HDL®

M/P960.1
KNX 960mA Power Supply Module

Hardware Version：B

KNX®

Datasheet

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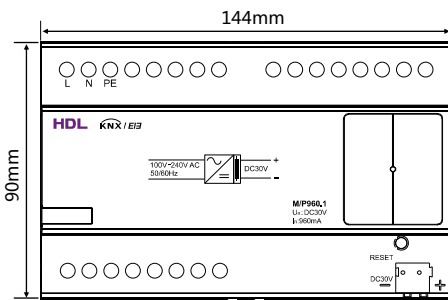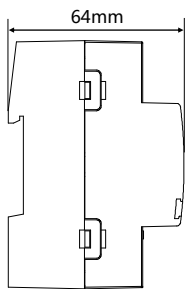Figure 1. KNX 960mA Power Supply Module

Figure 2. Dimensions - Front View
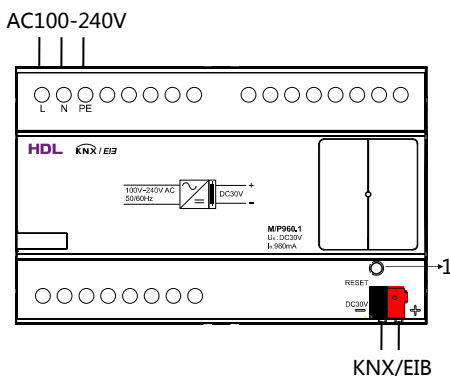

Figure 3. Dimensions - Side View

AC100-240V

KNX/EIB

Figure 4. Wiring

Overview

KNX 960mA Power Supply Module (See Figure 1) is fully compliant with European safety standards and KNX standard protocol. It can provide up to 960mA current to KNX/EIB bus.

Functions

■ KNX Power Supply Module provides maximum current 960mA to KNX/EIB bus.

■ Overload protection and over current protection.

■ Output short circuit protection.

■ Keep pressing the RESET button for 2 seconds to reset the device.

Important Notes

■ Installation - Distribution board. When the device is installed outdoors, please pay attention to water-proof installation.

■ Dedicated device - this device is only used to supply power to KNX/EIB equipment and cannot supply power to other types of equipment.

Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4

1. RESET button and LED indicator

LED indicator:

Green LED: normal working mode

Red LED: overload

RESET button: Keep pressing the RESET button for 2s to reset the device.

Installation - See Figure 5 - 7

Step 1. Fix the DIN rail with screws.

Step 2. Buckle the bottom cap of KNX 960mA Power Supply Module on the edge of the DIN rail.

Step 3. Press the device on the DIN rail, slide it and fix it up until an appropriate position is adjusted.

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.

■ The device should be installed with DIN rail in DB box. 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
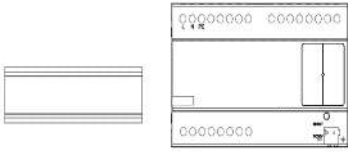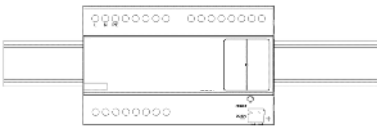
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Figure 5

Figure 6

Figure 7

Figure 5 – 7. Installation

Technical Data

Basic Parameters

Input voltage	AC100-240V(50/60Hz)
Output voltage	30V DC
Output current	960mA
Communication	KNX
Power loss	< 20%
Power on time	<2s
User controls	Button reset EIB
Green LED	Output normal
Red LED	Overload (I> I_{max})
Cable diameter of KNX terminal	0.6 – 0.8mm

External Environment

Working temperature	-5℃~45℃
Working relative humidity	≤90%
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%

Specifications

Dimensions	144mm×90mm×64mm
Net weight	390g
Housing material	Nylon
Installation	35mm DIN rail installation (See Figure 5 - 7)
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	×	-	-
Solder	×	o	o	o	-	-
PCB	×	o	o	o	o	o

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 "×" 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