HDL-MP2B.48-A
iFlex Series 2 Buttons Smart Panel EU
HDL-MP4B.48-A
iFlex Series 4 Buttons Smart Panel EU
HDL-MP6B.48-A
iFlex Series 6 Buttons Smart Panel EU
HDL-MP8B.48-A
iFlex Series 8 Buttons Smart Panel EU

HDL-MP4B.46-A
iFlex Series 4 Buttons Smart Panel US
HDL-MP8B.46-A
iFlex Series 8 Buttons Smart Panel US

Datasheet

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Figure 1. HDL-MP2B.48-A


Figure 2. HDL-MP4B.48-A


Figure 3. HDL-MP6B.48-A


Figure 4. HDL-MP8B.48-A


Figure 5. HDL-MP4B.46-A


Figure 6. HDL-MP8B.46-A

Overview

iFlex Series Smart Panel EU(US) (See Figure 1-6) is a multi-function control panel. Mechanical control buttons and multiple button control types are available. Button labels can be replaced, and plate material and color can be chosen.

Functions

- Key modes: Single on/off, Single on, Single off, Combination on, Combination off, Combination on/off, Double click single on/off, Double click combination on/off, Inching, Short/long press, Short press/long momentary.
- Key control types: Scene, Sequence, Timer Switch, Universal Switch, Single Channel Lighting Control, Broadcast Scene, Broadcast Channel, Curtain Switch, GPRS Control, Panel Control, Security Module, Music Control, etc.
- Button lock, mutually exclusive function.
- Customizable button labels.
- Adjustable key LED status
- Supports online upgrading via HDL Buspro Setup Tool 2.

Important Notes

- The panel should be wall box mounted.
- The panel must work in conjunction with the power interface.
- It is recommended to adopt Buspro connection - Series connection (hand-in-hand).
- Buspro cable - Dedicated HDL Buspro cable

Product Information

Dimensions - See Figure 7 - 12

1. Button indicator: It indicates the status of the controlled target. When it is in on-status, the LED indicator shows the set color for on-status; When it is in off-status, the LED indicator shows the set color for off-status.

2. Button label: User can make and replace the button labels.

3. Push button: On/off, dim

4. Communication interface: Connects to panel power interface.

5. Fastener: Connects the panel to the power interface.

6. Split gap: Insert a slotted screwdriver to the split gap to separate the panel and power module.

Address modification: Keep pressing any button for about 15s, and then all button LED indicators will flash simultaneously, modify the address in HDL Buspro Setup Tool by step “Address Management > Address Modification”, then press any button to exit program mode.

Panel unlock: After the button is locked, press the top left button and the bottom right button (Button A1 and A4) for about 2s.

Product installation and disassembly

(Take HDL-MP6B.48-A as an example)

Installation - See Figure 13 - 15

Step 1. Fix the power interface into the wall box with screws.

Step 2. Hold the edge of the panel, then insert the panel into the power interface module vertically.

Disassembly - See Figure 16

Step 1. Insert the panel gap with a slotted screwdriver.

Step 2. Pry up the panel gently and hold the edge panel. Then the panel can be taken off.

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 replace parts, 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

Panel*1 / Datasheet*1 / Button label *n (n is button number)

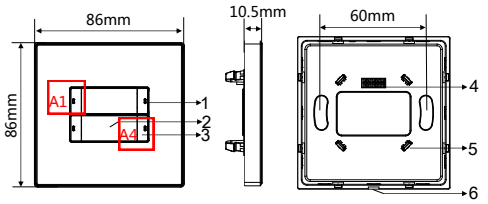

Figure 7 Figure 8 Figure 9

HDL-MP4B.48-A

Figure 7 - 9. Dimensions

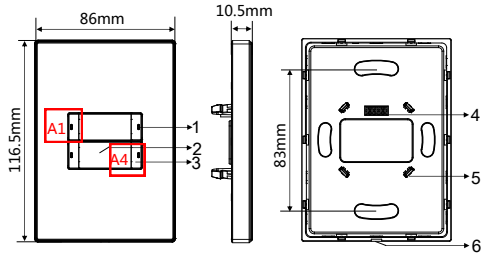

Figure 10 Figure 11 Figure 12

HDL-MP4B.46-A

Figure 10 - 12. Dimensions

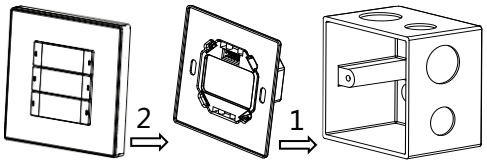

Figure 15 Figure 14 Figure 13

Figure 13 – 15. Installation

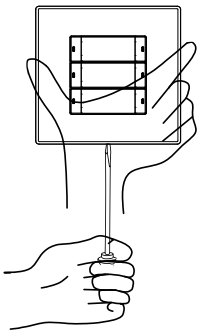

Figure 16. Disassembly

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

Technical Data

Basic Parameters	
Working voltage	12~30V DC
Working current	15mA/24V DC
Communication	HDL Buspro
Cable diameter of Buspro 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: 86×86×10.5(mm) US: 86×116.5×10.5(mm)
Net weight	EU: 107g US: 134g
Housing material	Glass, PC, ABS, aluminum
Installation	Wall box (See Figure 13 - 15)
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	×	×
Glass	o	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.

HDL Buspro Cable Guide

HDL Buspro	HDL Buspro Cable
DATA+	Yellow
DATA-	White
COM	Black
24V DC	Red