



Follow us HDL Automation



Website www.hdlautomation.com

E-mail sales@hdlautomation.com

PRODUCT CATALOG

2026 / 05

PRODUCT CATALOG

Since 1985, Your Reliable Partner

HDL Automation Co.,Ltd.



CATALOG

01 About HDL

02 Software

- HDL Home
- HDL GraView Platform
- HDL Hotel Management Systems

03 Wired Products

- Buspro
- KNX

04 Wireless Products

- Buspro Wireless

05 HDL Lighting Products

- HDL DALI Drivers
- HDL Lighting Radiance Series

06 Other Products

- Door Lock
- Intercom
- Speaker
- Dahua CCTV Camera and NVR
- Security Detectors/Gadgets

Who we are?

HDL Automation, established in 1985, is a leading international technology company specializing in smart home, smart building, smart hotel and solar energy management. With a strong commitment to the market, we strive to deliver comprehensive automation control systems and integrated solutions for homes and buildings.

At HDL Automation, our core product portfolio encompasses a wide range of cutting-edge technologies. From smart lighting and smart shading to climate control, energy management, security monitoring, and audio-video entertainment, our solutions are designed to enhance comfort, convenience, and security.

With an extensive track record, our automation solutions have been successfully deployed in over 500,000 prestigious projects worldwide. We have large number of iconic project references, such as Dubai International Airport, NATO Headquarters Building, Australia Banc Apartment, Macau Morpheus Hotel, and the Czech State Opera.

By leveraging our expertise and innovative technologies, HDL Automation continues to lead the industry, providing seamless automation experiences that transform living and working spaces.



1985
Founded

109+
Countries and Regions

500,000+
Completed Projects

Brand History



1985

HDL was established, committing itself to R&D and application of lighting control products.

2004

HDL was the first to introduce a range of smart home products, known as the Shiqi series.

2015

HDL was among the earliest enterprises to introduce a set of wireless smart home products in the domestic market. It was also the first enterprise to apply both wire and wireless distributed system into the projects.

2021

HDL built a comprehensive partnership ecosystem and launched the HDL LINK protocol, thereby realizing the interconnection of the three HDL systems (Buspro, Buspro Wireless and KNX).

1995

HDL introduced China's first semi-digital dimmer cabinet--the Hedong Xiongfang Dimmer Cabinet--which was successfully applied in the Great Hall of the People in Beijing.

2007

HDL took its first step in global expansion, marking the beginning of its globalization with entry into the Dubai and Israel markets.

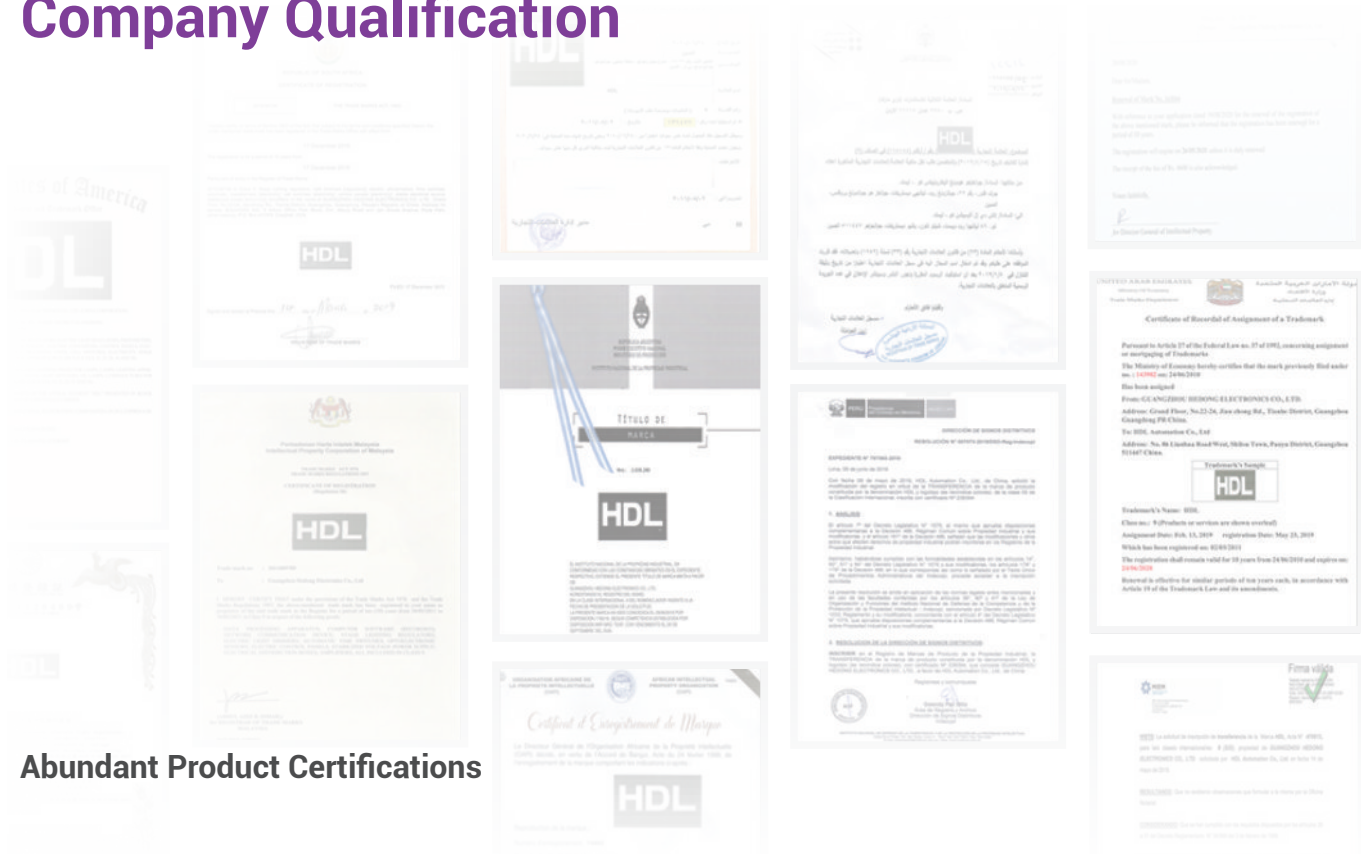
2017

HDL test center was authorized by the KNX organization as the 16th certified KNX test center in the world. It is also one of only two test centers in mainland China.

2024

HDL was honored as the "No.1 Wired Smart Home Brand in China", "Manufacturing Champion Enterprise" and "Guangzhou Innovative Company", showcasing our widespread recognition from the market.

Company Qualification



Abundant Product Certifications



Multiple System Certifications

ISO10012

2003
general requirements for
measurement management systems

ISO14001

2015
environmental
management systems

ISO9001

2015
quality management systems

ISO17025

2017
testing and calibration
laboratory capabilities

ISO45001

2018
occupational health and
safety management systems.

Manufacturing Advantages

100,000

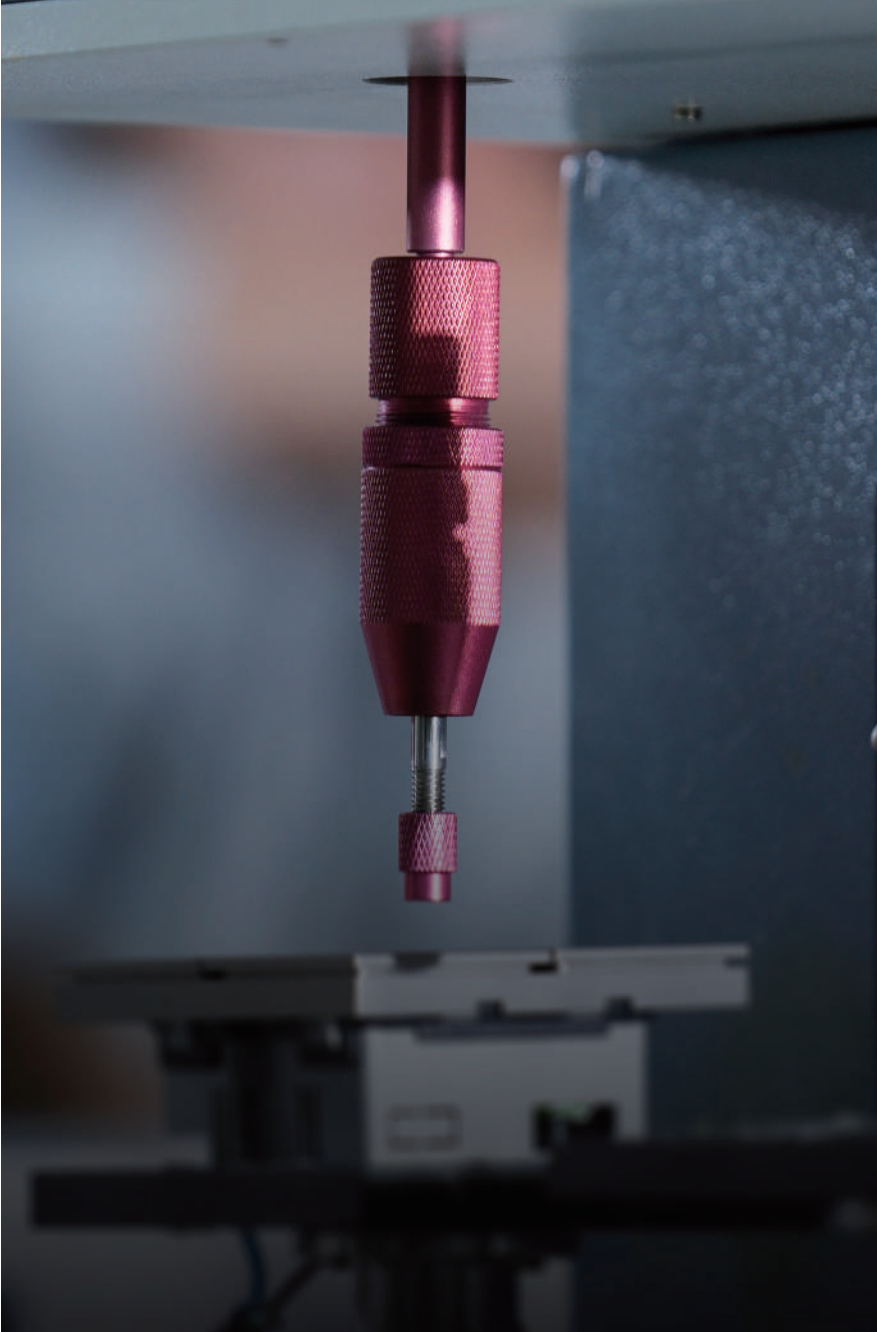
- Class 100,000 clean room
- 60% of suppliers cooperate for more than 10 years

100%

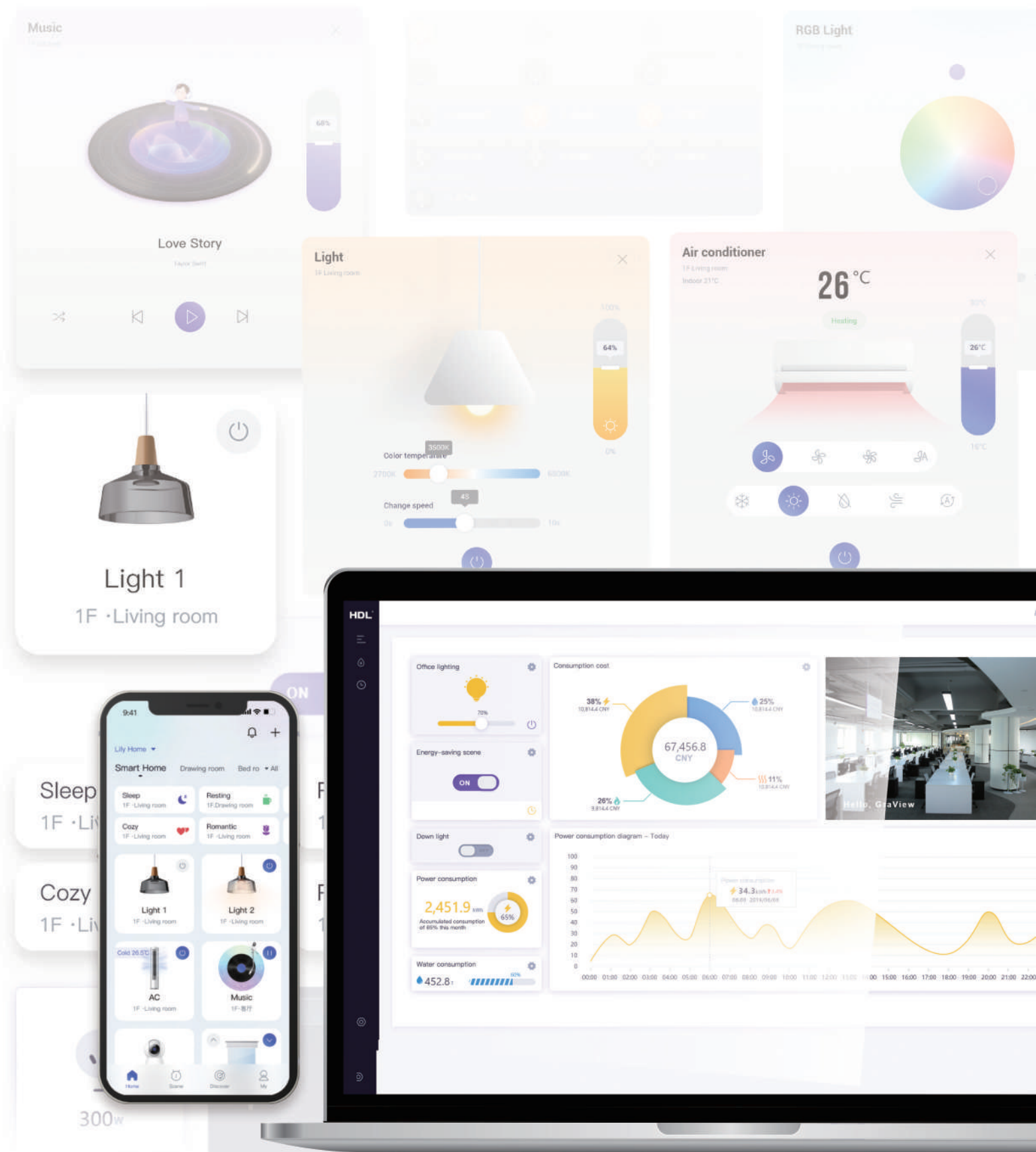
- 100% of workers are trained and certified
- All manufacturing sections are set up with full inspection position, and all semi-finished and finished products are subject to functional testing through production testing software

500w

- Annual Production Capacity(PC)
2.5 million in SMT line, 5 million in DIP line, 2.5 million in semi-finished product inspection



Software platform



HDL Home

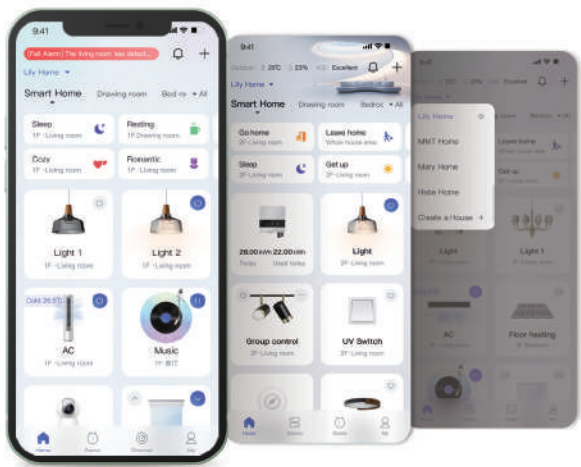
HDL Home is a powerful app designed for smart home living. It brings together device control, scene customization, and sharing in one easy-to-use platform. With HDL Home, you can manage all the devices connected to your smart system—whether it's lighting, curtains, air conditioning, or door locks—right at your fingertips.

The app features a clean, intuitive design with a clear layout that makes navigation simple. It combines great aesthetics with an engaging user experience. With HDL Home, controlling your smart home is fun and effortless, bringing a sense of technology, convenience, and comfort to your living space.



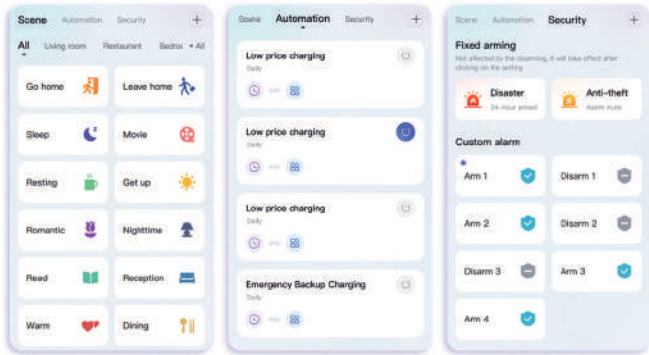
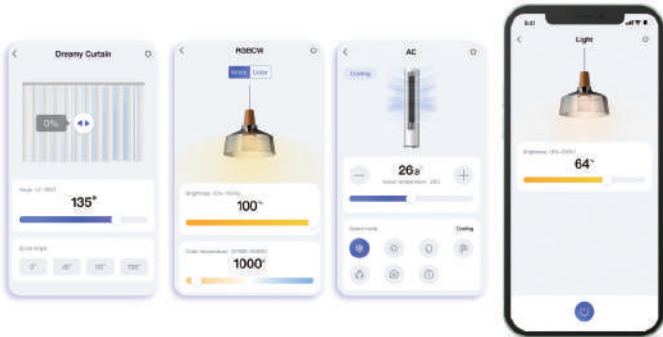
Fast Access to Scenes and Devices

It supports quickly adding commonly used scenes and devices, switching rooms, managing families, and completing core operations in one place for convenient and efficient smart home control.



Intuitive user interface

The interface is both visually engaging and intuitive. Users can easily control elements like light brightness, curtain position, and AC temperature by simply sliding the icons, making interactions straightforward and fun.



Comprehensive Management

Effortlessly manage your smart home scenes, automation rules, and security settings. Add, edit, or delete scenes and automation tasks to create a personalized and secure living environment.



Customizable Notification Alerts

Different message types come with unique notification settings. Users can easily customize which messages they want to receive, turning alerts on or off based on personal preferences.

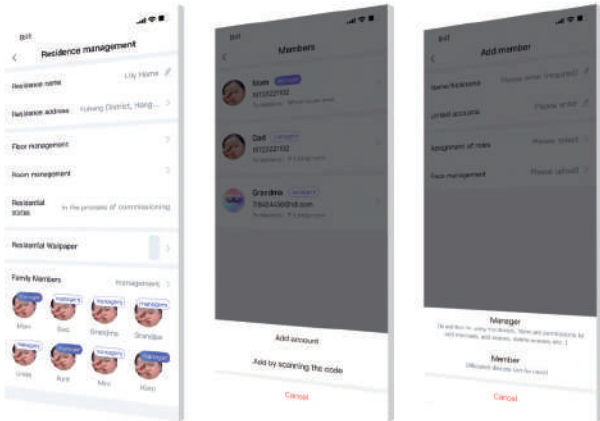
Share Tips and Connect with Users

The Discovery Channel is an interactive content hub where users can share practical tips and ideas for smart living—such as lighting adjustments or energy-saving strategies—making smart home management even smarter.



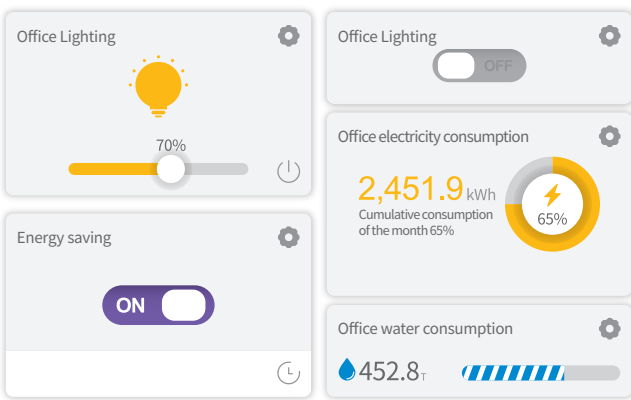
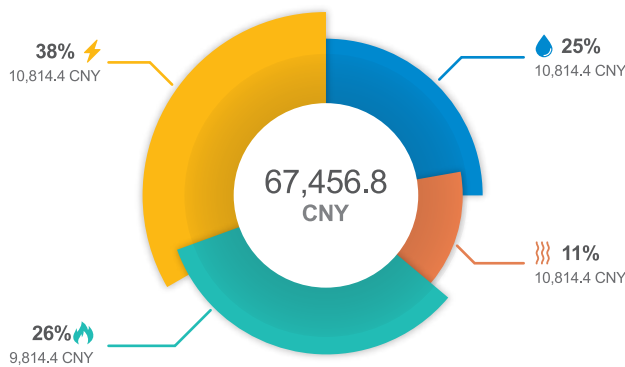
Flexible Account Permissions

The system offers two roles: Admin and Member. Following the idea of equality within the family, homeowners can grant admin privileges to family members, giving them full access to manage the home.



HDL GraView Platform

GraView is a web-based building management platform designed by HDL specifically for public building projects. The interface is simple and avoids redundant learning and operation steps. It can centrally control various devices in different areas, optimize building performance, and improve management efficiency.

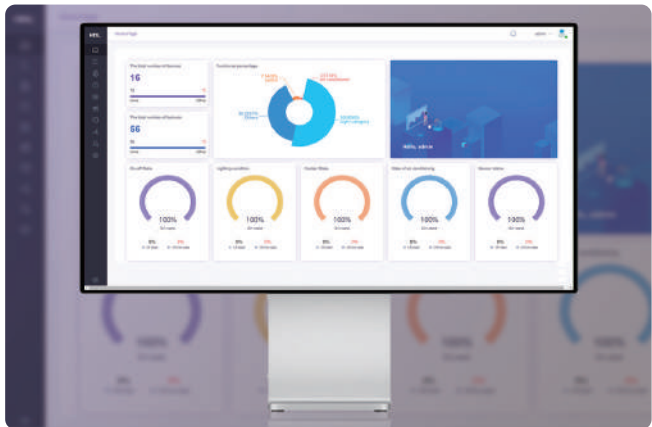


Intuitive operation interface

The design of GraView is modular and concise. The navigation bar is classified, All components in the selected area are automatically arranged, and the equipment status, scene, and energy consumption are at a glance.

Real-time monitoring, efficient operation and maintenance

The platform displays the device's on, off, and fault status in real time, and can set device life reminders. When there are abnormal conditions such as device failure, disconnection, and control failure, it will simultaneously send alerts to the admin to reduce inefficiencies caused by information gaps.



Clear picture of the electricity consumption

With HDL energy management solution, users can view real-time electricity usage by area and facility on GraView. The graphical visualization provides a clear view of the electricity consumption.

