

HDL-MPTF02.48/46 Prism Lite/Two-Button Touch Panel EU/US
方质Lite/2按键触控面板 欧标/美标

HDL-MPTF04.48/46 Prism Lite/Four-Button Touch Panel EU/US
方质Lite/4按键触控面板 欧标/美标

HDL-MPTF06.48/46 Prism Lite/Six-Button Touch Panel EU/US
方质Lite/6按键触控面板 欧标/美标

buspro

Datasheet

产品说明书

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HDL-MPTF02.48

Figure 1 / 图1

HDL-MPTF04.48

Figure 2 / 图2

HDL-MPTF06.48

Figure 3 / 图3



HDL-MPTF02.46

Figure 4 / 图4

HDL-MPTF04.46

Figure 5 / 图5

HDL-MPTF06.46

Figure 6 / 图6

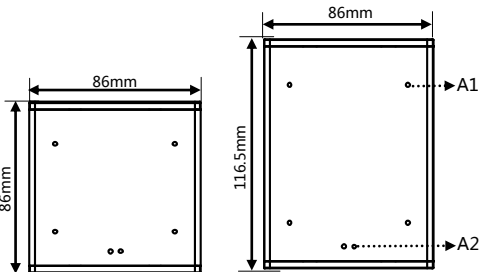


Figure 7 / 图7

Figure 8 / 图8

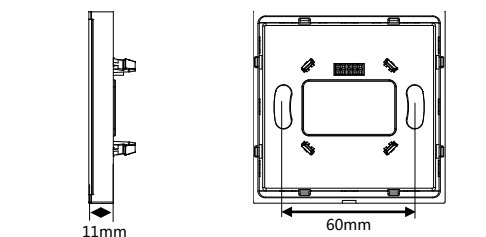


Figure 9 / 图9

Figure 10 / 图10

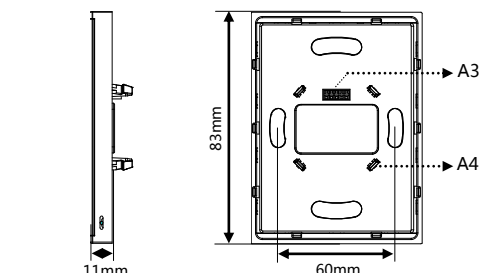


Figure 11 / 图11

Figure 12 / 图12

Dimensions-Take Prism Lite/Four-Button Touch Panel EU/US as an example

Overview

Prism Lite (See Figure 1-6) is a multifunction control panel for home automation, which provides convenient way to control lighting, curtain, scenes, etc. The panel will wake up automatically when it senses user approaching.

Functions

- Built-in temperature sensor and proximity sensor;
- The panel wakes up automatically;
- Key RGB indicating and sound effects;
- Security settings: Various security modes can be set, such as Vacation, Away, Day, Night, Meeting guests;
- Key Modes: Invalid, Single on/off, single on, single off, combination on/off, combination on, combination off, double click/single on/off, double click/combination on/off, momentary, clock, short/long press, short press/long momentary press, etc.;
- Key control types: Scene, Universal switch, Single channel adjustment, Broadcast scene, Broadcast channel, Curtain control, GPRS control, Panel control, Alarm control, Music play, General control etc.;
- Panel control function includes: Status indicator luminance setting etc.;
- Supports simple programming mode;
- Upgrading online via HDL Buspro is available.

Important Notes

- The panel must be wall box installation.
- The panel must work in conjunction with power interface.
- It is recommended to adopt Buspro connection - Series connection

Product Information

Product dimensions—See Figure 7-12

A1: Control Button & Indicator:

Control button: Used to control target. Sound effect can be set.

Indicator: It indicates status of the controlled target. When it is in on-status, the LED indicator shows the setting color for on-status; When it is in off-status off, the LED indicator shows the setting color for off-status. User can set the color and brightness of the status indicator in HDL Buspro Software.

