HDL®

Datasheet | Touch Control Panel (Normal & XL)

Parameters

Electrical Parameters (from HDL-MPLPI.46-A):

Power Supply	DC12-30V
Power consumption (from HDL-MPLPI.46-A)	20mA/DC24V

Environmental Conditions:

Working Temperature	-5℃~45℃
Working relative Humidity	Up to 90%
Storage Temperature	-20℃~+60℃
Storage relative Humidity	Up to 93%

Approved

CE
RoHS

Product Information:

Dimensions	86×116.5×10.5 (mm) (Normal) 96×126.5×10.5 (mm) (XL)
Net weight	132.6g (Normal) 163.4g (XL)
Housing material	Glass, PC, ABS, Aluminum
Installation	US wall box
Protection rating	IP20

Important Notes

- ■ It must work in conjunction with HDL-MPLPI.46-A.
- ■ **Real product may be different from pictures on the right.**
- ■ Touch performance – touch panel sensitivity need to be readjusted after installation.
- ■ IR receiver function – only available for customized touch panel with IR receiving hole.
- ■ The cover can be replaced by the user .
- ■ Buspro cable - HDL Buspro/KNX cable, 0.8mm single-core copper cable.
- ■ BusproConnection - Series connection (hand-in-hand).
- ■ Installation - US wall box.

Installation Steps

- ■ Connect bus cables. Make sure the color of wire complies with the definition
- ■ Make sure the Buspro cable type is correct and has no short circuit
- ■ Mount the HDL-MPLPI.46-A in the wall-box
- ■ Put this device into HDL-MPLPI.46-A

Overview

HDL-MPT2.46-A   HDL-MPT4.46-A   HDL-MPT6.46-A

Multi-function control panel, embedded with RGB LED backlight for each touch button, any color is available for the button via setting in HDL Buspro configuration tools software.

Functions

- ■ Key Mode: Single on/off, Single on, Single off, Combination on, Combination off, Combination on/off, Short/long press, Momentary, Short press/long press..
- ■ Key Control Type: Scene, Sequence, Timer, Universal Switch, Single Channel Control, Broadcast Scene, Broadcast Channel, Curtain Control, GPRS Control, Panel Control, Security Module, Music Play, Universal Control, etc.
- ■ Built-in IR receiver, need to replace a plate with an IR receiving hole to enable the IR remote control function.
- ■ Test bus voltage function
- ■ Adjustable backlight color and intensity .
- ■ Support HDLBuspro online upgrading.
- ■ Customized image for touch panel.
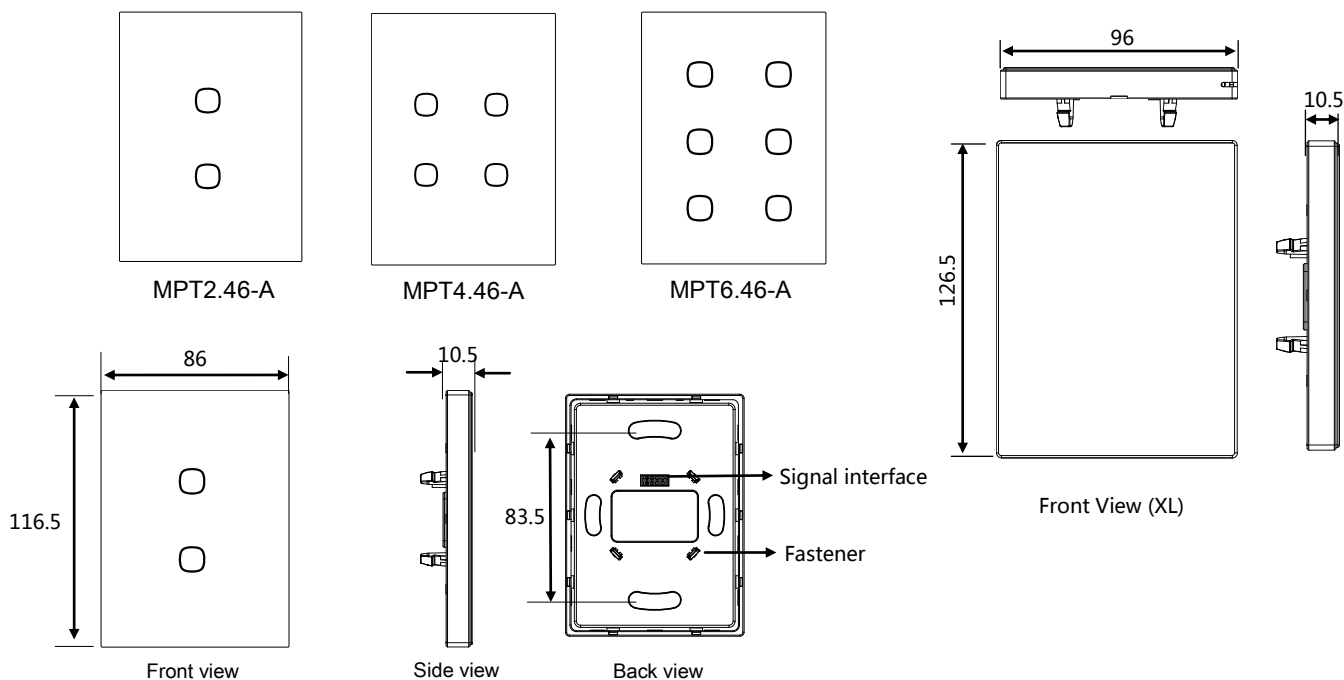
Safety Precautions ⚠ WARNING