Statistical analysis of energy efficiency

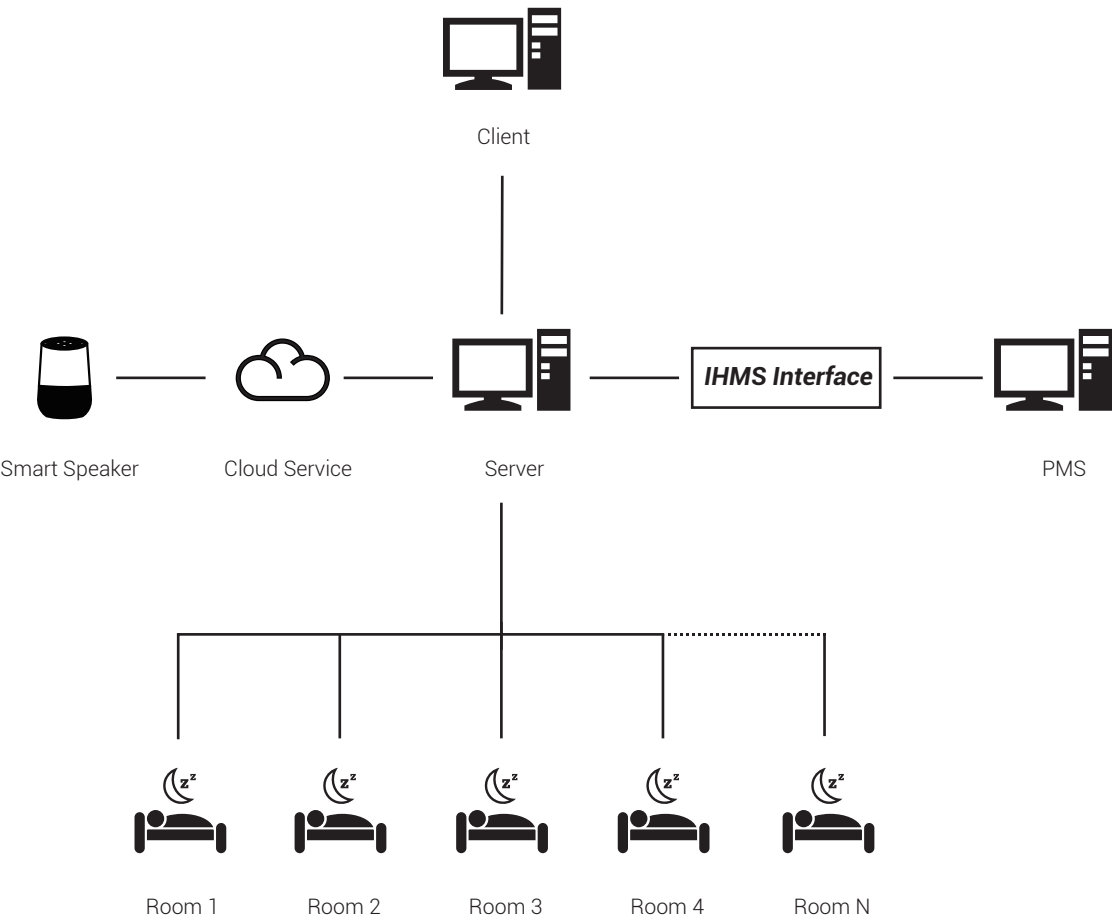
HDL GraView is able to monitor the operation status of energy consumption in a multidimensional and comprehensive way and analyze the dynamics of energy consumption in detail, so as to efficiently control and optimize the status of equipment management.



HDL Intelligent Hotel Management System

HDL Intelligent Hotel Management System (IHMS) works with HDL's smart hotel system. It enables the hotel to manage its guest rooms, room cards and services on a desktop computer, while allowing guest to control room devices via a wall panel, mobile app or smart speaker.

IHMS consists of the local server, cloud server, client, room cards management tool and APIs.



Topology of HDL Intelligent Hotel Management System

Server.

It syncs and updates the data of all connected clients.

Client.

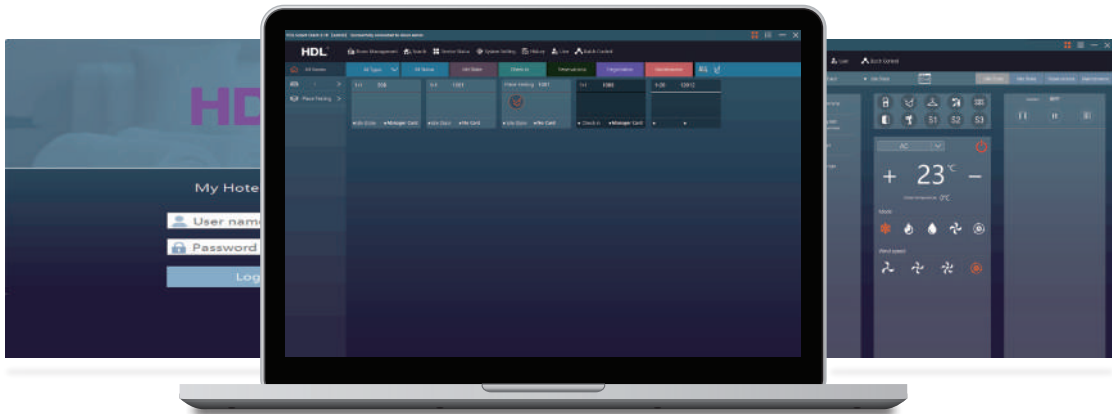
It has a user-friendly interface. Hotel staff can view the room status and proceed service requests.

Cloud Service.

When the cloud service is enabled, hotel guest can control curtains, lights, HVAC and other devices via a mobile app or smart speaker.



It can integrate with PMS via its API.



HDL IHMS

Tailored for diverse hospitality needs, HDL IHMS offers flexible cloud and on-site deployment through its B/S architecture, helping hotels improve operational efficiency, enhance energy management, and deliver a seamless guest experience.

IHMS Cloud

Provides web-based hotel management without local servers, reducing deployment cost and maintenance complexity for easier operation.

IHMS Edge

Provides an on-site solution with local data storage for stable operation, enhanced privacy protection, and deep customization capabilities.

Key Features

-  **Improve Operation Efficiency**
Centralized management enables operators to adjust room settings, track device status, and respond to guest needs instantly.
-  **Energy consumption monitoring**
The system delivers clear, visualized energy data that helps hotel managers optimize operations, reduce waste, and control costs.
-  **Effortless Room Control—No App Required**
Guests simply scan a QR code to control lighting, temperature, curtains, request services—no downloads, no delays.
-  **Customization Support**
Flexible interface design tailored to hotel's needs—supporting custom login URLs, background images, and logos for a consistent brand experience.

Guestroom Management

Service Expansion

Message Center

Device Management

Efficient Operation

Account Center

Energy Management

Scene Control

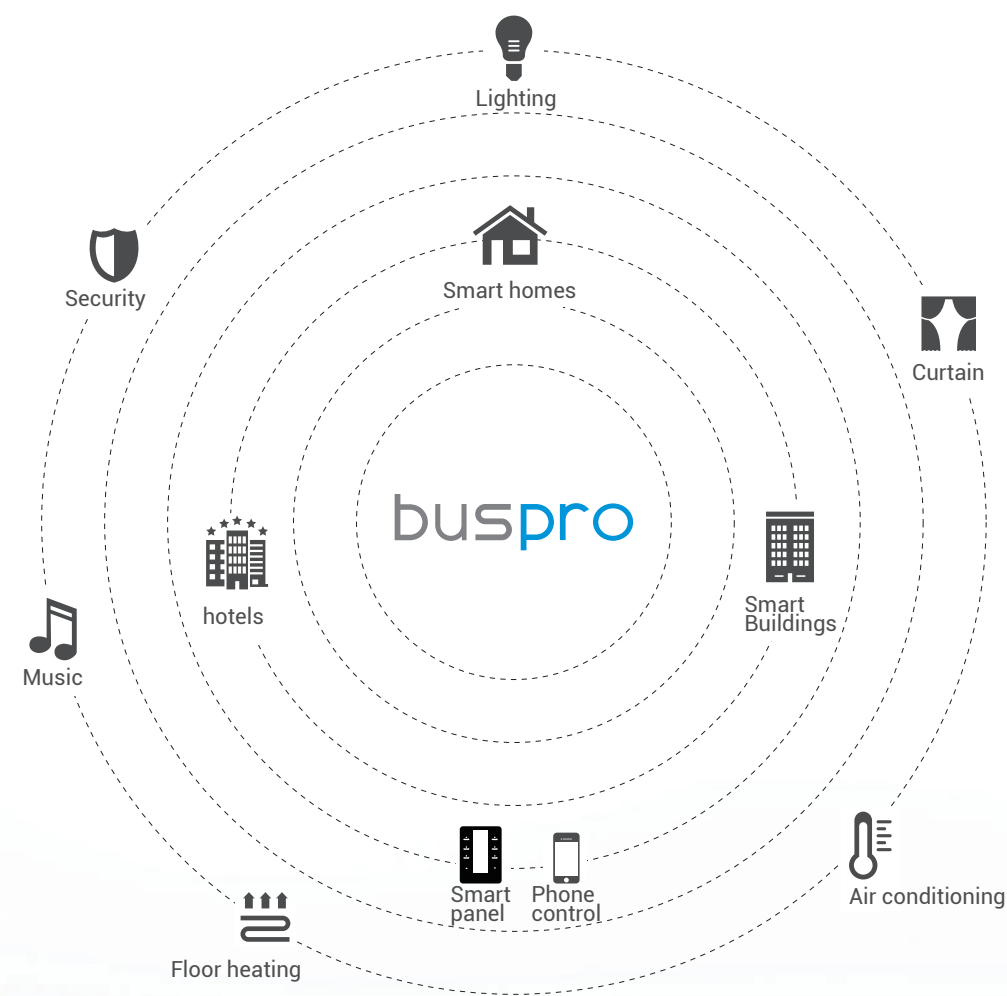
PMS Integration



A powerful and flexible wired control system

Buspro is an intelligent control system independently developed by HDL, which consists of a backbone network with Ethernet connection and a bi-direction bus network with HDL Buspro cables. It can be connected to common devices and allow users to control the devices through wall panels, mobile phones, tablet computers and other terminals, and can also be integrated with other intelligent control systems through protocol docking.

The system functions of Buspro cover lighting, shading, air conditioning, floor heating, home entertainment, safety and security, etc. Suitable for residential, office buildings, urban complexes, large venues, hotels, and other commercial buildings, you can determine the functions and scale of the system according to your own needs.



Advantages

Highly Flexible

Buspro is a distributed system in which each functional modul can share data while remaining relatively independent from each other, so that it is possible to design a customized solution according to the user' s needs, and easy to seamlessly connect with other control systems.

Easy Maintenance

As the device information is separately stored in the machine, the entire control system will not be paralyzed if there is a failure of a certain device in the system. Therefore, you can save maintenance costs and increase return on investment.

Wider Application

With modules specifically tailored to meet the demands of each market, and an inherent flexibility and customizability, Buspro can be widely used in the commercial, hospitality, and residential sectors.

CONTROL PANELS /
PANEL POWER INTERFACES



Source Series



Source 10



Source 7

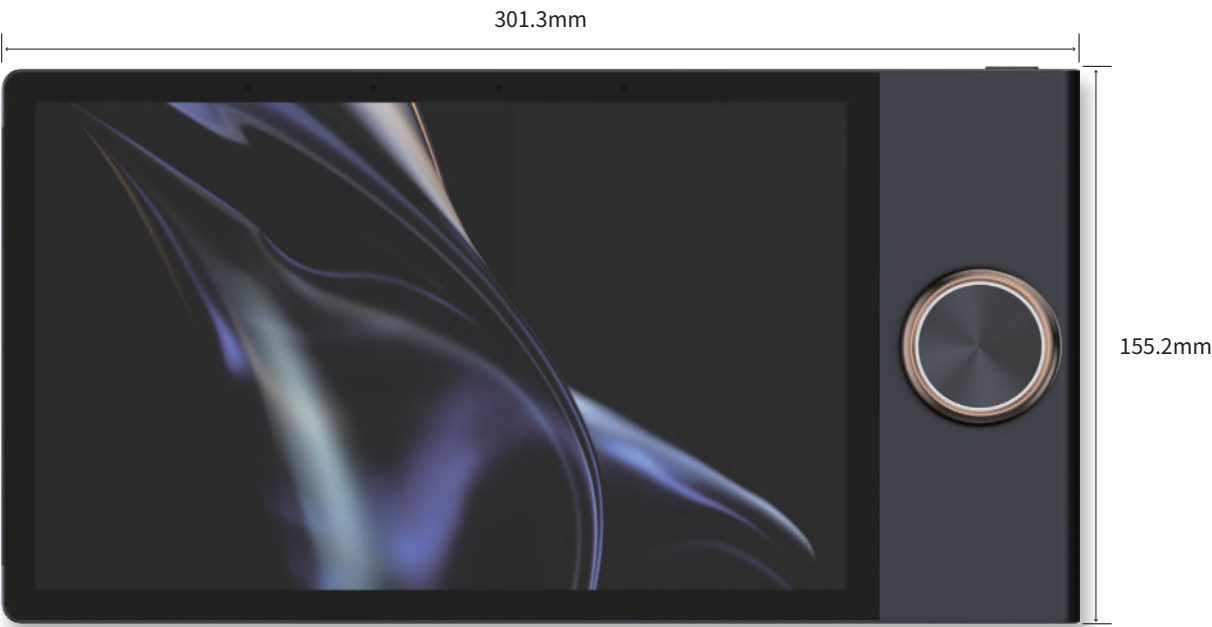


Source Mini

Source 10

Super-Sized Display: Source 10

Source 10 is a smart central control screen with a 2000×1200 ultra-clear display and an elegant skeuomorphic UI. More than a panel, it combines gateway, intercom, and smart control in one, designed for premium living.



Color: ■ Dark Purple



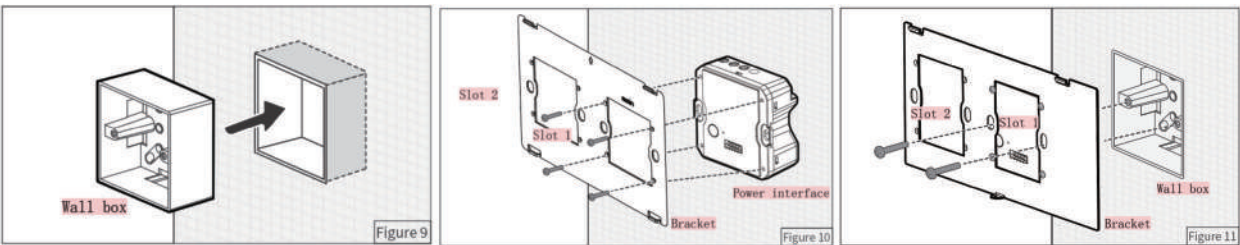
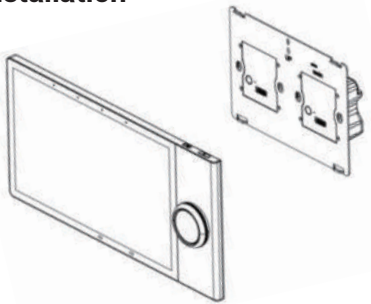
-  Stepless knob assures accurate positioning
-  Capable of working as a gateway
-  Built-in proximity sensor for detecting human motion
-  Turning off the microphone and display with one touch
-  Enabling indoor communication between different rooms
-  Multiple font sizes available, suitable for the whole family
-  Built-in temperature & humidity sensor
-  Available in Buspro, KNX, Buspro wireless, WiFi and RJ45

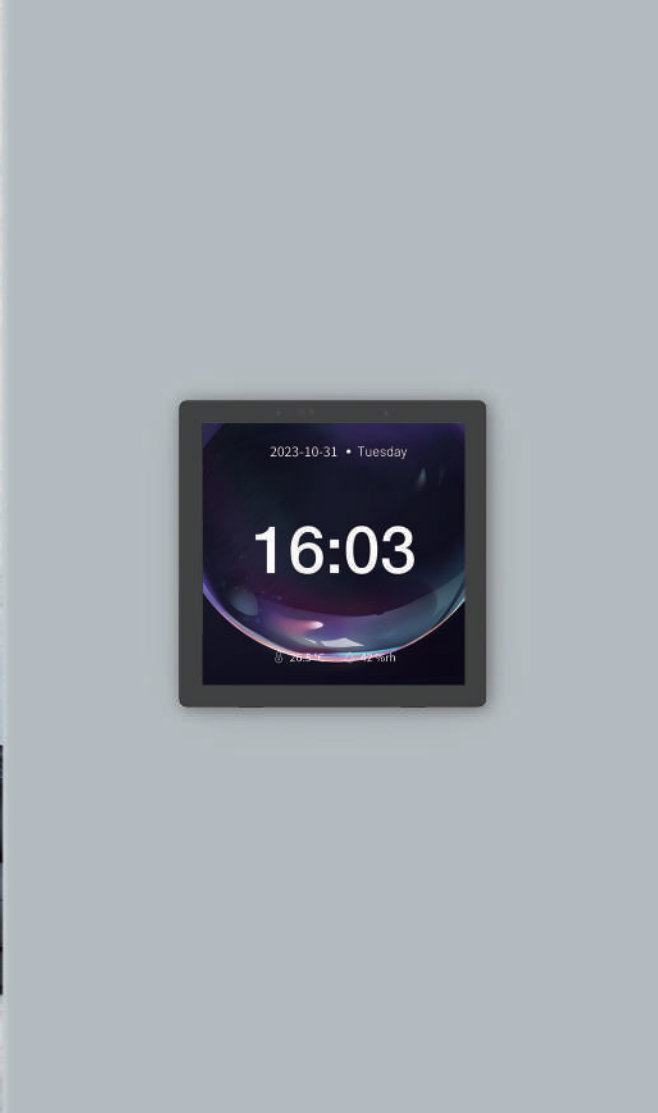


Specifications

- Dimensions: 301.3*155.2*9.8mm(Without power interface)
- Net weight: 1000g(With bracket & without power interface)
- Installation: Wall box
- IP degree(compliant with EN 60529): IP20

Installation





Source 7



Souce is a smart panel that enable to effortless control lighting, scenes, shading, HVAC and music. It adopts 7-inch LCD screen, equipped with HD camera for indoor communication and stepless knob, built-in Proximity Sensor, Temperature&humidity Sensor and LUX Sensor. The panel supports multi-gateway cross-drive control.

Dimension:
219.2×102×25.6mm (without power interface)
219.2×102×54.8mm (with power interface)
Housing material: PC
Installation: Wall box
Protection Type(Conform to EN 60529): IP20

Color: ● Pine green ● Mountain blue ● Ink black

Features and Specifications

- Stepless knob assures accurate positioning;
- Enabling indoor communication between different rooms;
- Capable of working as a gateway;
- Available in Buspro, KNX, Buspro wireless, WiFi and RJ45.



Source mini



Source Mini is a 4-inch smart center control panel with a screen resolution of 480×480. It is equipped with HDL LINK system and can be used with different protocol interfaces to integrate Buspro/KNX/Zigbee device control. This device integrates switch, dimmer, curtain, scene, color temperature, color control(RGB), background music, air conditioning, floor heating, fresh air, etc.

Dimension:
86×86×10.1mm (without power interface)
86×86×39.3mm (with power interface)
Housing Material: PC
Installation: Wall box
Protection Type(Conform to EN 60529): IP20

Features and Specifications

- Built-in temperature, humidity sensor, PIR sensor and LUX sensor;
- Enabling indoor communication between different rooms;
- Capable of working as a gateway, supporting Buspro, KNX and Zigbee;
- 4-inch color IPS capacitive touch screen, anti-fingerprint screen, resolution 480×480.



Xelent Series

The Xelent series offers a range of control panels with a refined and consistent design, combining visual quality with intuitive interaction. Clean lines, premium finishes, and well-structured layouts create a modern look across different applications.



Color:

Metal: Brass Bronze Black

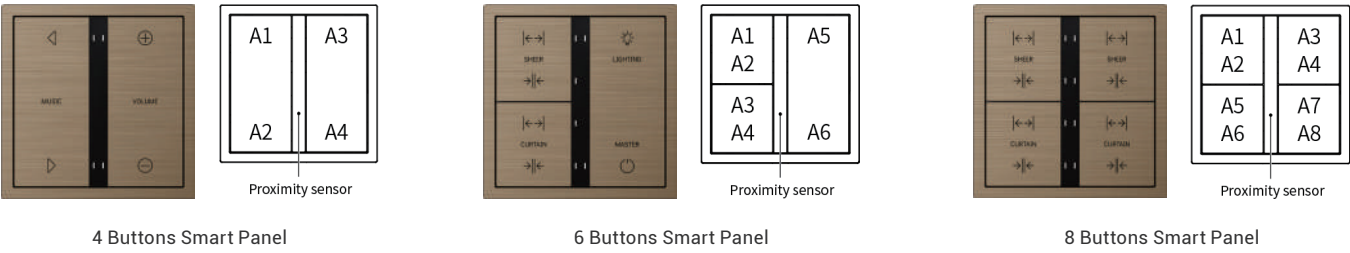
Plastic: Ivory White Charcoal Gray

Features and Specifications

- 🌡️ ±1°C accurate temperature control
- 📶 Precise sensing adjustable from 10 to 100 cm
- 🔒 Panel lock for smart energy savings
- 📦 Compatibility with EU, CH, and US wall boxes
- 🔄 Supports horizontal and vertical installation

Xelent Series Button Smart Panel

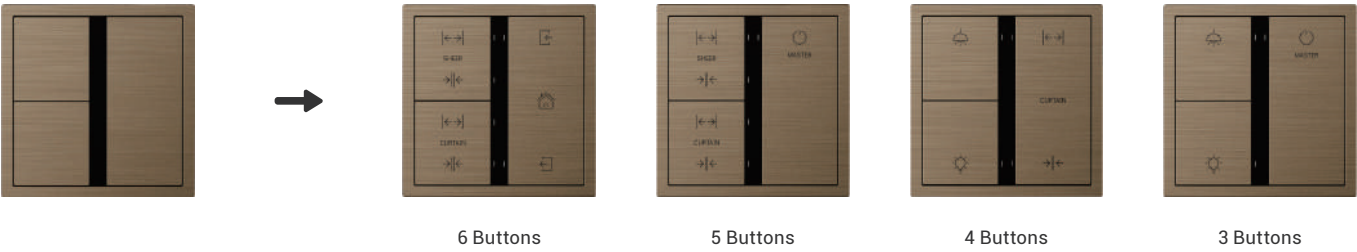
The Xelent series smart button panel offers flexible control of lighting, curtains, and scenes. Button layouts can be reconfigured via software, with customizable icons and RGB indicators for clear feedback.



Flexible Button Layouts

Standard 4/6/8-button panels can be reconfigured via software into different button layouts, allowing flexible adjustment of button counts to suit various control needs and application scenarios.