Address modification: Keep pressing any button for 15s, all the backlights will flash, the address of the panel can be modified via HDL Buspro software: Submenu "address management→address modify". Afterwards, press any button to exit address setting mode and the backlights stop flashing.

A2: Proximity Sensing: Also known as wake-up function. When human body approaches the sensor, the panel backlights will be lit up (Both Energy-saving Mode and Enable Proximity Sensing should be chosen in HDL Buspro Software).

A3: Communication interface: HDL Buspro. It connects to panel power interface module.

A4: Fastener: It connects to panel power interface module.

Product installation and disassembly (Take HDL-MPTF04.48 as an example)

Installation (See Figure 13-15): Fix the power interface into the wall box with screws. Hold the edge of panel, then insert the panel into the power interface module vertically.

Disassembly (See Figure 16): Insert the panel gap with a slotted screwdriver, and 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 installed in wall box. HDL does not take responsibility for all the consequences caused by installation and wire connection that are not in accordance with this specification.
- 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 / Warranty card*1

产品概述

方质Lite (见图1-6) 是一款智能家居多功能控制面板。它可便捷地实现对灯光, 窗帘, 场景等控制。接近传感器可在您靠近的时候唤醒面板。

功能说明

- 内置温度传感器及接近传感器
- 面板唤醒功能
- 按键指示灯RGB显示及声音提示
- 安防设置: 可设置各种安防模式, 如度假, 离开, 白天, 夜晚, 会客等
- 按键模式: 无效模式、单一开/关、单一开、单一关、组合开/关、组合开、组合关、双击/单一开、双击/组合开、点动、短按/长按、短按/长点动等
- 按键控制类型: 场景、通用开关、单路调节、广播场景、广播回路、窗帘控制、GPRS控制、面板控制、消防模块、音乐播放、通用控制等
- 面板控制包括: 状态灯亮度设置
- 支持简易编程模式
- 支持HDL Buspro在线升级

注意事项

- 面板必须暗盒安装。
- 必须与面板电源接口模块配合使用
- 总线连接 - 推荐使用手拉手的连接方式

产品信息

产品尺寸—见图 7-12

A1: 按键&指示灯:

控制功能, 用于控制目标。按键可以设置是否有按键音提示。

指示功能, 指示被控目标的状态。状态开时LED灯显示设定的开颜色, 状态关时LED灯显示设定的关颜色。指示灯颜色和亮度可在HDL Buspro软件中自定义设置。

地址修改: 长按任意一个按键约15s, 按键灯一起闪烁, 此时可通过“HDL Buspro系统控制软件”的“地址管理→地址修改”对该模块进行地址设置, 再按任意一个按键, 按键指示灯停止闪烁, 退出设置。

A2: 接近感应: 即唤醒功能。当人体靠近此处时, 面板背光灯会被点亮(需在HDL Buspro软件中同时勾选节能模式和启用接近感应)。

A3: 通信接口: HDL Buspro。与电源接口模块连接。

A4: 卡扣: 与电源接口模块连接。

设备的安装和拆卸(以HDL-MPTF04.48为例)

安装 (见图13-15): 用螺丝将电源接口模块固定在暗盒里。手持面板边缘, 对准卡口, 垂直插入电源接口模块, 不可过分用力按压面板。

拆卸面板(见图16): 用一字螺丝批插入面板缺口, 轻撬面板, 手握面板边缘, 即可取下面板。

安全警告

- 本设备的安装及调试工作必须由我司或我司指派的机构进行。其电气安装的计划和施工, 必须遵守当地相关的安全标准和法规。
- 该产品需安装在暗盒内, 未按照本说明书进行安装及接线方式的, 所造成的一切后果皆与我司无关。
- 请不要私自拆装或更换零部件, 否则可能会导致机械故障、电击、火灾或身体伤害。
- 请将一切维修工作交由我司售后部门或指定机构进行, 本产品的保修范围不适用于因用户拆卸产品而导致的故障。

