M/PCI.1

KNX Panel Power Interface EU

M/PCI.3

KNX Panel Power Interface US

Datasheet

Issued: August 21, 2019

Edition: V1.0.0

Figure 1. KNX Panel Power Interface EU

Figure 2. KNX Panel Power Interface US

Overview

KNX Panel Power Interface EU(US) (See Figure 1-2) has two interfaces, and one interface connects to KNX/EIB, the other connects to panel or sensor, etc. The power interface provides power supply and communication signal to KNX panels or sensors.

Functions

- Provide panel or sensor with working power
- Provide panel or sensor with communication signal

Important Notes

- The panel should be installed in the wall box.
- Bus cable - KNX/EIB standard cable
- The power interface should work in conjunction with panel or sensor.

Product Information

Dimensions - See Figure 3 - 8

1. Screw hole: For fixing power interface in wall box with screws.

2. Communication interface: Connects to panel or sensor

3. Metal plate

4. KNX connector

Installation - See Figure 9 - 11(Take M/PCI.1 as an example)

Step 1. Install the wall box in the wall.

Step 2. Fix the power interface onto the wall box with screws.

Step 3. Hold the edge of the panel, and insert the panel in the slots of power interface vertically.

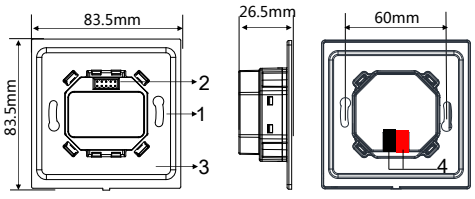

Figure 3 Figure 4 Figure 5

M/PCI.1

Figure 3 - 5. Dimensions

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 wall box mounted. HDL takes no responsibility for all consequences caused by installation and wire connection which 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.

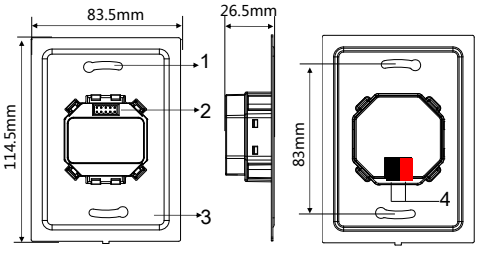

Figure 6 Figure 7 Figure 8

M/PCI.3

Figure 6 - 8. Dimensions

Package Contents

M/PCI.1 or M/PCI.3*1 / Datasheet*1 / Long screw*2 / Short screw*2

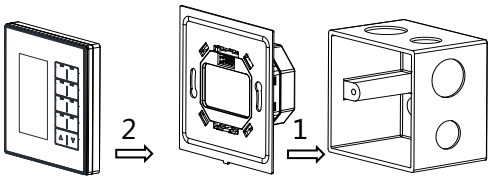

Figure 11. Modern Series Panel Figure 10. Power interface Figure 9. Wall box

Figure 9 - 11. Installation

Technical Data

Basic Parameters	
Working voltage	21~30V DC
Communication	KNX
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	EU: 83.5×83.5×26.5 US: 83.5×114.5×26.5(mm)
Net weight	EU: 103g US: 132g
Housing material	Flame-retardant nylon, metal
Installation	Wall box (See Figure 9 - 11)
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
IC	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
+	Red
-	Black

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