Example:



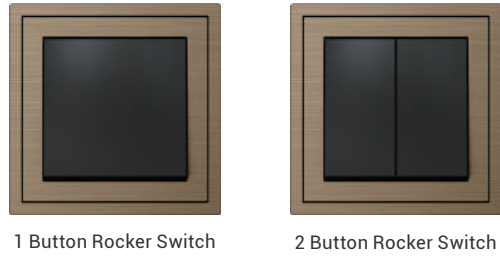
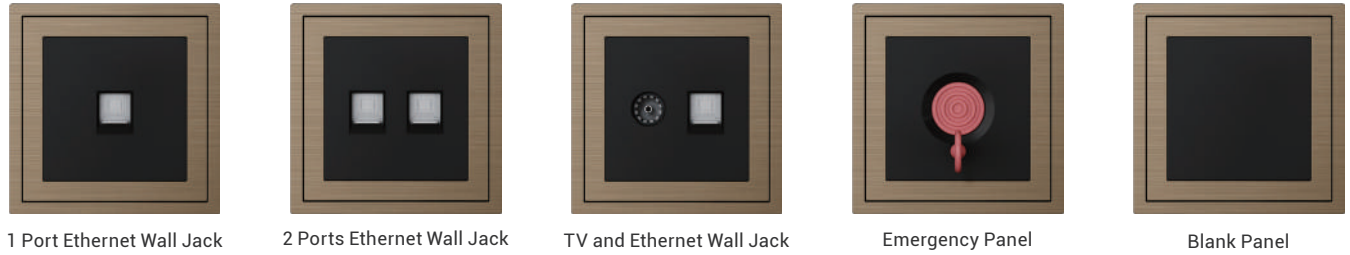
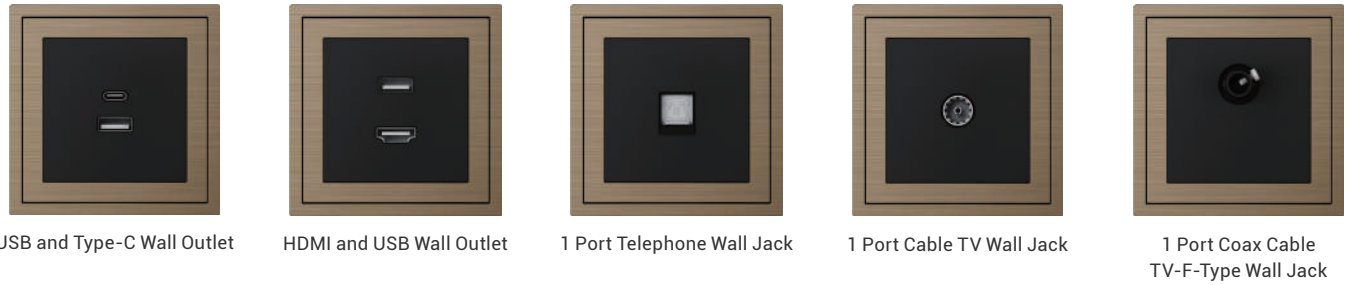
Xelent Series Thermostat Panel

The Xelent series thermostat panel features a high-definition LCD display and an intuitive interface for clear HVAC control. Integrated sensing and system linkage enhance energy efficiency and user comfort.



Xelent Series Non-Smart Panel

The Xelent series also includes a full range of non-smart panels, ensuring visual consistency while supporting complete solution integration.





Tile Series



Tile is a series of smart control panels in EU standard. You can use just one unit if it meets your requirement, or combine multiple units to serve more functionalities in a specific area. It is able to keep the walls in a consistent and beautiful look while meeting various requirements of functionalities.

- Color: Plastic: ○ Ivory White ● Ash Gray
● Champagne Gold ● Space Gray
- Metal: ● Champagne Gold ● Space Gray

- Features and Specifications**
- Precise temperature detection and control;
 - Maximum sensing distance up to 80cm;
 - Button-locking function;
 - Eye-friendly indicator light mode;
 - Customizable button icons and colors.



Tile Display

Tile Display is a multi-function control panel for home automation. With 3.5-inch LCD screen and full-screen touch control, it is convenient for the users to control lighting, curtain, scene, air conditioning, floor heating, music and fresh air in an intuitive way. Tile Display can be combined with other panels in the Tile series for more functionality but with a consistent look.

- Features and Specifications**
- Built-in temperature, humidity sensor and proximity sensor;
 - Adjustable LCD screen backlight brightness;
 - Support screen lock;
 - LCD screen wakes up automatically;
 - Support sleep mode;
 - Support online upgrade;



Tile Series Thermostat 2.1

Tile Series Thermostat 2.1 has a segmented LCD screen and mechanical buttons, each button supporting laser engraving, and it has air conditioning, underfloor heating, fresh air pages and mode, wind speed pages.

- Features and Specifications**
- Built-in temperature and humidity sensor;
 - Proximity sensing function;
 - Button lock/unlock function;
 - Support HDL Buspro online upgrade;
 - Customizable brightness and colour of indicator lights.



Tile Series Smart Door Bell 2.1

Tile Series Smart Door Bell 2.1 is a door bell panel which is installed outside the room by the door. It can be controlled through the button panel or other devices to display the user's requirements, such as DND, Please Wait and Clear Up Room. Custom settings can be made through HDL Studio software to meet different user needs.

- Features and Specifications**
- Smart device control with hotel room control units;
 - Adjustable LED indicator through HDL Studio software;
 - Supporting multi-gang installation with Tile series panels;
 - Customizable button icons.



Tile Series Push-button Panel

Tile Series 1/2/3/4/8-button smart panel 2.1, with mechanical buttons, supports a variety of button modes and button control types. It can achieve basic control functions such as switch, dimming, colour temperature, RGB control, curtain, scene, etc.

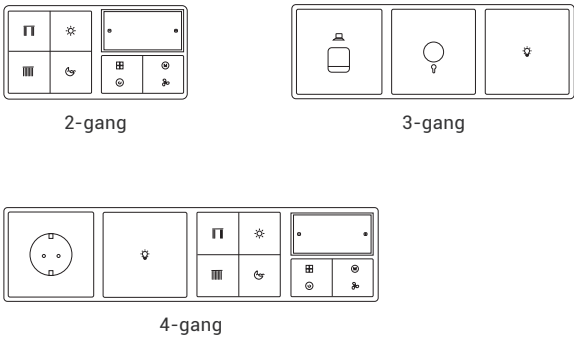
Features and Specifications

- Built-in temperature sensor;
- Button locking function;
- Customizable brightness and colour of indicator lights;
- Proximity sensing function;
- Customizable button icons.

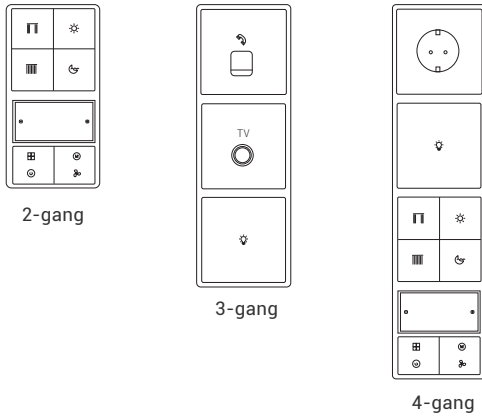
Flexible Combinations

The Tile series panels support both vertical and horizontal, allowing for versatile combinations and multi-function control.

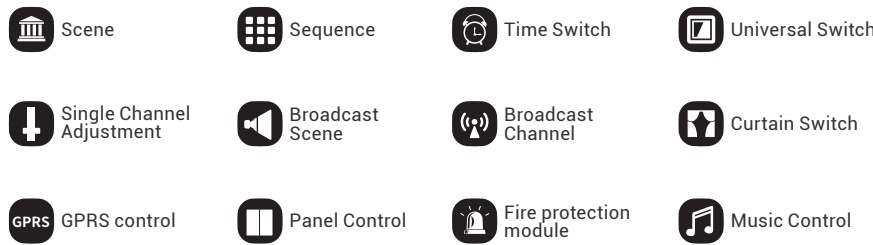
- Horizontal



- Vertical

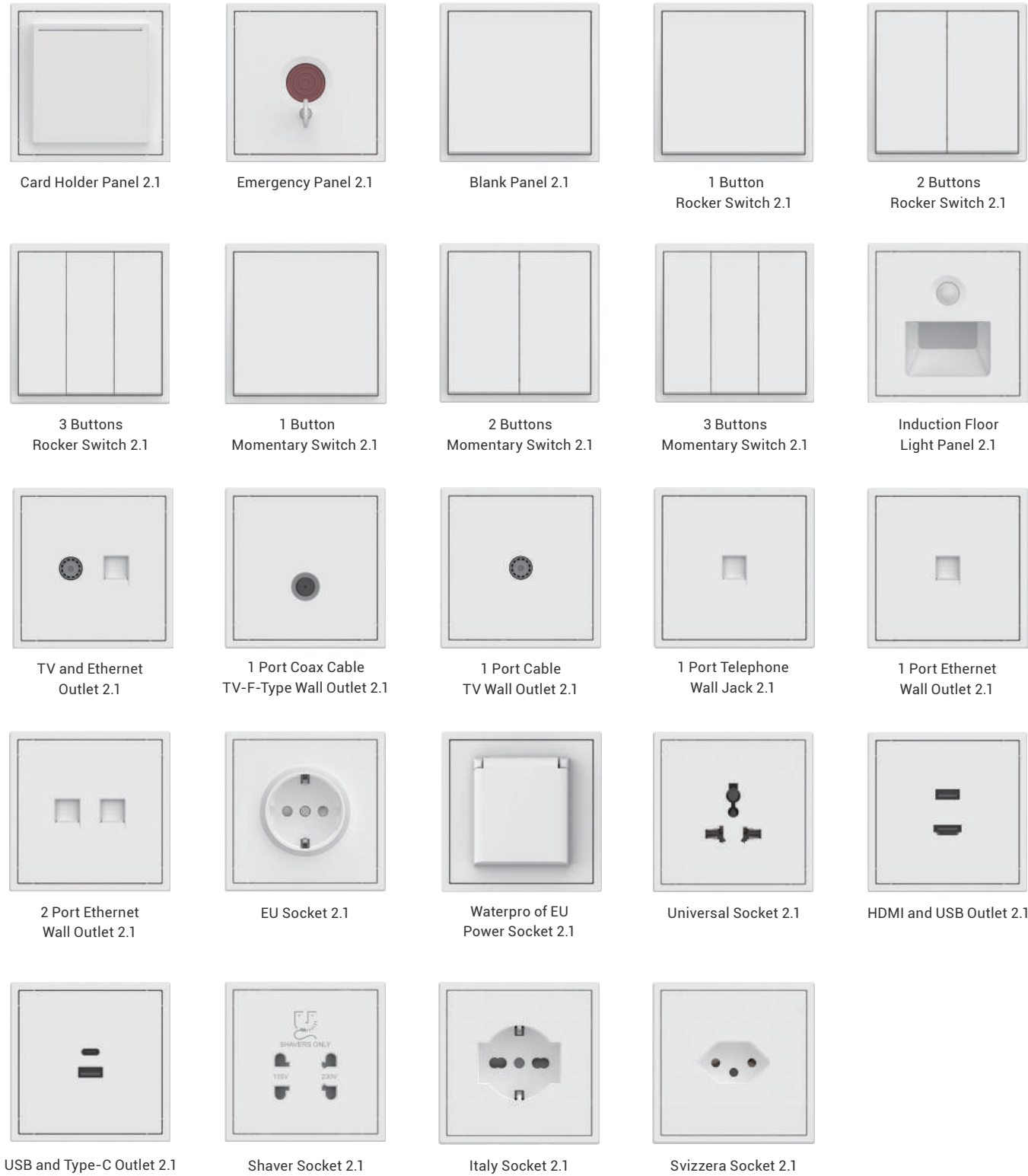


Supported control types include



Tile Series Non-Smart Panels

To provide users with better smart home solutions, Tile Series 2.1 comes with various non-smart products for solution design.





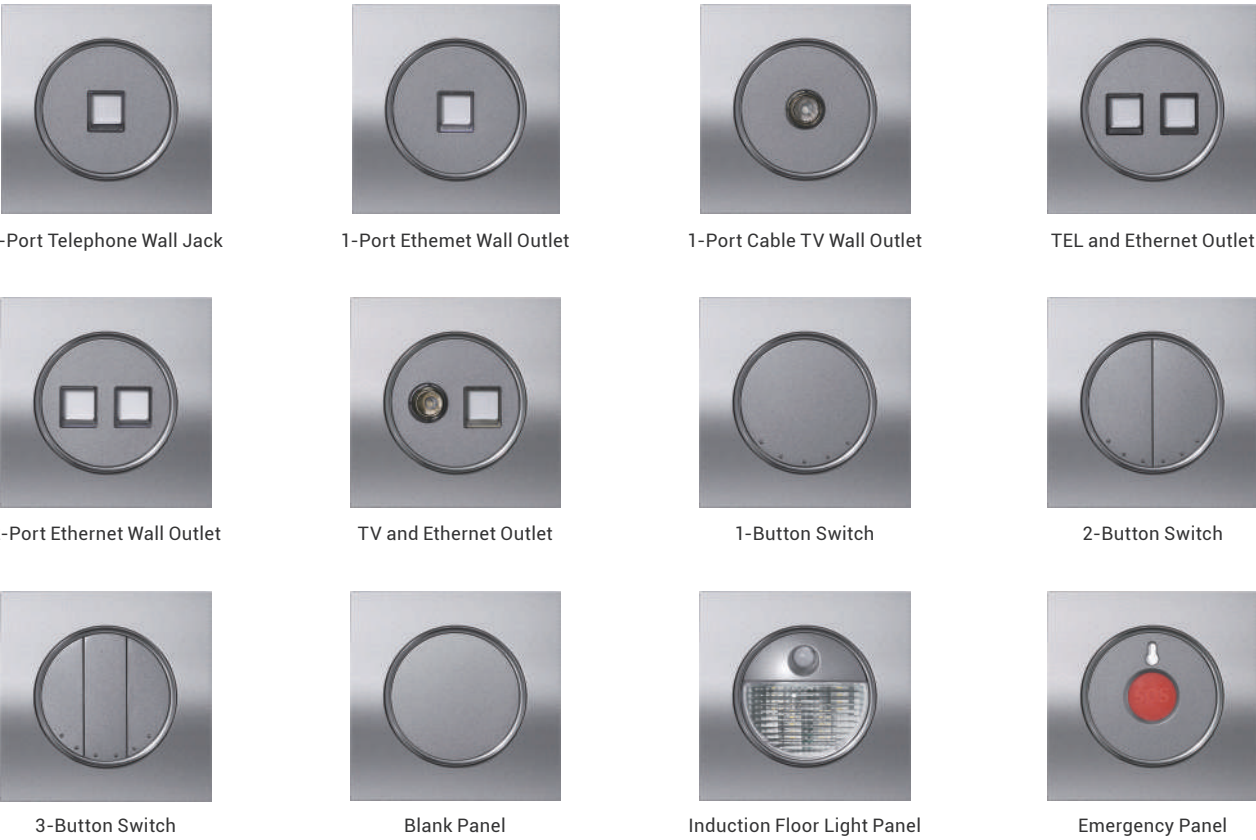
Eave Series Knob Temperature Control Panel



Eave Series Button Smart Panel



Eave Series Non-smart Panel



Eave Series

Experience the Eave Series with its 5.3 degree fingertip angle, designed for smooth and natural interaction. Made from aviation grade aluminum, the sculpted curves play with light and shadow, turning every switch into a quiet work of art for luxury homes.

Features and Specifications

- Built-in temperature sensor;
- Proximity detection to activate scenes;
- Customizable brightness and color of indicator lights;
- Customizable button icons and text;
- Button lock/unlock function;
- Supporting HDL Buspro online upgrade.

Color: ■ Glassy Blue ■ Purple Crystal ■ Champagne Gold ■ Quiet Gray





Inkslab Series Knob Temperature Control Panel



Inkslab Series Button Smart Panel



Inkslab Series Non-smart Panel



Inkslab Series



The Inkslab Series reinvents conventional switch panels with a bold design inspired by natural ice-crack patterns. Its immersive large-icon controls make every interaction clear, intuitive, and effortless. It includes temperature control panels, button panels, and other non-smart panels, offering flexible forms to suit various needs.

Color: Pearly White Plum Purple



Features and Specifications

- Built-in temperature sensor;
- Proximity detection to activate scenes;
- Customizable brightness and color of indicator lights;
- Customizable button icons and text;
- Button lock/unlock function;
- Supporting HDL Buspro online upgrade.

Granite Series



Granite Display

Granite Display is a high-end and multi-function control panel for home automation. With 4-inch LCD screen and full-screen touch control, it is convenient for the users to control lighting, curtain, scene, air conditioning, floor heating, music and fresh air in an intuitive way.

Working voltage: 12~30V DC
Working current: 120mA/24V DC
Installation: Wall box

Color: ● Space Gray

Features and Specifications

- Built-in temperature and humidity sensor, proximity sensor;
- Support screen lock;
- Adjustable LCD backlight brightness;
- LCD screen wakes up automatically;
- Support sleep mode;
- Support online upgrade.



Granite 4.3



Granite Display



Granite



Granite 4.3"

MPL43C.46

Granite 4.3" is a multi-function control panel with 4.3-inch LCD screen and full-screen touch control. There are dedicated pages for lighting, curtain, scene, air conditioning, floor heating, music and fresh air. And users can also quickly access the most frequently used functionality or scenes by the short-cut buttons on the home screen.

Working voltage: 12~30V DC
Working current: 120mA/24V DC
Installation: Wall box

Color: ● Space Gray

Features and Specifications

- Built-in temperature and humidity sensor, proximity sensor;
- Support screen lock;
- Adjustable LCD backlight brightness;
- LCD screen wakes up automatically;
- Support sleep mode;
- Portrait mode and landscape mode supported.



Granite

MP4C.48

Granite is a series of multi-functional push-button panels with aluminum plate for home automation, used to control lighting, curtain and scene. It is available to two sizes, EU size with 4 buttons and US size with 6 buttons.

Working voltage: 12~30V DC
Working current: 13mA/24V DC
Installation: Wall box

Color: ● Space Gray

Features and Specifications

- Built-in temperature probe, can automatically obtain the temperature information;
- Support LED backlight and indicator;
- Adjustable color and brightness of LCD backlight;
- Customizable icon;
- Combination button mutual exclusion function is available;
- Support HDL Buspro online upgrades

Buspro

Fanora Smart Panel

Industry's First Fan-Shaped Smart Panel

Fanora 8 Buttons Smart Panel is equipped with mechanical buttons, supporting multiple press modes and button control types. The product can achieve control over lighting, scenes, curtains, music, etc.

The panel features inlaid jade, infusing it with cultural depth while setting a new benchmark in industrial design that blends Eastern aesthetics with modern technology.



Color: Silver White Dark Purple



- Soft start
- Adjustable brightness and colour of indicator lights
- Built-in proximity sensor
- Built-in temperature sensor
- Customizable button icons
- Button lock/unlock function



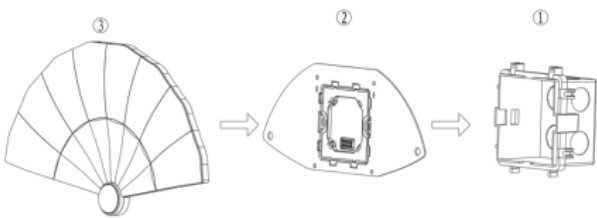
Supported control types include

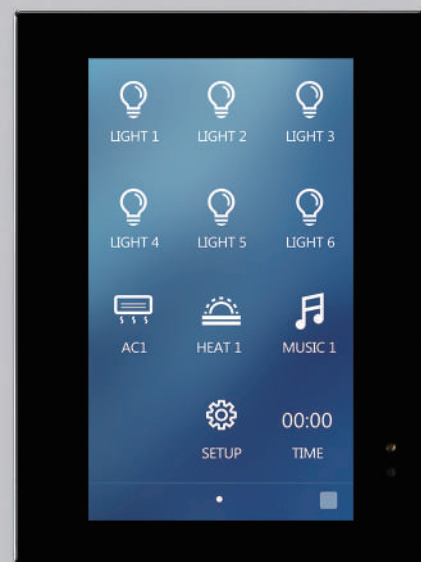
- Scene
- Sequence
- Time Switch
- Universal Switch
- Panel Control
- Single Channel Adjustment
- Broadcast Scene
- Broadcast Channel
- Curtain Switch
- Music Control
- Infrared Control
- Universal Control

Specifications

- Dimensions: 255.8×144.1×19.4(mm) (without power interface)
- Net weight: 600g
- Housing material: Aluminum alloy
- Installation: Wall box

Installation





Enviro



Enviro Touch Screen is a high-end and multi-function control panel for home automation. With 4.3-inch color capacitive LCD screen and touch control, it is convenient for the users to control lighting, scene, curtain, music, air conditioning, floor heating and others in an intuitive way.

Working voltage: 12~30V DC
Working current: 85mA/24V DC
Installation: Wall box

Color: ● Black ○ White

Features and Specifications

- Built-in temperature sensor and proximity sensor;
- Built-in IR receiver and real-time clock;
- Adjustable LCD backlight;
- LCD screen wakes up automatically.;
- Customizable UI;
- Support online upgrade;



Fangzhi Series Panels

The Fangzhi series panels include button panels, sockets, and thermostat panels—designed to meet diverse control needs. With intuitive operation, users can easily manage lighting, scenes, curtains, air conditioning, fresh air, and floor heating, bringing smart living within a single touch.

Color: ● Snowflake Silver ● Outlet Black ● Champagne Gold ● Champagne Silver



Fangzhi Eight Key Thermostat Panel

It provides convenient, comfortable, and efficient experiences for modern homes. It has mechanical keys and display screen, and the brightness of the key indicator light can be set through software. It can achieve control of lighting, scenes, curtains, switches, etc.

Features and Specifications

- Built-in temperature and humidity sensor;
- Supporting scene linkage;
- Proximity detection;
- Customizable brightness and colour of indicator lights;
- Customizable button icons;
- Supporting HDL Buspro online upgrade.



Four Key Switch Panel
(without aluminum sheet)



Eight Key Switch Panel
(without aluminum sheet)



Four Key Switch
Panel-4CH 10 relay



Eight Key Switch
Panel-4CH 10 relay

Fangzhi Switch Panel

Fangzhi Switch Panel provides convenient, comfortable, and efficient experiences for modern homes. It has mechanical keys, and the brightness of the key indicator light can be set through software. It can achieve control of lighting, scenes, curtains, switches, etc.

Features and Specifications

- Supporting control of lighting, scenes, curtains, switches, etc;
- Proximity detection;
- Adjustable brightness of indicator lights;
- Customizable button icons;
- Supporting sensing and sleep settings.

Fangzhi Series Non-Smart Panels

To provide users with better smart home solutions, Fangzhi Series Non-Smart Panels comes with various non-smart products for solution design.