- ■ The screw down strength should not exceed 0.1Nm
- ■ Mounting position: indoor
- ■ Do not make wrong connection on Buspro interface, it will damage the Buspro interface of this module
- ■ Never let liquids get into the module, it will damage this device
- ■ Do not get AC power into Bus wire , it will damage all devices in the system
- ■ Ensure good ventilation
- ■ Avoid contact with liquids and aggressive gases

HDL Buspro Cable Guide

CAT5/CAT5E	HDL Buspro	HDLBuspro/KNX
Brown/ Orange	DC24V	Red
Brown white/ Orange white	COM	Black
Blue white/Green white	DATA-	White
Blue/ Green	DATA+	Yellow

Dimensions

MPT2.46-A   MPT4.46-A   MPT6.46-A

Front View (XL)

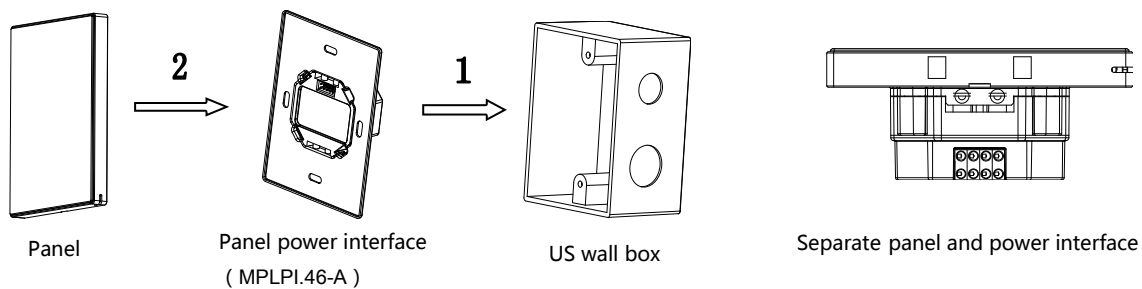Front view   Side view   Back view

Signal interface

Fastener

Touch button function: On/off, dimming.

Address modification: Press any of button for 15s, all the backlights will flash, the address of this device can be changed on HDL Buspro software: submenu "address management→address modify".

Signal interface and fastener: Connect to panel power interface (MPLPI.46-A).

Installation

Panel

Panel power interface
（MPLPI.46-A）

US wall box

Separate panel and power interface

Installation: Hold the edge of panel insert the power interface module vertically.

Split: Panel and panel power interface by magnetic suction, you can split them apart directly.

Package Contents

■ Datasheet*1 / Panel *1