装箱清单

面板*1 / 说明书*1 / 保修卡*1

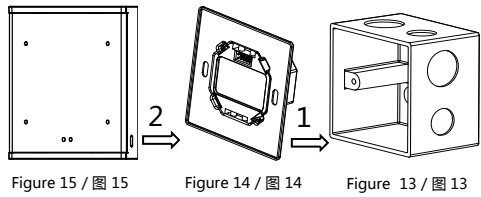


Figure 15 / 图 15

Figure 14 / 图 14

Figure 13 / 图 13

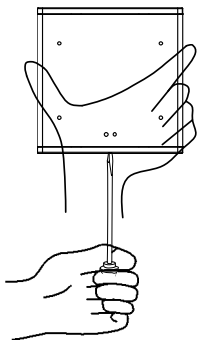


Figure 16 / 图 16

EN

Technical Data

Electrical Parameters

Working voltage	12~30V DC
Power consumption	MPTF02.48/46: 18mA/24V DC MPTF04.48/46: 27mA/24V DC MPTF06.48/46: 29mA/24V DC
Communication	HDL Buspro
Buspro terminal	0.6-0.8mm single core cable

External Environment

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

Specifications

Dimensions	EU: 86×86×11 (mm) US: 86×116.5×11 (mm)
Net weight	EU: 106g US: 137g
Housing material	Glass, Aluminum
Installation	Wall box (See Figure 13-15)
Protection rating (Compliant with EN 60529)	IP20

Name and content of harmful substances in products

Harmful substances	Part components			
	Circuit board	Housing	Wire	Accessory
Lead (Pb)	o	o	o	o
Mercury (Hg)	o	o	o	o
Cadmium (Cd)	o	o	o	o
Cr, VI	o	o	o	o
Poly-brominated biphenyls (PBB)	o	o	o	o
Poly-brominated diphenyl ethers (PBDE)	o	o	o	o

The circle symbol "o" indicates that the content of the harmful substances in all the homogeneous materials of the component is below the limit required by the Standard IEC62321-2015.

HDL Buspro Cable Guide

CAT5/CAT5E	HDL Buspro	HDL Buspro/KNX
Brown/ Orange	24V DC	Red
Brown white/ Orange white	COM	Black
Blue white/Green white	DATA-	White
Blue/ Green	DATA+	Yellow

CN

技术参数

电气参数

工作电压	12~30V DC
总线耗电	MPTF02.48/46: 18mA/24V DC MPTF04.48/46: 27mA/24V DC MPTF06.48/46: 29mA/24V DC
通信协议	HDL Buspro
总线接线端子	0.6-0.8mm单芯电缆

外部环境

工作温度	-5°C~45°C
工作相对湿度	≤90%
储存温度	-20°C~60°C
储存相对湿度	≤93%

产品规格

尺寸	欧标: 86×86×11 (mm) 美标: 86×116.5×11 (mm)
净重	欧标: 106g 美标: 137g
外壳材料	玻璃, 铝
安装方式	暗盒安装 (见图13-15)
防护级别 (符合 EN 60529)	IP20

产品中有害物质的名称及含量

有害物质	零部件			
	电路板	外壳	线材	附件
铅(Pb)	o	o	o	o
汞 (Hg)	o	o	o	o
镉 (Cd)	o	o	o	o
六价铬 (Cr, VI)	o	o	o	o
多溴联苯 (PBB)	o	o	o	o
多溴二苯醚(PBDE)	o	o	o	o

圆圈符号“o”，表示该有害物质在该部件所有均质材料中的含量均在IEC62321-2015规定的限量要求以下。

总线定义

CAT5/CAT5E	HDL Buspro	HDL Buspro/KNX
棕/橙	24V DC	红
棕白/橙白	COM	黑
蓝白/绿白	DATA-	白
蓝/绿	DATA+	黄

技术支持

服务热线: 020-85820195

(工作时间: 9:00-12:00, 13:00-18:00, 星期一至星期五)

邮箱: kfb@hdlchina.com.cn

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Technical support

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