1-Port Telephone Wall Jack



1-Port Ethernet Wall Outlet



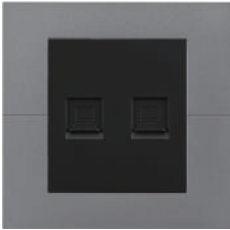
1-Port Cable TV Wall Outlet



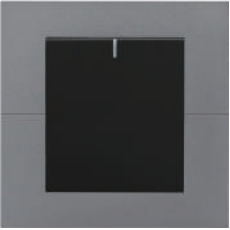
TEL and Ethernet Outlet



TV and Ethernet Outlet



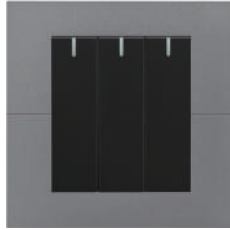
2-Port Ethernet Wall Outlet



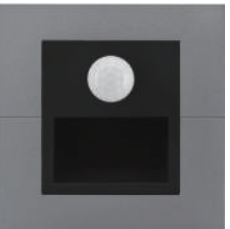
1-Button Switch



2-Button Switch



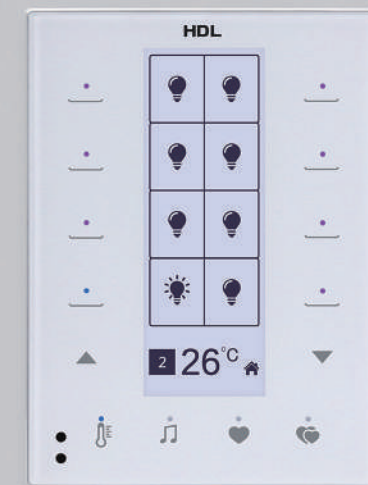
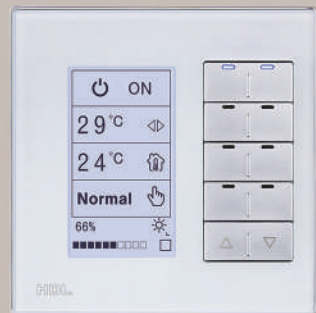
3-Button Switch



Induction Floor Light Panel



Emergency Panel



DLP

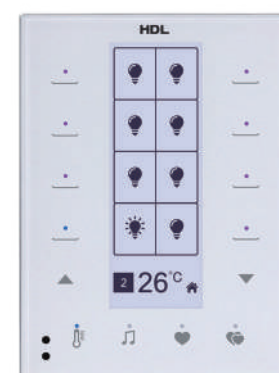
DLP is a series of smart control panels with physical buttons and mono-color LCD display for home automation both in EU and US standard. With 8 control buttons and 2 page buttons, the panel has 4 general pages for lighting, curtains, etc. and dedicated pages for AC, floor heating and background music.

Working voltage: 12~30V DC
Working current: 30mA/24V DC
Installation: Wall box

Color: ● Black ○ White

Features and Specifications

- Built-in temperature sensor;
- Icon for Key Buttons can be changed;
- Support 147 languages;
- Customizable icons or captions;
- Support online upgrade.



DLP Touch

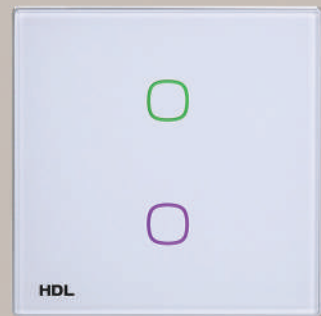
DLP Touch is designed to offer you a quick and simple touch-control experience. With the mono-color LCD in the middle, you can have the icons or text customized. It has 8 control buttons, 2 page buttons and 4 shortcut buttons, which is convenient for users to control lights, curtains, AC, floor heating, background music, etc.

Working voltage: 12~30V DC
Working current: 45mA/24V DC
Installation: Wall box

Color: ● Black ○ White

Features and Specifications

- Built-in temperature sensor and proximity sensor;
- Customizable icons and captions;
- RGB button indicator and voice prompt are available;
- Adjustable LCD backlight;
- LCD screen wakes up automatically;
- Support online upgrade.



iTouch



A series of multi-functional touch control panels for home automation both in EU and US standard. The US standard has 2, 4 and 6 buttons while EU standard has only 2 and 4 buttons. iTouch is enclosed by a fine aluminum frame, and always used to control lighting, curtain, AC, scene, music, etc.

Working voltage: 12~30V DC
Working current: 20mA/24V DC
Installation: Wall box

Color: ● Black ○ White

Features and Specifications

- Touch button with RGB backlight;
- Adjustable RGB indicator color and brightness;
- Customizable button icons;
- Support online upgrade.

Hotel Door Bell



iElegance Series 3S Smart Door Bell

HDL-MPB03.48

iElegance Series 3S Smart Door Bell is the matching product of HDL Hotel Room Management System. Installed by the door of the hotel room, the panel can be controlled by button panel or other matching devices in order to show the user's requirements. It can indicate DND status, ask for room-cleaning and used as doorbell, etc.

Features and Specifications

- Door Bell function, if DND is ON, it will be OFF;
 - DND display: Do not Disturb;
 - Ask for room-cleaning service;
 - Backlight brightness is adjustable;
- Communication: HDL Buspro.

Intelligent Hotel Door Bell

HDL-MHB.1010



It is a door bell touch panel which is installed outside the room by the door. Through the control panel or other devices, it can display customer's requirements, for example, Please Wait, Clean Room, or DND, etc.

Features and Specifications

- Room number display. Information display (Please Wait, Need Cleaning, DND, etc.) in different colors;
- Support HDL Buspro online update.



RF Intelligent Door Bell and Access Reader

HDL-MHBRF.1010

It is a door bell touch panel which is installed outside the room by the door. It can control the panel to indicate your requirements via the door bell panel, such as Laundry, DND and Clean Room.

Features and Specifications

- Show room numbers, indicate the information of Laundry, DND and Clean Room;
- With 2 dry contacts;
- Open the Door by RF card & history record function;
- Support HDL Buspro online update.



RF Card Reader & Master Control

HDL-MHIC.48

It is designed to control the master card energy gaining and hotel guest room facility using. It has built-in MIFARE RF card reader and can recognize different types of card, including guest card, waiter card, cleaner card, mender card and administrator card.

Features and Specifications

- Support master card energy gaining & power management;
- Support ID recognition, scene control in accordance with various types of card;
- Supported card types: Guest card, waiter card, cleaner card, mender card and administrator card; Support HDL Buspro online update



RF Intelligent Door Bell

HDL-MPTB01RF.48

It is a doorbell product with touch panel, which is the matching product of HDL control system. It is installed by the hotel room door and has the functions of doorbell and unlocking through swiping RF card.

Features and Specifications

- Optional backlight RGB colors;
- Display requirement of cleaning room;
- 1-99 targets can be controlled when user touch the door bell;
- 1-49 targets can be controlled when user swipe the card;
- The touch sensitivity can be adjusted;
- Support upgrade from HDL Buspro.



RF Card Reader & Master Control US/EU

HDL-MPTC03.46/48

It is for energy control and room information of hotel guest room. It has built-in MIFARE RF card reader. Guest card, service card, cleaner card, etc. can be recognized by this panel, and it includes 3 touch buttons also. Customer can select US or EU standard panel according to their requirements.

Features and Specifications

- Master card for energy & power management;
- 3 touch buttons, sensitivity can be adjusted;
- Button color RGB can be adjusted;
- The touch button can be used as the panel button, or work with HDL touch door bell panel, can be displayed DND, Clean, Wait.
- Support HDL Buspro online update.





Panel Power Interface EU

HDL-MPLPI.48-A

Provide DC power and communicates with panel switch, and supports different EU types of panels and sensors.

- Working voltage is 12~30V DC;
- HDL Buspro interface supported (CAT5E or dedicated HDL Buspro cable required);
- The panel power interface should be installed on the wall box.



Power Interface-With 2CH 10A Relay

HDL-MPR0210-S.40

It is a standard panel power interface with relay channels. The power interface has an independent device ID address, including 10A relay channels.

- Working voltage is 15~30V DC, working current is 24mA/24V DC;
- With independent programming button and programming indicator;
- Short press the programming button to realize all relay channels on/off;
- Provide power and communication interface for HDL standard panel.



Panel Power Interface US

HDL-MPLPI.46-A

Provide DC power and communicates with panel switch, and supports different US types of panels and sensors.

- Working voltage is 12~30V DC;
- HDL Buspro interface supported (CAT5E or dedicated HDL Buspro cable required);
- The panel power interface should be installed on the wall box.



Power Interface-With 3CH 10A Relay

HDL-MPR0310-S.40

It is a standard panel power interface with relay channels. The power interface has an independent device ID address, including 10A relay channels.

- Working voltage is 15~30V DC, working current is 24mA/24V DC;
- With independent programming button and programming indicator;
- Short press the programming button to realize all relay channels on/off;
- Provide power and communication interface for HDL standard panel.



Panel Power Interface EU

MPFPIT-1P-BP.18

It is used with Buspro smart panels to provide working voltage and communication signals for the panel.

- Working voltage: 12V~30V DC
- Dimensions: 51.2mm×51.2mm×23.1mm



Panel Power Interface With 2CH 10A Relay

MPFPIT-0210-BP.17

It uses HDL Buspro protocol 485 bus communication control. Installed within the 86wall box with the panel, it can control the switching of relay circuits through the device ID address, and can also be used as a power supply interface for the panel, realizing intelligent control of the home lighting, curtains, fans, sockets and other electrical devices.

- Working voltage: 12V~30V DC
- Dimensions: 68.2mm×68.85mm×26.62mm



Panel Power Interface With 4CH 10A Relay

MPFPIT-0410-BP.17

It uses HDL Buspro protocol 485 bus communication control. Installed within the 86wall box with the panel, it can control the switching of relay circuits through the device ID address, and can also be used as a power supply interface for the panel, realizing intelligent control of the home lighting, curtains, fans, sockets and other electrical devices.

- Working voltage: 12V~30V DC
- Dimensions: 68.2mm×68.85mm×26.62mm

GATEWAYS / DRY CONTACT MODULES



Buspro Gateway

HDL-MGWIP.430

It is a product designed based on Linux system hardware platform. It supports HDL Buspro Setup Tool, ON+, Cloud server, etc., integrating scene, logic, security, clock, server automatic prompt upgrade and other functions.

Working voltage: 15~30V DC
Working current: 70mA/24V DC
Communication protocol: HDL Buspro
、 Ethernet、 RS485
Installation: 35mm DIN rail installation

Features and Specifications

- Real-time update of device status and device control;
- The server application automatically prompts for upgrade;
- Supported protocol: http \ tcp \ udp \ mqtt; Support intranet communication, remote access;
- System detection, device status report;
- Support backup upload and download of APP, Cloud, debugging software;
- Drive management of third-party products;
- Data backup and data recovery function.



Buspro Gateway(Home Kit Version)

HDL-MGWIP.430

It is a product designed based on Linux system hardware platform. It supports HDL Buspro Setup Tool, ON+, Cloud server, etc., integrating scene, logic, security, clock, server automatic prompt upgrade and other functions. With Apple HomeKit, it supports the following functions currently: switch, dimming, CCT, RGB, curtain motor, curtain panel (Apple only support open and close).

Working voltage: 15~30V DC
Working current: 70mA/24V DC
Communication protocol: HDL Buspro 、 Ethernet、 RS485
Installation: 35mm DIN rail installation

- Features and Specifications
- Real-time update of device status and device control;
 - The server application automatically prompts for upgrade;
 - Supported protocol: http \ tcp \ udp \ mqtt; Support intranet communication, remote access;
 - System detection, device status report;
 - Support backup upload and download of APP, Cloud, debugging software;
 - Drive management of third-party products;
 - Data backup and data recovery function.



1 Port Programming Gateway

HDL-MBUS01P.431

It enables bidirectional data exchange between HDL Buspro and Ethernet.

- Support local control (default), p2p control, and remote control;
- Up to 4 devices (iPad, iPhone, Touchlife, HDL Buspro Setup Tool, etc.) connection supported for remote control;
- Smart data exchange for reducing data traffic;
- Communication: HDL Buspro, IP network;
- Working voltage: 12~30V DC;
- Working current: 40mA/24V DC.



RS232/RS485 Gateway

HDL-MRS232U.431

This device enables the two-way communication between RS485/RS232 interface devices and Buspro system devices.

- Input command number up to 99, ASCII code number contained in each command up to 33;
- Working voltage: 15~30V DC;
- Working current: 15mA/24V DC;
- There are standard version and special version, and the special version supports clock function.



Buspro-RS485 Interface Mini

HDL-M485/GW.40

It enables the bidirectional communication between the RS485 interface device and the Buspro device.

- Working voltage is 15~30V DC, working current is 24mA/24V DC;
- With independent programming button and programming indicator;
- Short press the programming button to realize all relay channels on/off;
- Provide power and communication interface for HDL Tile series panel.



HDL-BUS and KNX-EIB Interface Converter

HDL-MCEIB.231

It is a gateway between HDL Buspro and KNX/EIB, 2-way Bridge Converter, to give full 2-way communication and make HDL Buspro as Family Member within the KNX Environment.

- Various data point format supported;
- Controls up to 254 targets;
- HDL Buspro working voltage: 15~30V DC;
- HDL Buspro working current: 5mA/24V DC;
- KNX/EIB working voltage: 21~30V DC;
- KNX/EIB working current: 6mA/30V DC.



24-Zone Dry Contact Module

HDL-MS24.232

It is a sensor signal input module, which supports up to 24 dry contact inputs.

- Both mechanical switches and combination switches can set 49 control targets ;
- Security function should be used in conjunction with the security module;
- Working voltage: 12~30V DC;
- Working current: 12mA/24V DC.



8-Zone Dry Contact Module

HDL-MSD08A.40

It supports 8-channel dry contact input with vandal-proof function.

- Supported switch mode: Switch mode, Dimup/down, Dim up or Dim down;
- Vandal-proof (One parallel contacted 1kQ resister required);
- Security function (Security module required);
- Working voltage: 12~30V DC;
- Working current: 15mA/24V DC.



4-Zone Dry Contact Module with Temp. Sensor

HDL-MSD04TA.40

It has 4 input channels and 4 output channels. Input signal supports dry contact, temperature signal and dry contact status display via LED indicators.

- 4-channel dry contact input with vandal proof;
- Supported switch mode: Switch mode, Dim up/down, Dim up or Dim down;
- Security function (Security module required);
- Temperature alarm: when the temperature exceeds preset range/value, alarm will be triggered;
- Working voltage: 12~30V DC;
- Working current: 10mA/24V DC.

Controllers / Actuators





Home Control Unit

HDL-MRCU.433

It supports the functions of gateway, mix controller, dry contact, and LED output.

Working voltage: 20~30V DC;
Working current: 300mA/24V DC;
Input voltage: AC100~240V , 50/60Hz;
RJ45 interface: UDP/IP network interface;
TRIAC: 16A TRIAC, minimum load is 30W;
Relay output: 5A/10A.

Features and Specifications

- 22 channel outputs;
- 24-channel dry contact inputs;
- 11-channel switch indicator outputs;
- 1CH external RS485 Bus data receiving and sending, internally converted into HDL Buspro protocol commands;
- Local connection control or remote connection configuration;
- HDL Buspro and RJ45 communication interface.



1CH 16A Flush-mounted Switching Actuator (EU)

HDL-MPR0116-E.40

It is a smart relay executive module installed in the wall box of the European standard panel. In conjunction with the corresponding dry contact panel, the actuator enables smart control of electrical devices.

- With one 16A relay control channel ;
- With 4 dry contact switch signal input channels, 4 LED switch signal output channels;
- With programming button and programming indicator;
- Working voltage: 15~28V DC;
- Working current: 95mA/24V DC.



2CH 10A Flush-mounted Switching Actuator (EU)

HDL-MPR0210-E.40

It is a smart relay executive module installed in the wall box of the European standard panel. In conjunction with the corresponding dry contact panel, the actuator enables smart control of electrical devices.

- With two 10A relay control channel(s);
- With 4 dry contact switch signal input channels, 4 LED switch signal output channels;
- With programming button and programming indicator;
- Working voltage: 15~28V DC;
- Working current: 65mA/24V DC.



3CH 10A Flush-mounted Switching Actuator

HDL-MPR0310.40

It is a smart relay executive module installed in the wall box of the Chinese standard panel. In conjunction with the corresponding dry contact panel, the actuator enables smart control of electrical devices.

- With three 10A TV8 relay control channels;
- With 7 dry contact switch signal input channels, 7 LED switch signal output channels;
- With programming button and programming indicator;
- Working voltage: 15~28V DC;
- Working current: 96mA/24V DC.



4CH 10A High Power Switch Actuator

HDL-MR0410.431

The actuator has 4 channels (10A for each channel) and 16A magnetic latching relay.

- Up to 4 separate zones;
- 8 scenes for each zone, scene running time up to 60 minutes;
- 2 sequences for each zone, up to 4 steps for each sequence;
- Light protection delay, 0-25s of bulk power-on time and manual switch for each channel;
- Working voltage: 15~30V DC;
- Working current: 40mA/24V DC;
- Input voltage: 20V/240V AC (50/60Hz).



16CH 10A High Power Switch Actuator

HDL-MR1610.433

The actuator has 16 channels (10A for each channel) and 16A magnetic latching relay.

- Up to 16 separate zones;
- 32 scenes for each zone, scene running time up to 60 minutes;
- 2 sequences for each zone, up to 16 steps for each sequence;
- Light protection delay, 0-25s of bulk power-on time and manual switch for each channel;
- Working voltage: 15~30V DC;
- Working current: 40mA/24V DC;
- Input voltage: 20V/240V AC (50/60Hz).



8CH 10A High Power Switch Actuator

HDL-MR0810.432

The actuator has 8 channels (10A for each channel) and 16A magnetic latching relay.

- Up to 8 separate zones;
- 16 scenes for each zone, scene running time up to 60 minutes;
- 2 sequences for each zone, up to 8 steps for each sequence;
- Light protection delay, 0-25s of bulk power-on time and manual switch for each channel;
- Working voltage: 15~30V DC;
- Working current: 40mA/24V DC;
- Input voltage: 20V/240V AC (50/60Hz).



4CH 16A High Power Switch Actuator with Current Detection

HDL-MR0416C.431

The actuator has 4 channels and 50A magnetic latching relay and has manual control switches.

- Up to 4 separate zones;
- 8 scenes for each zone, scene running time up to 60 minutes;
- 2 sequences for each zone, up to 4 steps for each sequence;
- Light protection delay and mass turn-on delay for each channel;
- Channel current, used time of load and alarm status of each channel can be detected;
- Electronic life time of relay: >60000 (Resistance load)
- Working voltage: 24~30V DC;
- Input voltage: 120V/240V AC (50/60Hz) .



12CH 10A High Power Switch Actuator

HDL-MR1210.433

The actuator has 12 channels (10A for each channel) and 16A magnetic latching relay.

- Up to 12 separate zones;
- 24 scenes for each zone, scene running time up to 60 minutes;
- 2 sequences for each zone, up to 12 steps for each sequence;
- Light protection delay, 0-25s of bulk power-on time and manual switch for each channel;
- Working voltage: 15~30V DC;
- Working current: 40mA/24V DC;
- Input voltage: 20V/240V AC (50/60Hz).



8CH 16A High Power Switch Actuator with Current Detection

HDL-MR0816C.232

The actuator has 8 channels and 50A magnetic latching relay and has manual control switches.

- Up to 8 separate zones;
- 16 scenes for each zone, scene running time up to 60 minutes;
- 2 sequences for each zone, up to 8 steps for each sequence;
- Light protection delay and mass turn-on delay for each channel;
- Channel current, used time of load and alarm status of each channel can be detected;
- Electronic life time of relay: >60000 (Resistance load)
- Working voltage: 24~30V DC;
- Input voltage: 120V/240V AC (50/60Hz) .



12CH 20A High Power Switch Actuator with Current Detection

HDL-MR1220C.433

The actuator has 12 channels and 50A magnetic latching relay and has manual control switches.

- Up to 12 separate zones;
- 12 scenes for each zone, scene running time up to 60 minutes;
- 2 sequences for each zone, up to 2 steps for each sequence;
- Light protection delay and mass turn-on delay for each channel;
- Channel current, used time of load and alarm status of each channel can be detected;
- Electronic life time of relay: >60000 (Resistance load)
- Working voltage: 24~30V DC;
- Input voltage: 120V/240V AC (50/60Hz) .



8CH 16A High Power Switch Actuator (with Dry Contact)

HDL-MR0816D.432

The actuator has 8 channels(16A for each channel) and 50A magnetic latching relay and has manual control switches.

- 4 dry contact channels;
- Up to 8 separate zones;
- Up to13 scenes for each zone, and 12 of which are available for editing;
- 2 sequences for each zone, up to 12 steps for each sequence;
- Light protection delay, mass turn-on delay and manual switch for each channel;
- Electronic life time of relay: >60000 (Resistance load);
- Working voltage:24~30V DC;
- Working current:40mA/24V DC.



4CH 16A High Power Switch Actuator (with Dry Contact)

HDL-MR0416C.431

The actuator has 4 channels (16A for each channel) and 50A magnetic latching relay and has manual control switches.

- 3 dry contact channels;
- Up to 4 separate zones;
- Up to13 scenes for each zone, and 12 of which are available for editing;
- 2 sequences for each zone, up to 12 steps for each sequence;
- Light protection delay, mass turn-on delay and manual switch for each channel;
- Electronic life time of relay: >60000 (Resistance load);
- Working voltage: 24~30V DC;
- Working current: 40mA/24V DC.



12CH 16A High Power Switch Actuator (with Dry Contact)

HDL-MR1216D.433

The actuator has 12 channels (16A for each channel) and 50A magnetic latching relay and has manual control switches.

- 4 dry contact channels;
- Up to 12 separate zones;
- Up to13 scenes for each zone, and 12 of which are available for editing;
- 2 sequences for each zone, up to 12 steps for each sequence;
- Light protection delay, mass turn-on delay and manual switch for each channel;
- Electronic life time of relay: >60000 (Resistance load);
- Working voltage:24~30V DC;
- Working current:40mA/24V DC.



Buspro-DALI Controller

MDL64-BP_53

Based on HDL Buspro and DALI protocol, it has single-loop control, area/group control, scene control, sequence control, and can realize intelligent control through APP.

Parameters:
 Rated voltage 24V DC
 Rated current 15mA / 24V DC
 Input voltage 100 - 240V AC, 50/60Hz 0.1A

Features and Specifications

- Supports 64 DALI drives with different functions;
- Multiplexing of pre-set parameters in the driver;
- Supports dimming, color temperature and color control;
- Supports 16 zones/groups of settings, which can be controlled separately;
- 16 scenes can be set in each independent area, reaching a maximum of 256 scenes;
- Sequence can be set to select different areas of the scene;
- Support status feedback;
- Support bus short circuit protection;
- Support OTA upgrade.



6CH 10A 0-10V Ballast Dimming Actuator HDL-MRDA0610.432

It has 6-channel relay outputs and it is applicable for switch control. It has 6-channel for 0-10V analog signal outputs (supports input and output), which can control the 0-10V dimmable fluorescent tube and 0-10V LED light, etc.

- Up to 6 separate zones, up to 12 scenes in each zone;
- Up to 6 sequences, each sequence has 12 steps, running time for each step is 60 minutes;
- Bypass button for manual control is available to each channel;
- Working voltage: 15~30V DC;
- Working current: 30mA/24V DC;
- 0-10V output: 6CH/50mA (Total current is less than 100mA).



