M/PCI2PE.1

KNX Panel Power Interface EU (with External Power Supply)

M/PCI2PU.2

KNX Panel Power Interface US (with External Power Supply)

Hardware Version: A

**Datasheet**

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Figure 1. KNX Panel Power Interface EU (with External Power Supply)

Figure 2. KNX Panel Power Interface US (with External Power Supply)

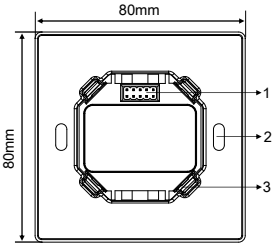


Figure 3. Dimensions - Front View (EU)

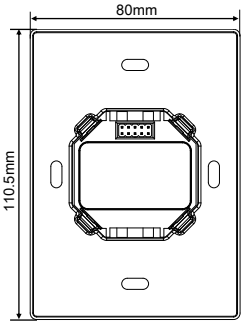


Figure 4. Dimensions - Front View (US)

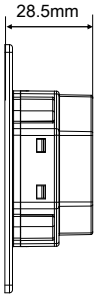


Figure 5. Dimensions - Side View (EU)

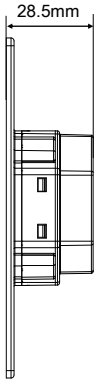


Figure 6. Dimensions - Side View (US)

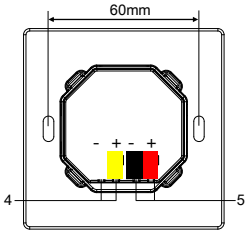


Figure 7. Dimensions - Back View (EU)

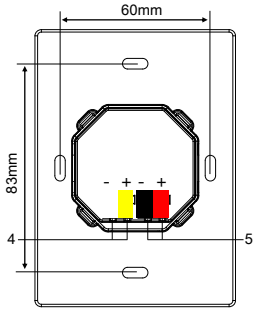


Figure 8. Dimensions - Back View (US)

## Overview

KNX Panel Power Interface EU/US (with External Power Supply) (See Figure 1-2) has 2 power interfaces. The KNX bus power interface is a standard KNX communication interface; the auxiliary power interface is connected to an external power supply to provide an auxiliary power input for the matching panel.

Its main features include:

- Provides working and communication power for matching panels
- Provides auxiliary power supply for matching panels

## Components and Operation

**Dimensions - See Figure 3 - 8**

1. **Communication interface:** Connects to panel
2. **Screw hole:** For fixing KNX Panel Power Interface (with External Power Supply) in wall box with screws.
3. **Metal plate**
4. **Interface of 20-30V DC auxiliary power input**
5. **KNX connector**

## Installation

**Installation - See Figure 9** (Take KNX Panel Power Interface EU (with External Power Supply) as an example )

Step 1. Install the wall box in the wall.

Step 2. Fix the KNX Panel Power Interface EU (with External Power Supply) onto the wall box with screws.

Step 3. Hold the edge of the panel, and insert the panel in the slots of KNX Panel Power Interface EU(with External Power Supply) vertically.

## Note(s)

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

## 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 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

KNX Panel Power Interface (with External Power Supply)*1 / Datasheet*1 / Screw(M4*28mm)*2 / Screw(M4*50mm)*2

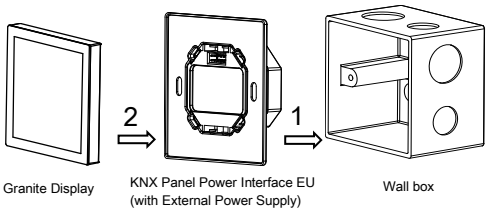


Figure 9. Installation

## Technical Data

| Basic Parameters | |
|---|---|
| Working voltage | 21~30V DC |
| Auxiliary power supply | 20~30V 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: 80×80×28.5(mm)<br>US: 110.5×80×28.5(mm) |
| Net weight | EU: 78g, US: 87g |
| Housing material | Flame-retardant nylon, metal |
| Installation | Wall box (See Figure 9) |
| 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 |
|---|---|
| - | Black |
| + | Red |

**Technical support**
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Website: https://www.hdlautomation.com