00-18:00, 星期一至星期五)
邮箱：kfb@hdlchina.com.cn
网址：http://www.hdlchina.com

Technical support
E-mail: support@hdlautomation.com
Website: https://www.hdlautomation.com