4CH 3A Leading Edge Dimming Actuator HDL-MD0403.432

It supports AC220V and AC110V power input. It has 4 output channels and each channel has a bypass button for manual control. Fuse protection is available for each channel, 8A fuse of each channel for protection (aR type).

- Up to 4 separate zones; up to 12 scenes for each zone;
- Up to 6 sequences and each sequence has 12 steps;
- 4 dimming curves with 512 dimming accuracy;
- Dimming mode: TRIAC, minimum load 40W;
- Working voltage: 15~30V DC;
- Working current: 28mA/24V DC.



2CH 6A Leading Edge Dimming Actuator HDL-MD0206.432

It supports AC220V and AC110V power input. It has 2 output channels and each channel has a bypass button for manual control. Fuse protection is available to each channel, 10A fuse of each channel for protection (aR type).

- Up to 2 separate zones; up to 12 scenes for each zone;
- Up to 6 sequences and each sequence has 12 steps;
- 4 dimming curves with 512 dimming accuracy;
- Dimming mode: TRIAC, minimum load 40W;
- Working voltage: 15~30V DC;
- Working current: 28mA/24V DC.



6CH 2A Leading Edge Dimming Actuator HDL-MD0602.432

It supports AC220V and AC110V power input. It has 6 output channels and each channel has a bypass button for manual control. Fuse protection is available for each channel, 4A fuse of each channel for protection (aR type).

- Up to 6 separate zones; up to 12 scenes for each zone;
- Up to 6 sequences and each sequence has 12 steps;
- 4 dimming curves with 512 dimming accuracy;
- Dimming mode: TRIAC, minimum load 40W;
- Working voltage: 15~30V DC;
- Working current: 28mA/24V DC.



2CH 3A Trailing Edge Dimming Actuator

HDL-MDT0203.532

It is a smart dimming control module based on techniques from MOSFET dimming, which supports two output channels. For each channel, it is respectively equipped with bypass button for manual control. In addition, MOSFET trailing edge dimming mode is applicable for each channel. The load types supported include incandescent lights, halogen lights, dimmable LED lights and dimmable LED drivers, etc.

- Up to 2 separate zones, and up to 12 scenes can be set for each zone;
- Up to 6 sequences, and 12 steps for each sequence;
- Short circuit protection, instant overvoltage protection and overheat protection;
- 4 dimming curves;
- Working current: 26mA/24V DC;
- Total output current: 6A Max.



6CH 1.5A Trailing Edge Dimming Actuator

HDL-MDT06015.533

It is a smart dimming control module based on techniques from MOSFET dimming, which supports six output channels. For each channel, it is respectively equipped with bypass button for manual control. In addition, MOSFET trailing edge dimming mode is applicable for each channel. The load types supported include incandescent lights, halogen lights, dimmable LED lights and dimmable LED drivers, etc.

- Up to 2 separate zones, and up to 12 scenes can be set for each zone;
- Up to 6 sequences, and 12 steps for each sequence;
- Short circuit protection, instant overvoltage protection and overheat protection;
- 4 dimming curves;
- Working current: 40mA/24V DC;
- Total output current: 9A Max.



4CH 1.5A Trailing Edge Dimming Actuator

HDL-MDT04015.532

It is a smart dimming control module based on techniques from MOSFET dimming, which supports four output channels. For each channel, it is respectively equipped with bypass button for manual control. In addition, MOSFET trailing edge dimming mode is applicable for each channel. The load types supported include incandescent lights, halogen lights, dimmable LED lights and dimmable LED drivers, etc.

- Up to 2 separate zones, and up to 12 scenes can be set for each zone;
- Up to 6 sequences, and 12 steps for each sequence;
- Short circuit protection, instant overvoltage protection and overheat protection;
- 4 dimming curves;
- Working current: 35mA/24V DC;
- Total output current: 6A Max.



2CH 10A Trailing Edge Dimming Power Amplifier

HDL-MDB0210.433

It works in conjunction with the dimming module to increase the output current of the dimming module.

- MOSFET dimming mode is adopted;
- LED status indicator for each output channel and manual control switch are available;
- Support short circuit protection and overheat protection;
- Input power voltage: AC100-240V (50/60Hz) ;
- Input control voltage: AC0-240V (50/60Hz) ;
- Maximum total output current: 16A.



Traic Constant Current Module

HDL-MCR01A.40

It provides the minimum current for TRIAC dimmer, eliminates or decreases the glitter of capacitive loads, for example, LED lights, electronic transformers, etc.

- 1 channel for load;
- 22mA constant current;
- Work in conjunction with TRIAC dimmer;
- Parallel connected when working with the lamp;
- Input voltage: 0~240V AC;
- Frequency: 50-60Hz.



6CH Input & Output Module

HDL-MSC06.432

It has 6ch 10A relay outputs and supports various kinds of output and input signal. The input types include: Dry contact, voltage, analogy voltage, current and analogy current.

- The input channel can be set as a mechanical switch and an electronic switch;
- Each input channel can be set to control 20 targets;
- Each input and output channel can be set separately;
- Working voltage: 15~30V DC;
- Working current: 80mA/24V DC;
- Signal output: 0~10V DC / 4~20mA.



6CH 5A Intelligent LED Dimming Actuator

HDL-MDLED0605.432

It can be used to control the LED light which has constant voltage. It has 6 output channels, and each channel has a bypass button for manual control.

- Up to 6 separate zones, up to 12 scenes in each zone;
- Each area has 1 sequence, each sequence has 12 steps;
- PWM constant voltage output;
- Working voltage: 15~30V DC;
- Working current: 40mA/24V DC;
- LED input voltage: 12~30V DC.



1CH 1A Flush-mounted Dimming Actuator (EU)

HDL-MPD0101-E.40

A smart dimming executive module installed in the wall box of the European standard panel, can be worked with the corresponding dry contact panel.

- With one 1A MOSFET trailing/leading edge dimming control channel;
- With 4 dry contact switch signal input channels;
- 4 LED switch signal output channels;
- With programming button and programming indicator;
- Working voltage: 15~28V DC;
- Working current: 48mA/24V DC.



6CH 10A High Performance Dimmer

HDL-MDH0610A.4D

A dimmer based on MOSFET dimming technology. The dimmer has 6 output channels, which can drive high-power load.

- 6CH 10A MOSFET trailing dimming outputs;
- Built-in 4 dimming curves;
- Support short-circuit protection, overheat protection and grounding protection;
- Input voltage: AC100~240V(50/60Hz);
- Power consumption with load: less than 4W;
- Connection: Three phase and four wires.



12CH 10A High Power Leading Edge Dimming Actuator

MWM65B.20

A silicon controlled rectifier module with 12 channels output. The actuator has scene controller and fire protection control output.

- 10 Bit dimming accuracy;
- Up to 12 separate areas, each area has 99 scenes;
- Short circuit and overload protection, PE protection;
- Input voltage: AC220V±10%;
- Power consumption with load: less than 10W;
- Connection: three phase and five wires



48CH DMX Scene Controller

HDL-MC48IP-DMX.431

It supports DMX512 and is designed to control RGB LED strips, RGB lights, and other DMX devices.

- 48-channel, up to 48 separate areas;
- Up to 99 scenes;
- Up to 99 sequences supported;
- Working voltage: 12~30V DC;
- Working current: 40mA/24V DC;
- RJ45 connection: RJ45-TCP/IP network interface



512CH DMX Scene Controller

HDL-MD512-DMX.232

It supports DMX512, Art Net, and HDL Net protocols and is designed to control RGB LED strips, RGB lights, and other DMX devices using 512 channels.

- 512 DMX channels control;
- Up to 16 areas supported and up to 1024 scenes for each area;
- Up to 99 sequences can be set;
- Soft reset supported;
- Working voltage: 12~30V DC;
- Working current: 200mA/24V DC



Curtain Motor

MWC1-BP.10

Open / close / stop / open or close at specific percentage, and support "Touch Start" by default.

- Auto pause and modification while detecting obstacles;
- Automatically complete the preset travel;
- Compatible with commissioning software and mobile APP;
- Motor input voltage: 100 - 240V AC, 50/60Hz;
- Motor rated consumption: 22W;
- Motor rotate speed: 90rpm;
- Motor sound level: < 30dB at silent mode



Hotel Curtain Motor

MWCM100DE-HT.11

Designed to drive curtain track, such as opening or closing the curtain.

- Open / close / stop / open or close at specific percentage;
- Manually start during power outage;
- Auto pause while detecting obstruction;
- Automatic setting travel memory;
- Compatible with two-channel or multi-channel remote controllers, adopting 433 remote control



2CH Motorized Curtain Control Module

HDL-MW02.431

It is specially designed for controlling curtains (shutters) through the controlling of AC motor.

- Hardware/software interlock for motor protection;
- Curtain working time settable;
- Control/Inching control of shutter;
- Working voltage: 15~30V DC;
- Working current: 35mA/24V DC;
- Electronic life time of relay: >60000 (Resistance load).



Buspro Blinds Motor 220V AC

MVSM35B.20

It is applicable with blinds, Roman blind, venetian blind, etc.

- High-accuracy position limit;
- Overheat and overload protection;
- Remote control supported with internal standard wireless receiving function (Remote controller is optional);
- Working voltage: 12~30V DC;
- Working current: 6mA / 24V DC;
- Rated input current: 0.9A;
- Motor rotate speed: 22rpm.



Digital AC Gateway VRV/VRF

HDL-MAC.M-B19

It can connect multiple air conditioners to the smart home centralized control system or BMS system. The product communicates with Ethernet network port, and supports work with Buspro Gateway.

- Supports the VRV/VRF AC systems of Daikin, Hitachi, Toshiba, Mitsubishi Electric, Hisense, Haier, Panasonic, York, Mitsubishi Heavy Industry, Midea, LG, AUX, Bosch, Gree, TICA, Samsung, Chigo, Trane, Carrier, McQuay, etc.



Curtain Remote Controller

YR2188

Curtain Remote Controller, voltage: 3.3V
Can control 2 channels



Digital AC Gateway Stand-alone

HDL-MAC.S-B27

It can be independently connected to air conditioning or coexist with the original panel, when coexisting with the original panel master-slave adaptation does not require manual setting. It can also support to connect the third-party panel to replace original panel.

- Supports the indoor unit of multiple brands of VRV/VRF or duct air conditioning systems, such as Daikin, Hitachi, Gree, Mitsubishi Heavy Industries, Midea, Hisense, Toshiba, York, Haier, etc;
- Support wired centralized control;
- Equipped with Bluetooth upgrade function;
- Support remote fault diagnosis function



Air Conditioning Control Module

HDL-MAC01.431

Designed to control centralized HVAC systems in conjunction with air conditioner panel. Master-slave mode supported, one master module can control 8 slave modules.

- Smart control of fan speed and modes;
- Up to 4 digital temperature sensors DS18B20 supported;
- 0-10V DC output for fan speed control;
- Working voltage: 15~30V DC;
- Working current: 95mA / 24V DC;
- Maximum current of each channel: 5A;
- Electronic life time of relay: >60000次



6CH Floor Heating Module

HDL-MFH06.432

Each channel supports 1A Relay output and 0-10V power output. Built-in PI controller, supports 13 digital temperature sensors.

- Detects temperature with digital temperature sensor DS18B20;
- Support AC/DC electrical heating valve and 0-10V electrical heating valve;
- Support flush function, manual flush or timer controlled;
- Working current: 150mA / 24V DC;
- DC 0-10V output current: 10mA;
- Relay unit life time: 50,000 actuations.



4CH Electric Fan Controller

HDL-MFAN04.432

It is specially designed fan control module, smart control of fan speed level is supported through controlling via smart control panel.

- Support four fans simultaneously;
- 9 fan speeds for each channel;
- Working voltage: 18~30V DC;
- Working current: 81mA/24V DC;
- Rated load: 4CH, 80W/CH Max.;
- Electronic life time of relay: >60000 actuations.



4CH IR Emitter with Current Detection

HDL-MIRC04.40

Transmit the IR codes to control IR devices, for example, air conditioner, TV, fan, projector, Set-Top Box, DVD, etc. It also supports current detection for devices.

- Support 24 devices and 100 IR codes;
- Current detection;
- Support up to 99 UV switches.;
- Working voltage: 30mA/24V DC;
- Sending carrier wave frequency: 38kHz;
- IR control distance: 5m.



Infrared Code Learner

HDL-MIR01L.01

Learn various key commands (for example, AC, TV, DVD, satellite receiver, audio & video device, etc.).

- 2.0 USB Interface, driver free and easy to use;
- Range of carrier wave frequency: 38kHz±20%.



Security Command Module

HDL-MSM.431

It can protect the 8 different areas and enable the creation of zone security areas. Sends real time SMS notifications if a security device is triggered.

- Multiple security modes: away, holiday, timing, etc. ;
- Multiple alarm modes: invade, fire, temperature, emergency, etc. ;
- Support review alarm history record;
- Multi-level security protection;
- Working voltage: 15~30V DC;
- Working current: 15mA/24V DC.



Logic Automation Module

HDL-MCLog.431

Used for controlling a series of targets. The logic conditions enable date and timing information input, universal switch status, and external inputs.

- Up to 12 logic groups can be set, each logic group
- Have 20 logic blocks;
- Each logic block has 4 input Pins and 20 output control targets;
- Built-in real-time clock;
- Working voltage: 15~30V DC;
- Working current: 15mA/24V DC.



HomePlay Network Player

HDL-MZBOX-A50B.30

Able to turn any pair of speakers to a wireless HiFi multiroom audio system, play music from a range of streaming services as well as smartphone, tablet, flash drivers and NAS.

- Multi format support;
- Simultaneous multi source multi room streaming;
- Fully compatible with HDL room scenes and sequences;
- Support music playback via connecting external audio devices;
- Wireless Connectivity: Supports 802.11 a/b/g/n standards;
- Wired Connectivity: Single 10/100M RJ-45 jack.



RCU Lite

MHMRCU-HT.13

It is an RCU module with thirteen integrated channels, including seven TV8 relays, three light strip control channels, one 25A relay, two MOSFET dimmer channels and one doorbell output. It is widely used in hotel smart home systems for controlling and managing doorbell panels, curtains, lamps, fans, air conditioners, floor heaters and other devices.

- Integrates with third-party device;
- Power on with/without a keycard;
- Supports up to eight groups of air conditioners, eight groups of curtain motors, four fans, three channels of heated floors;
- Sixteen channels of dry contact, supporting multiple modes and input/output settings;
- Customizable doorbell;
- Supports fifty scenes.



RCU Room Control Unit 2.0

HDL-MHRCU-II.433

It is the core of a hotel system, supporting hotel host control, mix module control, 48-channel dry contacts and doorbell function. There are totally 23 Channel output: Relay CH1-10 are 5A, Relay 11-12 are16A, Relay 13-20 are 3A and Dimming CH21-23 are 1A.

- HDL Buspro, RJ45, INNER RJ45, UDP/IP Network Interface;
- With 2 RS485 interfaces to support expansion;
- 1CH Door Bell relay and built-in 2CH IR control;
- Supports 50 scenes, each scene can be configured with 32 targets;
- 48 general logics and 8 normally used fixed logics;
- Working current: 260mA/24V DC.



RCU Room Control Unit

HDL-MHRCU.433

Up to 48 channels and 99 scenes. It supports hotel host control, mix module control, 24-channel dry contacts, doorbell status display and LED output.

- Light protection delay and mass turn-on delay for each channel;
- Activate corresponding scene according to card master after identification;
- Monitors and controls air conditioners, curtains, lightings, room status, etc.;
- Bidirectional data exchange between HDL Buspro and Ethernet;
- The RCU Room Control Unit has a RJ45 port;
- Working current: 300mA/24V DC.



51CH Hotel Room Control Host 2.0

MH48IP-II-HT.231

It has 51 dry contacts, 2 RS485 expansion interfaces, 1 Buspro bus interface and 1 UDP network communication interface. The device can control doorbell panels, curtains, lights, fans, air conditioners, floor heating and other devices.

- Integrates with third-party device;
- Two modes are available: card-free power-taking and card-inserting power-taking;
- Supports up to 8 air conditioners, 8 curtain motors, 4 fans, and 3 floor heating devices;
- Personalized doorbell control methods are available;
- Supports 50 scenes, each scene can be configured with 32 targets;
- 48 general logics and 8 normally used fixed logics;
- Supports system time setting;
- Saves the last history record.



Hotel Room Control Host

HDL-MH48IP/D.231

Up to 48 channels and 50scenes, it has 51-channel dry contacts and supports hotel room host control and dry contact function.

- Light protection delay and mass turn-on delay for each channel;
- Activate corresponding scene according to card master after identification;
- Monitor and control air conditioners, curtains, lightings, room status, etc.;
- Support connecting to devices in RS485 communication;
- The RCU Room Control Unit has a RJ45 port;
- Working current: 600mA/24V DC.



IOU Mix Control Actuator

HDL-MHIU-II.432

It supports functions of MOSFET dimming, relay, curtain control, dry contact, doorbell control and LED output.

- Channel 1 and 2 are trailing edge dimming outputs, up to totally 1.6A current output;
- Channel 3 to 12 are relay outputs, each channel is 5A;
- Channel 9 and 10, 11 and 12 can be used for curtain control;
- 14-channel dry contact input;
- Working voltage: 15~30V DC;
- Working current: 185mA/24V DC.



22CH Hotel Room Mix Control Module

HDL-MHMX22.232

It supports 16CH 5A relay control output, 4CH 10A relay control output and MOSFET dimming output.

- 20 relay channels and 2 MOSFET dimming channels;
- Support short circuit protection and overheat protection;
- Inner Bus communication is adopted;
- Support hardware identificationand and adopt dial code control;
- Working voltage: 15~30V DC;
- Working current: 180mA/24V DC.



4CH Universal Dimming Actuator

HDL-MHD04A.231

Enable the switch control between four channels of 0-10V dimming output and four channels of MOSFET dimming output.

- Isolated 0-10V output;
- Support short circuit protection and overheat protection;
- Inner Bus communication is adopted;
- Support hardware identificationand and adopts dial code control;
- Working voltage: 15~30V DC;
- Working current: 55mA/24V DC.



10CH Hotel Room Mix Control Module

HDL-MHMX10.231

It supports 6CH 5A relay control output, 2CH 10A relay control output and MOSFET dimming output.

- 8 relay channels and 2 MOSFET dimming channels;
- Support short circuit protection and overheat protection;
- Support hardware identificationand and adopt dial code control;
- Inner Bus communication is adopted;
- Working voltage: 15~30V DC;
- Working current: 100mA/24V DC.



8CH High Power Switch Actuator

HDL-MHR8.231

It supports control output of relay switch. Totally 8 relay channels: 2CH 10A and 6CH 5A, supports lights, FCU and curtain control.

- The relay channel can control the switch of connected channels;
- Inner Bus communication is adopted;
- ID address of the actuator can be configured via dial code control;
- Working voltage: 15~30V DC;
- Working current: 100mA/24V DC.

SENSORS



Occupancy Plus Sensor

MSMW24-BP.21

It integrates with human presence sensor, illuminance module, temperature detection module and two dry contact input function.

Features and Specifications

- Adopts 24GHz millimeter wave radar technology and human detection algorithm;
- Rated voltage: 24V DC;
- Input voltage: 12 - 30V DC;
- Micro motion detection frequency: 24GHz-24.25GHz;
- Micro motion detection range: Ø8m (Installation height is 3m);
- Illuminance detection range: 0-1200Lux;
- Temperature detection range: -20°C~60°C;



AirKit Quality Sensor

MAIR-Q/H.10

A comprehensive index of intelligent air monitoring instrument, which can monitor the air PM2.5 concentration, temperature, humidity, carbon dioxide (CO2), TVOC, etc.

- Adopt RS-485 communication interface and integrate ModBus RTU protocol;
- AC power supply: 180-240V;
- DC power supply: 7-32V;
- Working current: ≤250mA;
- TVOC range: 0.22-9.99mg/m³;
- PM2.5 parameter range: 0~999µg/m³;
- CO2 sensor range: 0-9999ppm;
- Temperature range: - 40 C~125 C.



Ceiling Mount 8-in-1 Sensor

HDL-MSP08M.4C

Built-in PIR sensor, LUX sensor, 2 dry contact inputs and 2 universal switches.

- With constant brightness control;
- 12 logic blocks and each block contains 10 object outputs;
- IR emission function of remote control code;
- Working voltage: 18~30V DC;
- Working current: 30mA/24V DC;
- Detection range: Φ6m ;
- IR emission distance: 4m;
- Illumination sensing range: 0-500lux.



Ceiling Mount 7-in-1 Sensor

HDL-MSP07M.4CT

Built-in PIR sensor, temperature sensor, LUX sensor, 2 dry contact inputs and 2 universal switches.

- 24 logical blocks and each block contains 10 object outputs;
- Constant LUX function;
- Working voltage: 18~30V DC;
- Working current: 25mA/24V DC;
- Detection range: Φ6m;
- Temperature detection range: -20 C~60 C ;
- Illumination sensing range: 0-500lux.



Ceiling Mount Indoor Microwave Sensor

HDL-MSW01.4C

Contain LUX sensor, microwave sensor, temperature sensor, dry contact and universal switch.

- 24 logic blocks and each block can control 20 object outputs;
- Support security function;
- Working voltage: 12~30V DC;
- Working current: 32mA/24V DC;
- Temperature detection range: -40°C~60°C;
- Illumination detection range: 0~5000LUX;
- Microwave detection range: Major axis direction: Φ 10m, Minor axis direction: Φ5m.



Wall Mount Outdoor Microwave Sensor

HDL-MSOUT.4W

It contains LUX sensor, microwave movement sensor, humidity sensor, temperature sensor, dry contact and universal switch.

- 24 logic blocks and each block can control 20 object outputs;
- Support security function and Tamper-proof function;
- Working voltage: 12~30V DC;
- Working current: 31mA/24V DC;
- Temperature detection range: -40°C~60°C;
- Illumination detection range: 0~15000LUX;
- Humidity detection range: 20~95%RH;
- Microwave detection range: Φ30m.



Ceiling Mount Ultrasonic Sensor

HDL-MSPU03.4C

Contain ultrasonic sensor and LUX sensor and universal switch.

- 24 logic blocks in total, each logic block has 20 output targets;
- Security function (security module required)
- Working voltage: 18~30V DC;
- Working current: 30mA/24V DC;
- Detection range: Φ6m;
- Illumination sensing range: 0-500lux.



Ceiling Mount Temp. Humidity & LUX Sensor

HDL-MASTH.2C

It contains built-in temperature sensor, LUX sensor, humidity sensor, dry contact input and external universal switch.

- 24 logic blocks;
- Working voltage: 12~30V DC;
- Working current: 25mA/24V DC;
- Temperature detection range: -20°C~60°C;
- Illumination detection range: 0~5000LUX;
- Humidity detection range: 20~95%RH.



Ceiling Mount PIR & LUX Sensor

HDL-MSP02.4C

It contains PIR motion sensor, LUX sensor and universal switch.

- 24 logic blocks in total, each logic block has 20 output targets;
- Security function (security module required)
- Working voltage: 18~30V DC;
- Working current: 20mA/24V DC;
- Detection range: Φ6m;
- Illumination sensing range: 0-500lux.

INFRASTRUCTURE DEVICES / ACCESSORIES



750mA Power Supply Module

HDL-MSP750.431

It provides 24V DC voltage, 750mA current with 2 connection types. The total current can reach 750mA.

- Short circuit and over current protection;
- Ripple Wave: Less than 150mV;
- Input voltage AC100-240V(50/60Hz).



1200mA Power Supply Module

HDL-MSP1200.431

It provides 24V DC voltage, 1200mA current with 2 connection types. The total current can reach 1200mA.

- Short circuit and over current protection;
- Ripple Wave: Less than 150mV;
- Input voltage AC100-240V(50/60Hz).



2400mA Power Supply Module

HDL-MSP2400.232

It provides 24V DC voltage and 2400mA current to the Buspro system.

- Short circuit and over current protection;
- Power Supply: 24V DC;
- Input voltage AC100-240V(50/60Hz).



HDL BUS 6 Lines

HDL-MBC06.431

It has 6 bus terminals and can connect up to 12 devices with hand-in-hand wiring to complete the simple connection.



HDL 6 Ports Switch

HDL-MBR06.431

Work with 1 Port Programming Gateway to expand device connection and is convenient for wiring.

- Data filtering;
- Data checking;
- 6 bus cables supported, up to 63 devices connection supported for each bus cable;
- Working voltage: 12~30V DC;
- Working current: 15mA/24V DC.



HDL FastFix cable

HDL-MCL04P, HDL-MCL08P, HDL-MCL12P, HDL-MCL16P

Supports all module types, including dimmers, sensors, user interfaces, relays, actuators, and controllers.

- 4 core shielded cable: red, black, white, yellow;
- Strong signal transmission capability;
- Strong anti-jamming capability;
- Convenient for wiring connection;
- Recommended connection: hand in hand.



A worldwide standard for home and building control

KNX is a worldwide standard for home and building control. Solutions based on HDL KNX are widely adopted to meet various automation needs of residential and large buildings around the globe.

In 2006, HDL joined the KNX Association. As a manufacturer member of KNX, HDL offers high quality KNX products to the market, such as smart panel, relay, dimmers, controllers, etc. And HDL KNX products were applied to many projects, for example, office block of the Australian institute of architects 41X and new NATO headquarters building. In 2017, HDL established the 16th KNX accredited test lab of the world.

Advantages

- Endless Flexibility
- Open Standard
- True Compatibility
- Safe and Dependable
- Easy-to-install

CONTROL PANELS / PANEL POWER INTERFACES



Source Series



Source 10



Source 7

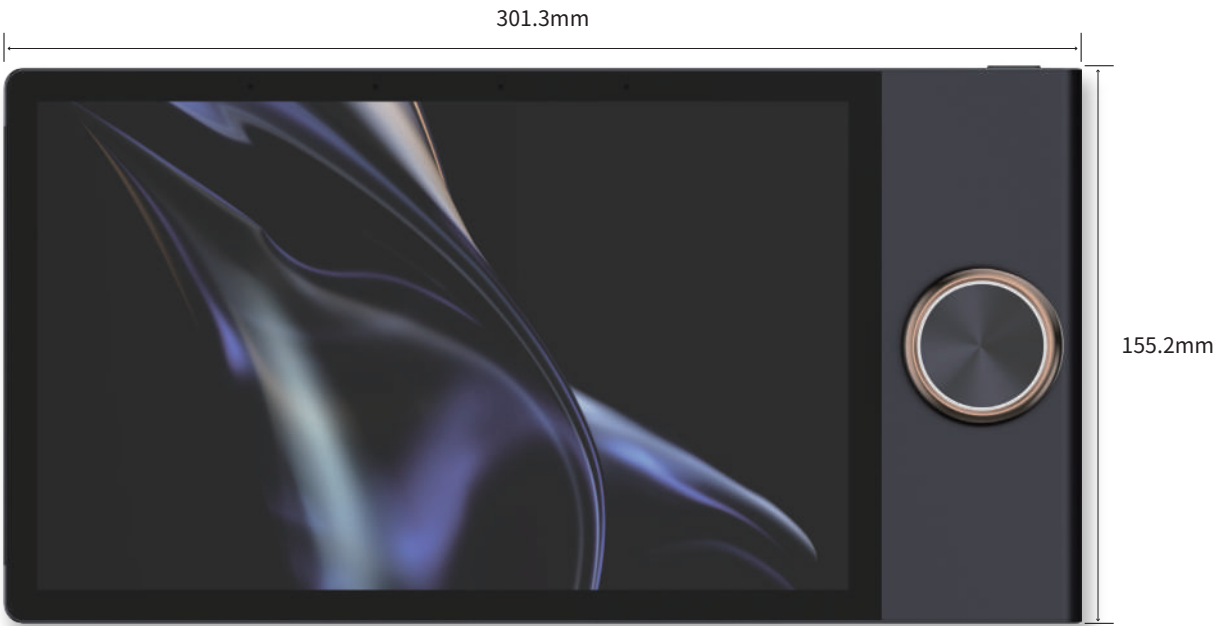


Source Mini

Source 10

Super-Sized Display: Source 10

Source 10 is a smart central control screen with a 2000×1200 ultra-clear display and an elegant skeuomorphic UI. More than a panel, it combines gateway, intercom, and smart control in one, designed for premium living.



Color: ■ Dark Purple



- 

Stepless knob assures accurate positioning
- 

Capable of working as a gateway
- 

Built-in proximity sensor for detecting human motion
- 

Turning off the microphone and display with one touch
- 

Enabling indoor communication between different rooms
- 

Multiple font sizes available, suitable for the whole family
- 

Built-in temperature & humidity sensor
- 

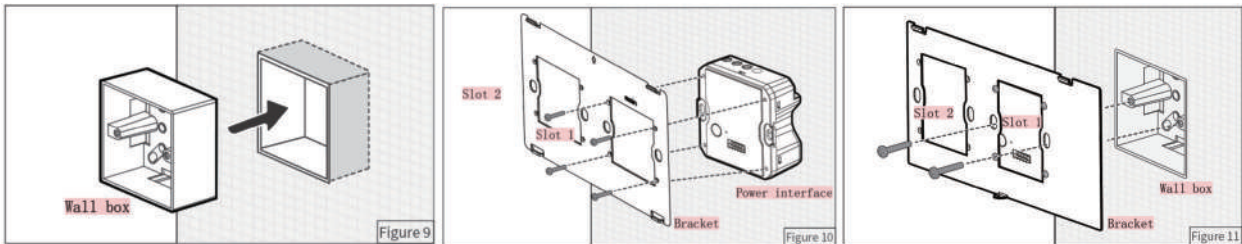
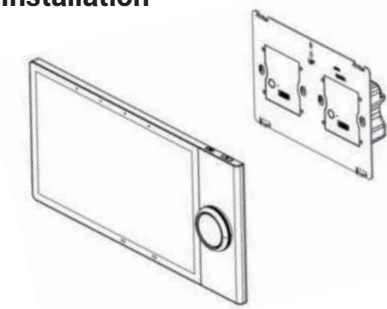
Available in Buspro, KNX, Buspro wireless, WiFi and RJ45



Specifications

- Dimensions: 301.3*155.2*9.8mm(Without power interface)
- Net weight: 1000g(With bracket & without power interface)
- Installation: Wall box
- IP degree(compliant with EN 60529): IP20

Installation





Source 7



Souce is a smart panel that enable to effortless control lighting, scenes, shading, HVAC and music. It adopts 7-inch LCD screen, equipped with HD camera for indoor communication and stepless knob, built-in Proximity Sensor, Temperature&humidity Sensor and LUX Sensor. The panel supports multi-gateway cross-drive control.

Dimension:
219.2×102×25.6mm (without power interface)
219.2×102×54.8mm (with power interface)
Housing material: PC
Installation: Wall box
Protection Type(Conform to EN 60529): IP20

Color: ● Pine green ● Mountain blue ● Ink black

Features and Specifications

- Stepless knob assures accurate positioning;
- Enabling indoor communication between different rooms;
- Capable of working as a gateway;
- Available in Buspro, KNX, Buspro wireless, WiFi and RJ45.



Source mini



Source Mini is a 4-inch smart center control panel with a screen resolution of 480×480. It is equipped with HDL LINK system and can be used with different protocol interfaces to integrate Buspro/KNX/Zigbee device control. This device integrates switch, dimmer, curtain, scene, color temperature, color control(RGB), background music, air conditioning, floor heating, fresh air, etc.

Dimension:
86×86×10.1mm (without power interface)
86×86×39.3mm (with power interface)
Housing Material: PC
Installation: Wall box
Protection Type(Conform to EN 60529): IP20

Features and Specifications

- Built-in temperature, humidity sensor, PIR sensor and LUX sensor;
- Enabling indoor communication between different rooms;
- Capable of working as a gateway, supporting Buspro, KNX and Zigbee;
- 4-inch color IPS capacitive touch screen, anti-fingerprint screen, resolution 480x480.



Xelent Series

The Xelent series offers a range of control panels with a refined and consistent design, combining visual quality with intuitive interaction. Clean lines, premium finishes, and well-structured layouts create a modern look across different applications.



Color:

Metal: Brass Bronze Black

Plastic: Ivory White Charcoal Gray

Features and Specifications

-  ±1°C accurate temperature control

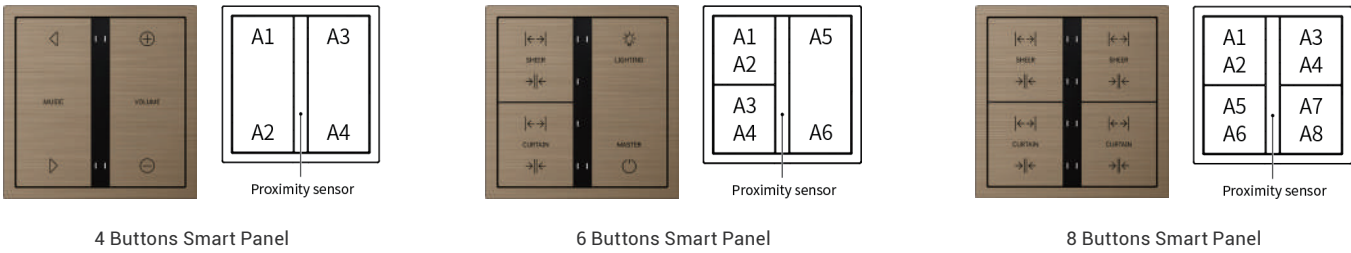
 Panel lock for smart energy savings

 Supports horizontal and vertical installation
-  Precise sensing adjustable from 10 to 100 cm

 Compatibility with EU, CH, and US wall boxes

Xelent Series Button Smart Panel

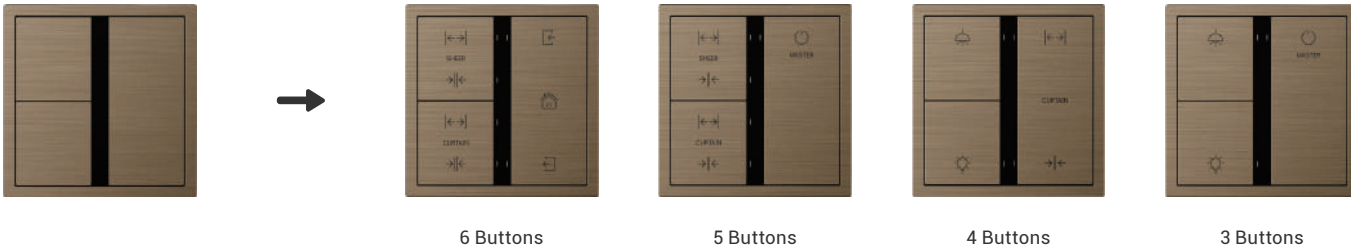
The Xelent series smart button panel offers flexible control of lighting, curtains, and scenes. Button layouts can be reconfigured via software, with customizable icons and RGB indicators for clear feedback.



Flexible Button Layouts

Standard 4/6/8-button panels can be reconfigured via software into different button layouts, allowing flexible adjustment of button counts to suit various control needs and application scenarios.

Example:



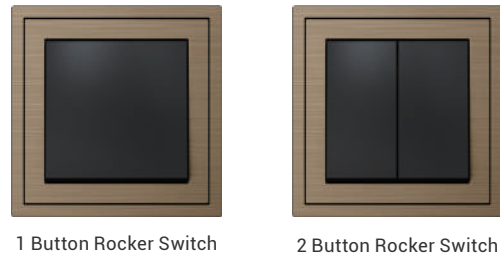
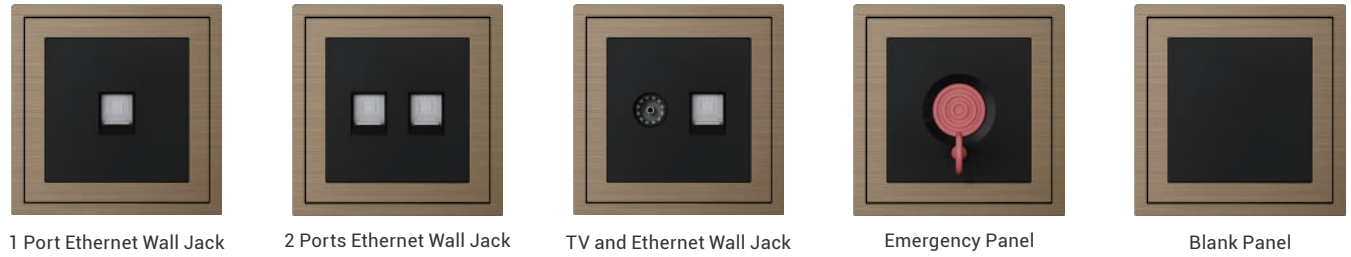
Xelent Series Thermostat Panel

The Xelent series thermostat panel features a high-definition LCD display and an intuitive interface for clear HVAC control. Integrated sensing and system linkage enhance energy efficiency and user comfort.



Xelent Series Non-Smart Panel

The Xelent series also includes a full range of non-smart panels, ensuring visual consistency while supporting complete solution integration.





Tile Series



Tile is a series of smart control panels in EU standard. You can use just one unit if it meets your requirement, or combine multiple units to serve more functionalities in a specific area. It is able to keep the walls in a consistent and beautiful look while meeting various requirements of functionalities.

Color: Plastic: ○ Ivory White ● Ash Gray
● Champagne Gold ● Space Gray
Metal: ● Champagne Gold ● Space Gray

Features and Specifications

- Precise temperature detection and control;
- Maximum sensing distance up to 80cm;
- Button-locking function;
- Eye-friendly indicator light mode;
- Customizable button icons and colors.



Tile Display

Tile Display is a multi-function control panel for home automation. With 3.5-inch LCD screen and full-screen touch control, it is convenient for the users to control lighting, curtain, scene, air conditioning, floor heating, music and fresh air in an intuitive way. Tile Display can be combined with other panels in the Tile series for more functionality but with a consistent look.

Features and Specifications

- Built-in temperature, humidity sensor and proximity sensor;
- Adjustable LCD screen backlight brightness;
- Support screen lock;
- LCD screen wakes up automatically;
- Support sleep mode;
- Support online upgrade;



Tile Series Thermostat 2.1

Tile Series Thermostat 2.1 has a segmented LCD screen and mechanical buttons, each button supporting laser engraving, and it has air conditioning, underfloor heating, fresh air pages and mode, wind speed pages.

Features and Specifications

- Built-in temperature and humidity sensor;
- Proximity sensing function;
- Button lock/unlock function;
- Support HDL Buspro online upgrade;
- Customizable brightness and colour of indicator lights.



Tile Series Smart Door Bell 2.1

Tile Series Smart Door Bell 2.1 is a door bell panel which is installed outside the room by the door. It can be controlled through the button panel or other devices to display the user's requirements, such as DND, Please Wait and Clear Up Room. Custom settings can be made through HDL Studio software to meet different user needs.

Features and Specifications

- Smart device control with hotel room control units;
- Adjustable LED indicator through HDL Studio software;
- Supporting multi-gang installation with Tile series panels;
- Customizable button icons.



Tile Series Push-button Panel

Tile Series 1/2/3/4/8-button smart panel 2.1, with mechanical buttons, supports a variety of button modes and button control types. It can achieve basic control functions such as switch, dimming, colour temperature, RGB control, curtain, scene, etc.

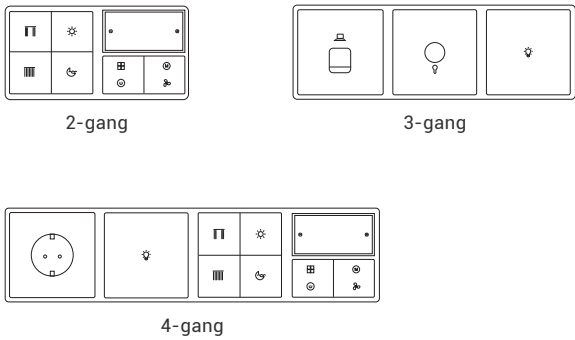
Features and Specifications

- Built-in temperature sensor;
- Button locking function;
- Customizable brightness and colour of indicator lights;
- Proximity sensing function;
- Customizable button icons.

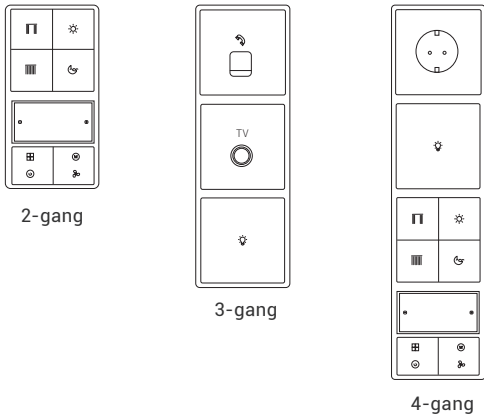
Flexible Combinations

The Tile series panels support both vertical and horizontal, allowing for versatile combinations and multi-function control.

- Horizontal



- Vertical



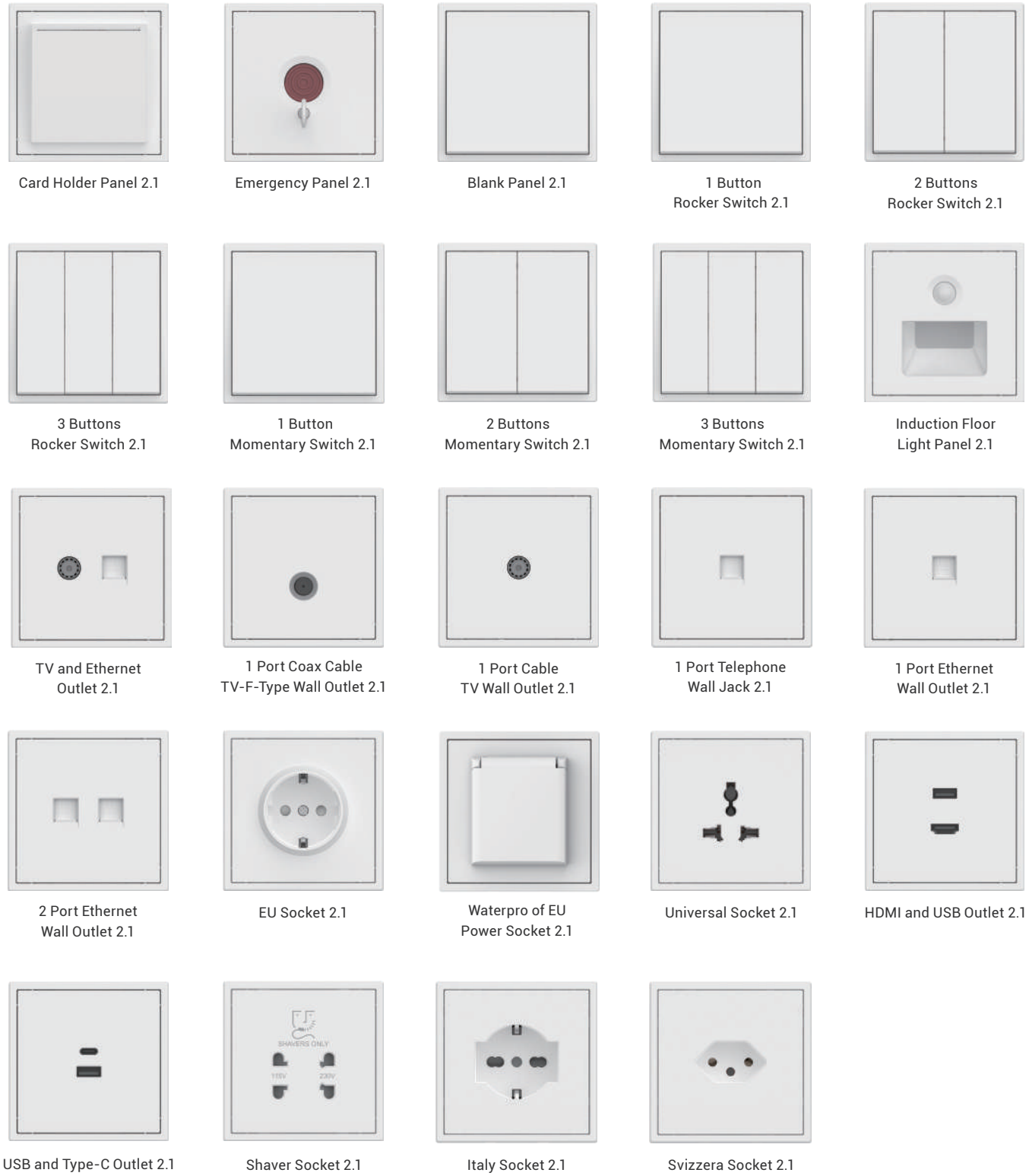
Supported control types include

- Scene
- Sequence
- Time Switch
- Universal Switch
- Single Channel Adjustment
- Broadcast Scene
- Broadcast Channel
- Curtain Switch
- GPRS control
- Panel Control
- Fire protection module
- Music Control



Tile Series Non-Smart Panels

To provide users with better smart home solutions, Tile Series 2.1 comes with various non-smart products for solution design.



Granite Series



Granite Display

Granite Display is a high-end and multi-function control panel for home automation. With 4-inch LCD screen and full-screen touch control, it is convenient for the users to control lighting, curtain, scene, air conditioning, floor heating, music and fresh air in an intuitive way.

Working voltage: 21~30V DC
Working current: 12mA/30V DC
Auxiliary current: 108mA/24V DC
Installation: Wall box

Color: ● Space Gray

Features and Specifications

- Built-in temperature and humidity sensor, proximity sensor;
- Support screen lock;
- Adjustable LCD backlight brightness;
- LCD screen wakes up automatically;
- Support sleep mode;
- Support online upgrade.



Granite 4.3



Granite Display



Granite



Granite 4.3"

Granite 4.3" is a multi-function control panel with 4.3-inch LCD screen and full-screen touch control. There are dedicated pages for lighting, curtain, scene, air conditioning, floor heating, music and fresh air. And users can also quickly access the most frequently used functionality or scenes by the short-cut buttons on the home screen.

Working voltage: 21~30V DC
Working current: 15mA/30V DC
Auxiliary current: 110mA/24V DC
Installation: Wall box

Color: ● Space Gray

Features and Specifications

- Built-in temperature and humidity sensor, proximity sensor;
- Support screen lock;
- Adjustable LCD backlight brightness;
- LCD screen wakes up automatically;
- Support sleep mode;
- Portrait mode and landscape mode supported.



Granite

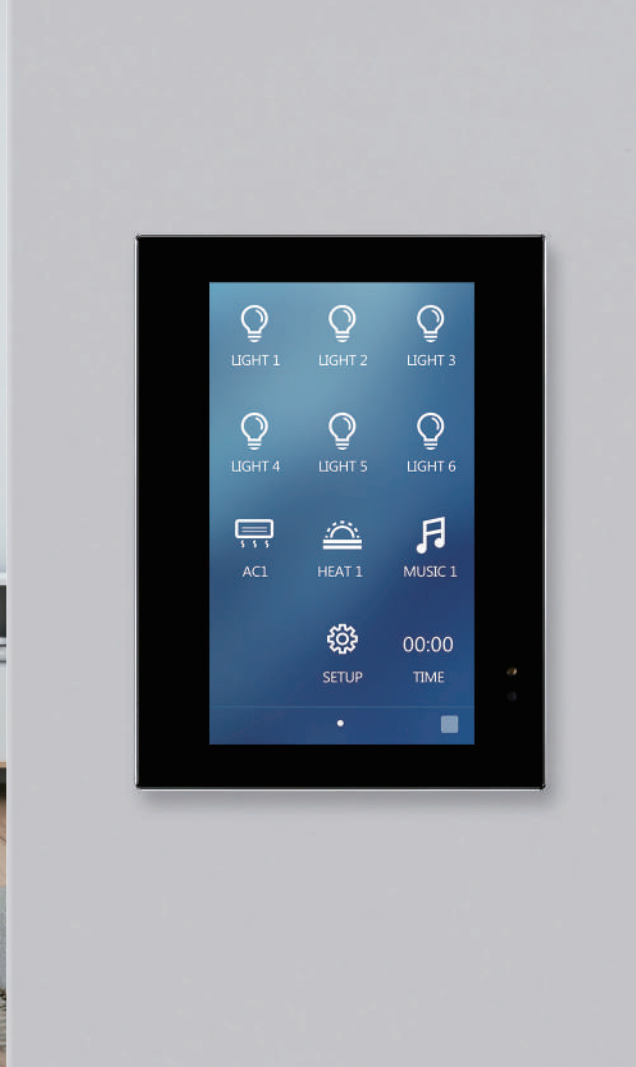
Granite is a series of multi-functional push-button panels with aluminum plate for home automation, used to control lighting, curtain and scene. It is available in two sizes, EU size with 4 buttons and US size with 6 buttons.

Working voltage: 21~30V DC
Working current: 6mA/30V DC
Installation: Wall box

Color: ● Space Gray

Features and Specifications

- Built-in temperature probe, can automatically obtain the temperature information;
- Support LED backlight and indicator;
- Adjustable color and brightness of LCD backlight;
- Customizable icon;
- Combination button mutual exclusion function is available.



iTouch

A series of multi-functional touch control panels for home automation both in EU and US standard. The US standard has 2, 4 and 6 buttons while EU standard has only 2 and 4 buttons. iTouch is enclosed by a fine aluminum frame, and always used to control lighting, curtain, AC, scene, music, etc

Working voltage: 21~30V DC
Working current: 13mA/30V DC
Installation: Wall box

Color: ● Black ○ White

Features and Specifications

- Touch button with RGB backlight;
- Adjustable RGB indicator color and brightness;
- Customizable button icons;
- Support online upgrade.



Enviro

Enviro Touch Screen is a high-end and multi-function control panel for home automation. With 4.3-inch color capacitive LCD screen and touch control, it is convenient for the users to control lighting, scene, curtain, music, air conditioning, floor heating and others in an intuitive way.

Working voltage: 21~30V DC
Working current: 21mA/30V DC
Auxiliary current: 10mA/24V DC
Installation: Wall box

Color: ○ White ● Black

Features and Specifications

- Built-in temperature sensor;
- Adjustable LCD backlight;
- LCD screen wakes up automatically.;
- Customizable UI;
- Support online upgrade.



DLP



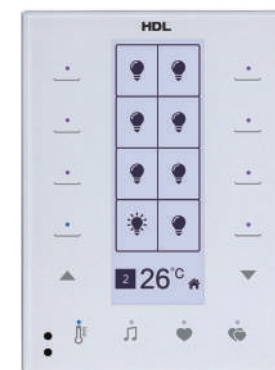
DLP is a series of smart control panels with physical buttons and mono-color LCD display for home automation both in EU and US standard. With 8 control buttons and 2 page buttons, the panel has 4 general pages for lighting, curtains, etc. and dedicated pages for AC, floor heating and background music.

Working voltage: 21~30V DC
Working current: 20mA/30V DC
Installation: Wall box

Color: ● Black ○ White

Features and Specifications

- Built-in temperature sensor;
- Icon for Key Buttons can be changed;
- Support 147 languages;
- Customizable icons or captions;
- Support online upgrade.



DLP Touch

DLP Touch is designed to offer you a quick and simple touch-control experience. With the mono-color LCD in the middle, you can have the icons or text customized. It has 8 control buttons, 2 page buttons and 4 shortcut buttons, which is convenient for users to control lights, curtains, AC, floor heating, background music, etc.

Working voltage: 21~30V DC
Working current: 20mA/30V DC
Installation: Wall box

Color: ● Black ○ White

Features and Specifications

- Built-in temperature sensor;
- Customizable icons and captions;
- RGB button indicator and voice prompt are available;
- Adjustable LCD backlight;
- LCD screen wakes up automatically;
- Touch button can be locked via KNX/EIB.



KNX Panel Power Interface EU

M/PCI.1-A

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.

- Working voltage is 21~30V DC;
- The panel power interface should be installed on the wall box.



KNX Panel Power Interface US

M/PCI.3-A

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.

- Working voltage is 21~30V DC;
- The panel power interface should be installed on the wall box.



KNX Panel Power Interface EU (with External Power Supply)

M/PCI2PE.1

It has 2 power interfaces. The auxiliary power interface is connected to an external power supply to provide an auxiliary power input for the matching panel.

- Working voltage: 21~30V DC
- Auxiliary power supply: 20~30V DC.



KNX Panel Power Interface US (with External Power Supply)

M/PCI2PU.2

It has 2 power interfaces. The auxiliary power interface is connected to an external power supply to provide an auxiliary power input for the matching panel.

- Working voltage: 21~30V DC
- Auxiliary power supply: 20~30V DC.



Power Interface-With 2CH 10A Relay

M/PCI2PC2R.1

Work in conjunction with KNX Granite Display, etc. and provide working power and communication signals to the panel..

- With 2 10A relay channels;
- With independent programming button and programming indicator;
- Relay usage time & frequency statistics;
- Relay health check (voltage detection);
- Working current: 25mA/30V DC;
- Auxiliary current: 10mA/24V DC.



Power Interface-With 3CH 10A Relay

M/PCI2PC3R.1

It is a standard panel power interface with relay channels. The power interface has an independent device ID address, including 10A relay channels.

- With 3 10A relay channels;
- With independent programming button and programming indicator;
- Relay usage time & frequency statistics;
- Relay health check (voltage detection);
- Working current: 25mA/30V DC;
- Auxiliary current: 10mA/24V DC.



KNX Panel Power Interface EU

MPFPIT-1P-KT.18

It is used with KNX smart panels to provide working voltage and communication signals for the panel.

- Working voltage: 21V~30V DC
- Rated voltage: 30V DC
- Rated current: 50mA
- Output power: 0.2A/5V DC
- Dimensions: 51.2mm×51.2mm×23.1mm



KNX Panel Power Interface with 2CH 10A Relay

MPFPIT-0210-KT.17

It adopts KNX protocol for communication and control. It can be used as the power supply interface of the panel, and can be installed in the 86 wall box with the panel to realize the intelligent control of home lights, curtains, fans, sockets and other power-using devices.

- Working voltage: 21V~30V DC
- Rated voltage: 24V DC
- Rated current: 400mA
- Output power: 1A/5V DC
- Dimensions: 68.2mm×68.85mm×26.62mm



KNX Panel Power Interface with Auxiliary Power Supply EU

MPFPIT-2P-KT.18

It is used with KNX thermostat panels and display panels to provide working voltage and communication signals for the panel.

- Working voltage: 21V~30V DC
- Rated voltage: 30V DC + 24V DC
- Rated current: 400mA
- Output power: 1A/5V DC
- Dimensions: 51.2mm×51.2mm×23.1mm



KNX Panel Power Interface with 4CH 10A Relay

MPFPIT-0410-KT.17

It adopts KNX protocol for communication and control. It can be used as the power supply interface of the panel, and can be installed in the 86 wall box with the panel to realize the intelligent control of home lights, curtains, fans, sockets and other power-using devices.

- Working voltage: 21V~30V DC
- Rated voltage: 24V DC
- Rated current: 400mA
- Output power: 1A/5V DC
- Dimensions: 68.2mm×68.85mm×26.62mm

GATEWAYS / DRY CONTACT MODULES



KNX Gateway



M/GWASC.1

It is a product designed based on Linux system hardware platform. It supports HDL Buspro Setup Tool, ON+, Cloud server, etc., integrating scene, logic, security, clock, server automatic prompt upgrade and other functions.

- Working voltage: 21~30V DC
- Working current: 20mA/30V DC
- Communication protocol: KNX, RS485, Ethernet



KNX-RS485 Interface Mini

M/RS485MNI.1

Used for bidirectional data exchange between KNX and RS485.

- Support up to 200 control targets;
- Up to 200 characters for each target;
- 24 sequences supported;
- Communication: KNX, RS485;
- Working voltage: 21~30V DC;
- Working current: 10mA/30V DC.



KNX 48CH Dry Contact Module

M/S48.1

Support 48-channel dry contact input, which enables control of lights, curtains, scenes, etc..

- Switch dry contact input and output;
- Can be used to detect dry contacts when as input channel;
- Output pulse signal to drive an LED status indicator when as output channel;
- Support up to 10 scenes, and up to 100 output targets;
- Working current: 3mA/30V DC;
- Auxiliary current: 10mA/24V DC.



KNX 24-Zone Dry Contact Module

M/S24.1

Support 24-channel dry contact input and each of which can be individually controlled with up to 13 different control targets.

- Dry contact type can be set as mechanical switch or electric switch;
- Working voltage: 21~30V DC;
- Working current: 10mA/30V DC.



KNX 8-Zone Dry Contact Module

M/S08.1

It has 8-channel dry contact input and supports 2 control modes, including dry contact input control and logic control.

- Level 1-4 logic controls can be set;
- Have 18 logic blocks;
- Have 10 logic output blocks, each logic block can independently control 8 targets;
- Working voltage: 21~30V DC;
- Working current: 5mA/30V DC.



KNX 4-Zone Dry Contact Module

M/S04.1

It has 4 input channels and 4 output channels.

- Dry contact input and temperature sensor input are available;
- Support 4CH dry contact input and 4CH LED state output;
- 0-10V dimming output signal enable to control 0-10V devices, such as LED lights;
- Support sensor control, logic control, dimming control;
- Working current: 5mA/30V DC;
- DC0~10V output current: 3mA.

CONTROLLERS / ACTUATORS





KNX 1CH 16A Flush-mounted Switching Actuator (EU)

M/FME1R.1

It is a smart relay executive module installed in the wall box of the European standard panel. In conjunction with the corresponding dry contact panel, the actuator enables smart control of electrical devices.

- Support 1CH 16A relay control channel;
- 4 dry contact input channels;
- 4CH LED output, 12mA/CH;
- With programming button and programming indicator;
- Working current 25mA/30V DC;
- Auxiliary current 53mA/24V DC.



KNX 2CH 10A Flush-mounted Switching Actuator (EU)

M/FME2R.1

It is a smart relay executive module installed in the wall box of the European standard panel. In conjunction with the corresponding dry contact panel, the actuator enables smart control of electrical devices.

- Support 2CH 10A relay control channels;
- 4 dry contact input channels;
- 4CH LED output, 12mA/CH;
- With programming button and programming indicator;
- Working current 25mA/30V DC;
- Auxiliary current 53mA/24V DC.



KNX 4CH 16A High Power Switch Actuator

M/R4.16.1

The actuator has 4 channels (16A for each channel) and 50A magnetic latching relay and has manual control switches.

- Maximum output current of each channel:16A;
- Heating function: PWM(1bit/1byte) control output;
- Working voltage: 21~30V DC Class 2;
- Working current: 15mA/30V DC;
- Input voltage: 120V/240V AC (50/60Hz);
- Operation times: >100,000.



KNX 8CH 10A High Power Switch Actuator

M/R8.10.1

The actuator has 8 channels and each channel outputs 10A current.

- Maximum output current of each channel:10A;
- Heating function: PWM(1bit/1byte) control output;
- Working voltage: 21~30V DC Class 2;
- Working current: 15mA/30V DC;
- Input voltage: 120V/240V AC (50/60Hz);
- Operation times: >100,000.



KNX 3CH 10A Flush-mounted Switching Actuator

M/FMC3R.1

It is a smart relay executive module installed in the wall box of the Chinese standard panel. In conjunction with the corresponding dry contact panel, the actuator enables smart control of electrical devices.

- Support three 10A relay control channels;
- 7 dry contact input channels;
- 7CH LED output, 12mA/CH;
- With programming button and programming indicator;
- Working current 25mA/30V DC;
- Auxiliary current 53mA/24V DC.



KNX 4CH 10A High Power Switch Actuator

M/R4.10.1

The actuator has 4 channels and each channel outputs 10A current.

- Maximum output current of each channel:10A;
- Heating function: PWM(1bit/1byte) control output;
- Working voltage: 21~30V DC Class 2;
- Working current: 15mA/30V DC;
- Input voltage: 120V/240V AC (50/60Hz);
- Operation times: >100,000.



KNX 12CH 10A High Power Switch Actuator

M/R12.10.1

The actuator has 12 channels and each channel outputs 10A current.

- Maximum output current of each channel:10A;
- Heating function: PWM(1bit/1byte) control output;
- Working voltage: 21~30V DC Class 2;
- Working current: 15mA/30V DC;
- Input voltage: 120V/240V AC (50/60Hz);
- Operation times: >100,000.



KNX 16CH 10A High Power Switch Actuator

M/R16.10.1

The actuator has 16 channels and each channel outputs 10A current.

- Maximum output current of each channel:10A;
- Heating function: PWM(1bit/1byte) control output;
- Working voltage: 21~30V DC Class 2;
- Working current: 15mA/30V DC;
- Input voltage: 120V/240V AC (50/60Hz);
- Operation times: >100,000.



KNX 4CH 16A High Power Switch Actuator with Current Detection

M/R4.16.1-CD

The actuator has 4 channels and 50A magnetic latching relay.

- Maximum output current of each channel:16A;
- Heating function: PWM(1bit/1byte) control output;
- Current detection function;
- Working voltage: 21~30V DC Class 2;
- Working current: 15mA/30V DC;
- Input voltage: 120V/240V AC (50/60Hz);
- Operation times: >100,000.



KNX 8CH 16A High Power Switch Actuator with Current Detection

M/R8.16.1-CD

The actuator has 8 channels and 50A magnetic latching relay.

- Maximum output current of each channel:16A;
- Heating function: PWM(1bit/1byte) control output;
- Current detection function;
- Working voltage: 21~30V DC Class 2;
- Working current: 15mA/30V DC;
- Input voltage: 120V/240V AC (50/60Hz);
- Operation times: >100,000.



KNX 12CH 16A High Power Switch Actuator with Current Detection

M/R12.16.1-CD

The actuator has 12 channels and 50A magnetic latching relay.

- Maximum output current of each channel:16A;
- Heating function: PWM(1bit/1byte) control output;
- Current detection function;
- Working voltage: 21~30V DC Class 2;
- Working current: 15mA/30V DC;
- Input voltage: 120V/240V AC (50/60Hz);
- Operation times: >100,000.



KNX 8CH 16A High Power Switch Actuator

M/R8.16.1

The actuator has 8 channels (16A for each channel) and 50A magnetic latching relay and has manual control switches.

- Maximum output current of each channel:16A;
- Heating function: PWM(1bit/1byte) control output;
- Working voltage: 21~30V DC Class 2;
- Working current: 15mA/30V DC;
- Input voltage: 120V/240V AC (50/60Hz);
- Operation times: >100,000.



KNX 12CH 16A High Power Switch Actuator

M/R12.16.1

The actuator has 12 channels (16A for each channel) and 50A magnetic latching relay and has manual control switches.

- Maximum output current of each channel:16A;
- Heating function: PWM(1bit/1byte) control output;
- Working voltage: 21~30V DC Class 2;
- Working current: 15mA/30V DC;
- Input voltage: 120V/240V AC (50/60Hz);
- Operation times: >100,000.



KNX 17CH Mix Actuator

M/MHR17U.1

It is used for controlling relays, dimmers, curtains and air conditioners.

- Supports 17CH relay control channels;
- CH1-6 and 12-17 are TV8 5A relays;
- CH7-11 are 10A magnetic latching relays;
- Working current: 14mA/30V DC;
- Auxiliary current: 97mA/30V DC.



KNX 19CH Mix Actuator

M/MHD02R17U.1

It is used for controlling relays, dimmers, curtains and air conditioners.The actuator supports 19CH control channels.

- 17 relay channels and 2 MOSFET dimming channels;
- CH1-6 and 12-17 are TV8 5A relays;
- CH7-11 are 10A magnetic latching relays;
- MOSFET dimming output channel: 2CH/1A;
- Working current: 14mA/30V DC;
- Auxiliary current: 97mA/30V DC.



KNX-DALI Controller

MDL64-KT.53

KNX-DALI Controller is a DALI-2 dimming control module based on KNX communication protocol. The device has single-loop control, zone/group control, scene control, and can realize intelligent control of lighting equipment and linkage control of intelligent equipment through APP.

- Supports 64 DALI drivers with different functions;
- Supports switching, dimming, color temperature and color control;
- Control objectives: broadcast, loop, group and scene;
- Address management and assignment of DALI drivers with HDL KNX Assistant Software;
- DALI driver scene control, which can be configured and managed with the HDL KNX Assistant
 - Software;
 - Status feedback;
 - Online upgrade.



KNX 6CH 10A 0~10V Dimming Actuator

M/DA6.10.1

It supports 6-channel 0/1-10V dimming, and each circuit is equipped with 10A relay synchronous control to turn it on and off.

- The buttons can be manually controlled to control the switch and dimming;
- Both current absorbing and output ballasts can be used;
- Working current: 15mA/30V DC;
- Dimming output: 0~10V DC, 24mA/CH;
- Electrical life time: >100000;
- Mechanical life time: >100000.



KNX 2CH 3A Trailing Edge Dimming Actuator

M/FME1D.1

It has 2 channels 3A output circuits, which supports multiple application functions. This series of dimming actuators are in full compliance with European Safety Standards and KNX standard protocol.

- Support leading and trailing edge mode;
- Parallel channels can form heavy current output;
- Manual switching, dimming for each channel;
- Working current: 20mA/30V DC;
- Input voltage: AC100-240V (50/60Hz);
- Total output current: 6A Max.



KNX 4CH 1.5A Trailing Edge Dimming Actuator

M/DM04.1

It has 4 channels 1.5A output circuits, which supports multiple application functions. This series of dimming actuators are in full compliance with European Safety Standards and KNX standard protocol.

- Support leading and trailing edge mode;
- Parallel channels can form heavy current output;
- Manual switching, dimming for each channel;
- Working current: 20mA/30V DC;
- Input voltage: AC100-240V (50/60Hz);
- Total output current: 6A Max.



KNX 6CH 1.5A Trailing Edge Dimming Actuator

M/DM06.1

It has 6 channels 1.5A output circuits, which supports multiple application functions. This series of dimming actuators are in full compliance with European Safety Standards and KNX standard protocol.

- Support leading and trailing edge mode;
- Parallel channels can form heavy current output;
- Manual switching, dimming for each channel;
- Working current: 25mA/30V DC;
- Input voltage: AC100-240V (50/60Hz);
- Total output current: 9A Max.



KNX 1CH 1A Flush-mounted Dimming Actuator (EU)

M/FME1D.1

A smart dimming executive module installed in the wall box of the European standard panel, can be worked with the corresponding dry contact panel.

- With one 1A dimming control channel;
- With 4 dry contact switch signal input channels;
- 4 LED switch signal output channels;
- With programming button and programming indicator;
- Working current: 48mA/24V DC;
- Auxiliary current: 25mA/24V DC;
- LED output: 12mA/CH.



KNX 4CH 7A RGBW Driver

M/DRGBW4.1

It has 4 RGBW driving channels, each channel has the output capacity of 7A. The four channels can be controlled separately or using RGBW combination control.

- PWM linear dimming;
- Dimming lower / upper limit setting;
- Dimming fade time setting;
- PWM constant voltage output;
- LED type: common anode RGBW LED strip or single LED;
- Working current: 10mA/30V DC;
- Input power (for LED): 12~40V DC.



KNX VRV/VRF Indoor Unit Gateway

MHVACSGW-KT.13

Designed for connecting multi-split air conditioning systems to KNX for intelligent control, it is compatible with major VRV/VRF brands including Daikin, Hitachi, Toshiba, Mitsubishi Electric, Hisense, Haier, Panasonic, York, Mitsubishi Heavy Industries, Midea, LG, AUX, Bosch, Gree, TICA, Samsung, Chigo, Trane, Carrier, McQuay, and more.

- Supports independent connection or panel co-existence;
- Supports master/slave configuration and firmware upgrade via Bluetooth;
- Power supply: 30V DC



DMX512 Gateway

M/DMX512.1

The gateway supports two-way control, and can record, play and delete DMX programs, can be widely used to control devices with built-in DMX protocol port for LED color control.

- 3 working modes: DMX recorder mode, DMX dimming mode (EIB to DMX) and DMX to EIB conversion mode (1bit, 1byte data point);
- Supported communication signal: DMX512-1990, ArtNet DMX, HDL NET DMX;
- Store and playback up to 24 programs, with up to 4 hours recording time;
- Working current: 5mA/30V DC;
- Auxiliary power supply: 40mA/24V DC.



KNX VRV/VRF Outdoor Unit Gateway

MHVACMGW-KT.13

It enables integration of multi-split air conditioners into smart home or BMS platforms for intelligent monitoring and centralized control, and is compatible with major VRV/VRF brands including Daikin, Hitachi, Toshiba, Mitsubishi Electric, Hisense, Haier, Panasonic, York, Mitsubishi Heavy Industries, Midea, LG, AUX, Bosch, Gree, TICA, Samsung, Chigo, Trane, Carrier, and more.

- Integrates third-party RS485 devices such as fresh air and floor heating;
- Equipped with an LCD screen for real-time status display;
- Power supply: 30V DC, optional 12V DC.



KNX Infrared Emitter

M/IRAC.1

The module can store up to 960 infrared codes. Used for general control, for example TV, DVD and other infrared receiving devices, and for controlling AC of any brand.

- Various control modes: Single emitting control, Repeat emitting control, Sequence emitting control;
- Support current detection with current up to 2A;
- Working current: 10mA/30V DC;
- Transmitting carrier wave frequency: 38kHz±20%;
- Emission distance: 7m;
- Current detection: <2A.



KNX HVAC Module

M/FCU01.10.1

It supports control of heating, cooling, high/medium/low fan speed. 7 independent floor heating control channels can be set.

- Up to 7 digital temperature sensors supported;
- 2.5m Digital Temperature Sensor (TS/C 1.0);
- 5 relay output channels;
- 2 DC0-10V output channels (10mA/CH);
- Detecting temperature range: -30℃~+100℃;
- Working current: 20mA/30V DC
- Input voltage: 120V/240V AC(50/60Hz);
- Mechanica and Electronic life time: >100000.



IR Learner

HDL-MIR01L.01

Learn various key commands (for example, AC, TV, DVD, satellite receiver, audio & video device, etc.).

- 2.0 USB Interface, driver free and easy to use;
- Range of carrier wave frequency: 38kHz±20%.



KNX FCHC Actuator

M/FCHC.4.1

Used for controlling air conditioner, fan, compressor and floor heating.

- Up to 6 digital temperature sensors can be connected;
- 2.5m Digital Temperature Sensor (TS/C 1.0);
- Working current: 20mA/30V DC;
- Input voltage: AC100-240V (50/60Hz);
- Output current: 8A (AC), 5A (DC).



4CH 10A Curtain Actuator

M/W04.10.1

This series of product have the characteristics of high power (10A), low consumption and high reliability.

- Each channel can control the upward, downward and stop operation of the curtain;
- Working current: 12mA/30V DC;
- Input voltage: 120V/240V AC, 50/60Hz;
- Electrical life time: >100000;
- Mechanical life time: >100000.



KNX Blinds Motor 220V AC

M/AG40B.1

It is used to control the roller blind travel up/down, travel up/down to a specified percentage position.

- Automatic travel measurement and supports limit point presetting;
- Enable short drag to start the motor ;
- Overheat protection and Power-down save function;
- Working voltage: 21~30V DC;
- Working current: 6mA / 30V DC;
- Rated input current: 0.9A;
- Motor rotate speed: 22rpm.



Curtain Motor

MWC1-KT.10

Open / close / stop / open or close at specific percentage, and support "Touch Start" by default.

- Auto pause and modification while detecting obstacles;
- Automatically complete the preset travel;
- Compatible with bi-channel or multi-channel remote controllers;
- Motor input voltage: 100 - 240V AC, 50/60Hz;
- Motor rated consumption: 22W;
- Motor rotate speed: 90rpm;
- Motor sound level:<30dB at silent mode



Curtain Remote Controller

YR2188

Curtain Remote Controller, voltage: 3.3V
Can control 2 channels.

SENSORS



Airkit2 Pro Air Quality Sensor

MSQP-BMDH-KT.17

It can detect and display indoor air quality, including air quality indicators such as environmental temperature and humidity, light intensity, PM2.5, PM1.0, PM10, carbon dioxide and formaldehyde. By displaying numerical values on the screen, remote real-time viewing and linkage with other devices can be achieved to improve the air environment, playing an important role in device control, scene management and execution, and big data analysis.

- Built-in temperature, humidity, illuminance and microwave distance detection;
- Built-in PM1.0, PM2.5, PM10, carbon dioxide and formaldehyde and TVOC detection;
- Rated Current: 10mA/30V DC;
- Temperature Detection Range: -10.0~55.0°C;
- Formaldehyde Detection Range: 0~1.00 mg/m³;
- Carbon Dioxide Detection Range: 400~5000 ppm.



KNX Occupancy Plus Sensor

MSMW24-KT.11

It is a KNX protocol human presence detection sensor that can accurately detect the human presence status in scenes such as movement and static breathing.

- Human presence detection with 24GHz millimeter wave radar technology;
- Supporting illuminance and temperature monitoring;
- 2 dry contact inputs for logical judgment;
- Supporting easy lighting and HVAC control;
- Rated voltage: 30V DC;
- Rated current: 50mA/30V DC;
- Input voltage: 21 - 30V DC.



KNX Presence Sensor

M/SIS05.1

It contains PIR sensor, temperature sensor and brightness sensor.

- 5 logical blocks and each block contains 10 object outputs;
- 1 sensor status feedback function block;
- 2 lighting control function blocks;
- 1 constant brightness automatic adjustment function block;
- 2 HVAC control blocks;
- Single mode and master / slave mode are supported;
- Working current: 7mA/30V DC.



KNX Ceiling Mount Indoor Microwave Sensor

M/WS05.1-D

The logic inputs include microwave sensor status, brightness value, temperature, dry contact input and external telegrams.

- With 2CH constant brightness control;
- 5 logic blocks and each block contains 10 object outputs;
- Single mode and master / slave mode are supported;
- 2CH dry contact can be set as dry contact and LED status display;
- Working current: 17mA/30V DC;
- Temperature detection range: -30°C~70°C;
- Brightness detection range: 0~15000LUX;
- Microwave sensing range: Φ16m.



KNX Ceiling Mount OmniSense Sensor

M/HSD24.1

It can detect movement at a distance of up to 24 meters, 6 detection areas in total can be selected.

- With 2CH lighting control;
- With 2CH constant brightness control;
- 5 logic blocks and each block can control 10 object outputs;
- Single mode and master / slave mode are supported;
- 2CH dry contact can be set as dry contact and LED status display;
- Working current: 10mA/30V DC;
- PIR detection range: Φ 30m.



KNX Mini PIR & Lux Sensor

M/IS05.1

Contain PIR sensor, temperature sensor, Lux sensor and external telegram.

- With 2CH lighting control;
- With 2CH constant brightness control;
- 5 logic blocks and each block can control 10 object outputs;
- Single mode and master / slave mode are supported;
- Working current: 5mA/30V DC;
- PIR detection range: Φ 8m.



KNX Ceiling Mount PIR & Lux Sensor

M/HS05.1

It contains PIR sensor, temperature sensor, Lux sensor, dry contact and external telegram.

- With 2CH lighting control;
- With 2CH constant brightness control;
- 5 logic blocks and each block can control 10 object outputs;
- Single mode and master / slave mode are supported;
- 2CH dry contact can be set as dry contact and LED status display;
- Working current: 5mA/30V DC;
- PIR detection range: Φ 8m.



KNX Ceiling Mount Outdoor Microwave Sensor

M/WS05.1-A

Include LUX sensor, microwave sensor, humidity sensor, temperature sensor, dry contact and external telegram.

- 2CH constant brightness control function;
- 5 logic blocks and each block contains 10 target outputs;
- Single mode and master / slave mode are supported;
- 2 dry contact input interfaces can work as dry contact or LED indicators;
- Working current: 20mA/30V DC;
- Microwave sensing range: Φ 28m (Installation height: 3m).

INFRASTRUCTURE DEVICES / ACCESSORIES





KNX net/IP Router M/IPRT.1

It enables data exchange between KNX net/IP line and TP1 bus, and data download and data monitoring are available via ETS software.

- Up to 4 channels for data debugging and monitoring;
- 6 dual-color LED lights indicate all communication status;
- Working voltage: 21~30V DC;
- Working current: 5mA/30V DC;
- Power consumption: typ. 520mW, max. 800mW.



KNX USB Interface M/USB.1

It is a KNX system device with a USB interface that establishes bidirectional data transfer between the computer and the KNX Bus.

- Support KNX address management, application parameter management, and KNX Bus device diagnostics;
- Support telegrams with maximum 228 bytes length;
- Working voltage: 21~30V DC;
- Working current: 10mA/30V DC.



KNX Line Coupler M/LCR.1

It is used as a line coupler or repeater (for address extension).

- The coupler is connected to KNX zone/line to enable zone/line isolation;
- 6 LEDs display data transmission status;
- 1 LED for programming status display;
- Working voltage: 21~30V DC;
- Communication: KNX/EIB;
- Main line current: < 30mA;
- Sub line current: 3mA.



KNX Master/Slave Timer Controller M/TM04.1

It is capable of running standard time as the master clock or slave clock.

- With 4 independent channels and real-time clock;
- Scene recall function;
- Working modes: Master /slave mode;
- Working voltage: 21~30V DC;
- Working current: 10mA/30V DC.



KNX Dual Power Supply Module MEP640-KT.13

It is a high-performance, dual-output power supply module, featuring two independent 640mA output channels.

- Provides KNX bus voltage and 24V DC auxiliary power;
- Supports manual reset function via button;
- Built-in overload, short-circuit, overvoltage, and over-temperature protection;
- Input voltage: 100~240V AC, 50/60Hz.



KNX 960mA Power Supply Module M/P960.1

It can provide up to 960mA current to KNX/EIB bus.

- Overload protection and over current protection;
- Output short circuit protection;
- Input voltage: AC100~240V(50/60Hz);
- Output voltage: 30V DC.



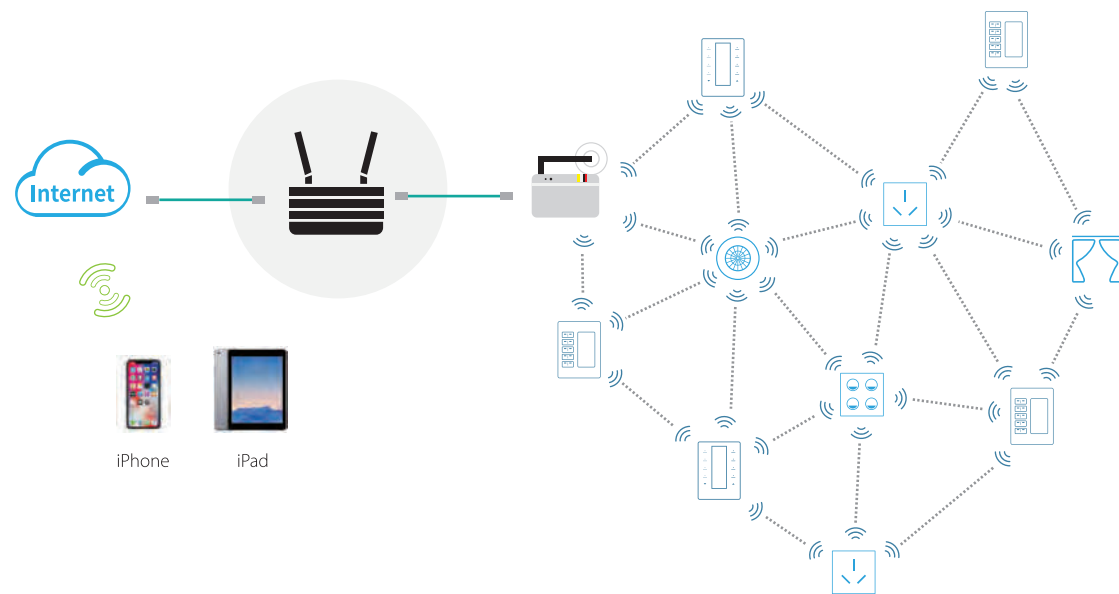
KNX Cable

- 4 core shield cable: red, black, white, yellow;
- Strong signal transmission capability;
- Strong anti-jamming capability;
- Twisted Pair: 2 twisted pair (red and black, white and yellow);
- Insulation resistance(70 ℃): >5X106ohm/km;
- Conductor resistance(20 ℃): <35 ohm/km;
- Cable withstand voltage: AC 300V;
- Impedance: 120 ohm;
- Twisted No.: 40/m.

A simple wireless smart automation system

Same as HDL Buspro, Buspro Wireless can connect with conventional devices, but no system communication wiring is required. You can simply install the system by replacing the original non-smart switches with HDL smart panels. Therefore, it can be used in new buildings and especially suitable for renovation projects of existing buildings.

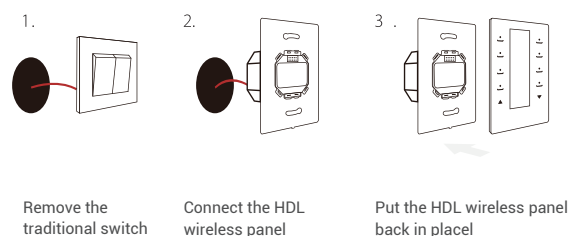
Buspro Wireless harnesses the power of mesh topology to connect every device. Every device in the system can both receive and forward signals. Devices have multiple signal input sources, so if one of the signal inputs fails, they can still receive signals from another device. In this way, users don't have to worry about signal problems.



Advantages

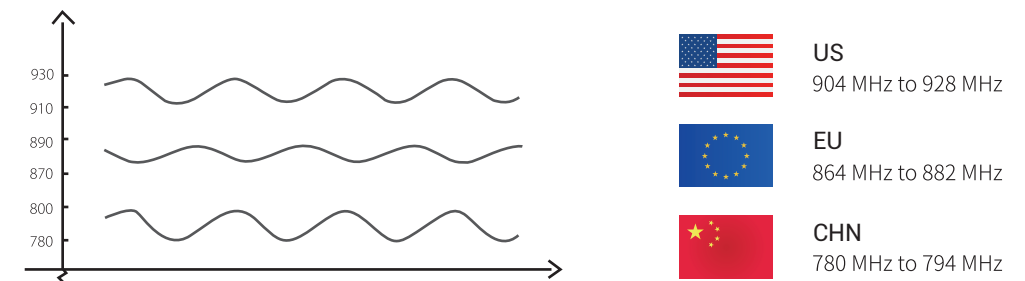
Easy-to-install:

Buspro Wireless is a distributed smart system developed by HDL. To install Buspro Wireless, you just simply replace the original non-smart keypad with the one from HDL. As no wiring is required, it is suitable for both new buildings as well as existing ones.



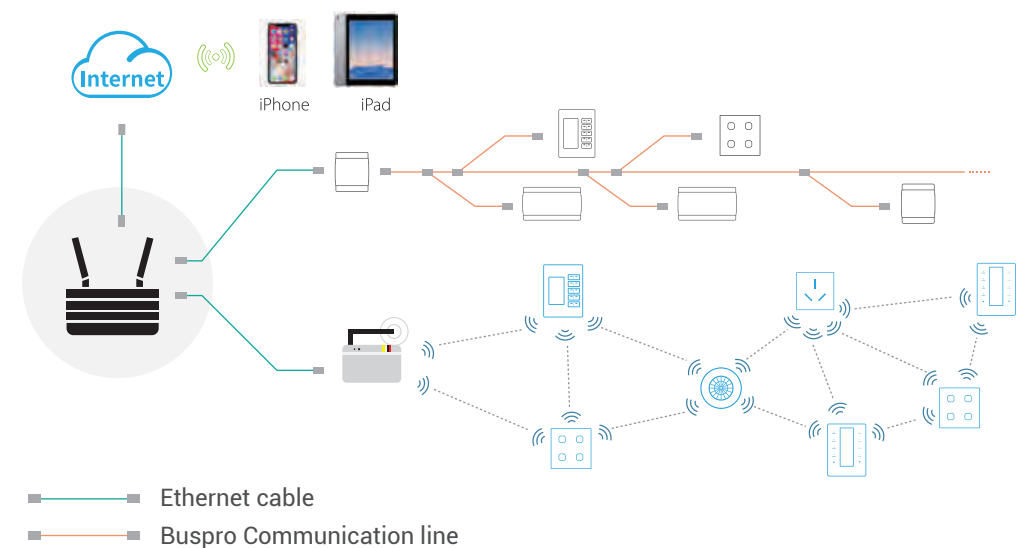
Stable and Dependable

It runs on sub-giga Hertz frequency. That means it doesn't have to jam with mobile phones, laptops and other wireless devices running on the 2.4GHz bandwidth. It adopts the robust mesh topology. That is every device in the system can receive and transmit signals. A reliable path is always available for communication.

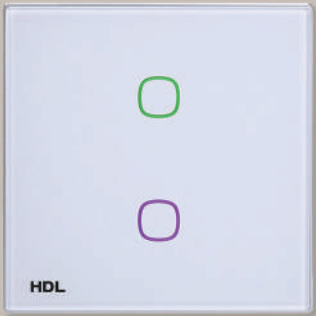


Seamless Wired and Wireless Linkage

It can work with the wired Buspro system in the same project. The feature allows us to fully use the advantages of wired and wireless system, and makes the system more applicable.



CONTROL PANELS / PANEL POWER INTERFACES



iTouch

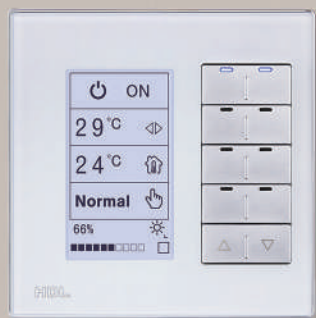
A series of multi-functional touch control panels for home automation both in EU and US standard. The US standard has 2, 4 and 6 buttons while EU standard has only 2 and 4 buttons. iTouch is enclosed by a fine aluminum frame, and always used to control lighting, curtain, AC, scene, music, etc.

Working voltage: 5V DC
Working current: 45mA/5V DC

Color: ● Black ○ White

Features and Specifications

- Touch button with RGB backlight
- Adjustable RGB indicator color and brightness
- Customizable button icons;
- Support online upgrade.



DLP



DLP is a series of smart control panels with physical buttons and mono-color LCD display for home automation both in EU and US standard. With 8 control buttons and 2 page buttons, the panel has 4 general pages for lighting, curtains, etc. and dedicated pages for AC, floor heating and background music.

Working voltage: 5V DC;
Working current: 55mA/5V DC.

Color: ● Black ○ White

Features and Specifications

- Built-in temperature sensor;
- Icon for Key Buttons can be changed;
- Support 147 languages;
- Customizable icons or captions;
- Support online upgrade.

Power Interface



Wireless Power Interface EU (L+N Type)

HDL-MPWPID00LN.18-A

Used in conjunction with the wireless panel and provides working voltage for wireless panel.

- Input voltage: AC100-240V (50/60Hz);
- Maximum output current: 100mA / 5V DC
Fuse: 2A, aR type;
- Overheat protection for power interface chip.



Wireless Power Interface US (L+N Type)

HDL-MPWPID00LN.16-A

Used in conjunction with the wireless panel and provides working voltage for wireless panel.

- Input voltage: AC100-240V (50/60Hz);
- Maximum output current: 100mA / 5V DC
Fuse: 2A, aR type;
- Overheat protection for power interface chip.



3CH Wireless Dimming Power Interface EU (L+N Type)

HDL-MPWPID03LN.18-A

Used in conjunction with the wireless panel and provides working voltage for wireless panel. The power interface supports dimming and switch control.

- Provide DC 5V working voltage for wireless panels;
- 1st channel is for MOSFET dimming, 2nd and 3rd channel are for TRIAC dimming/switch;
- Short circuit protection and overheat protection;
Input voltage: AC100-240V (50/60Hz);
- Fuse: 6A, aR type.



3CH Wireless Dimming Power Interface US (L+N Type)

HDL-MPWPID03LN.16-A

Used in conjunction with the wireless panel and provides working voltage for wireless panel. The power interface supports dimming and switch control.

- Provide DC 5V working voltage for wireless panels;
- 1st channel is for MOSFET dimming, 2nd and 3rd channel are for TRIAC dimming/switch;
- Short circuit protection and overheat protection;
- Input voltage: AC100-240V (50/60Hz);
- Fuse: 6A, aR type.



3CH Wireless Switch Power Interface EU (L+N Type)

HDL-MPWPIR03.18-A

Used in conjunction with the wireless panel and provides working voltage for wireless panel. The power interface supports 3CH relay output.

- Input voltage: AC100-240V (50/60Hz);
- Output current: 3A/CH (resistive load); 2A/CH (capacitive load);
- Mechanical and Electronic life time of relay: 1×105 times;
- Fuse: 10A, aR type;
- Power protection for power interface chip.



1CH Wireless Switch Power Interface EU with Temp. Sensor (L+N Type)

HDL-MPWPIR01T.18-A

Used in conjunction with the wireless panel and provides working voltage for wireless panel.

- Temperature measurement;
- Overheat protection for power interface chip;
- Input voltage: AC100-240V (50/60Hz);
- Output current: 16A;
- Mechanical and Electronic life time of relay: 1×105 times;
- Fuse: 2A, aR type.



3CH Wireless Switch Power Interface US (L+N Type)

HDL-MPWPIR03.16-A

Used in conjunction with the wireless panel and provides working voltage for wireless panel. The power interface supports 3CH relay output.

- Input voltage: AC100-240V (50/60Hz);
- Output current: 3A/CH (resistive load); 2A/CH (capacitive load);
- Mechanical and Electronic life time of relay: 1×105 times;
- Fuse: 10A, aR type;
- Power protection for power interface chip.



1CH Wireless Switch Power Interface US with Temp. Sensor (L+N Type)

HDL-MPWPIR01T.16-A

Used in conjunction with the wireless panel and provides working voltage for wireless panel.

- Temperature measurement;
- Overheat protection for power interface chip;
- Input voltage: AC100-240V (50/60Hz);
- Output current: 16A;
- Mechanical and Electronic life time of relay: 1×105 times;
- Fuse: 2A, aR type.

GATEWAYS



Wireless Mesh Gateway

HDL-MCIP-RF02.10

A gateway based on MESH technology including three communication interfaces: RJ45, HDL Buspro, RF. It has three communication interfaces: RS485, Ethernet or RF.

- Mesh mode supported;
- Bridge (transparent transmission) mode supported;
- Encrypted wireless data transmission;
- Internal 433M wireless module, supports HDL remote control;
- Working voltage: 12~30V DC;
- Indoor communication distance: ≤50m (barrier free);
- Wireless transmitted power: +10 dbm.



Buspro/Wireless Gateway

HDL-MBUS/GW-RF.40

Translate Buspro (wired) into Buspro Wireless.

- Support IEEE.802.15.4;
- Online update supported for both HDL-MBUS/GW-RF.40 and the device connected;
- Support easy programming;
- Power consumption: 1.15W;
- Output: 100mA/24V DC;
- Indoor communication distance: ≤ 30m;
- Wireless transmitted power: +10 dbm.

CONTROLLERS / ACTUATORS



1CH Wireless Dimming Actuator

HDL-MPD01-RF.28

Contain 1-channel MOSFET dimming control and 4-channel dry contact. Working with wireless gateway, the actuator can be used for controlling different targets.

- 1CH MOSFET dimming output with output current less than 1A;
- Available with 4 default dimming curves.
- Users can also customize the dimming curves;
- 4CH dry contact can be used for dimming and switching;
- Input voltage: AC100-240V(50/60Hz);
- Maximum output current: 1A;
- Power consumption: 1W max.



4CH Wireless 0~10V Dimming Actuator

HDL-MPDA04-RF.28

With connection to electronic ballasts and working with wireless gateway, the actuator can be used for LED dimming.

- Available with 4 default dimming curves. Users can also customize the dimming curves;
- Support 4CH dry contact inputs and 4CH 0-10VDC dimming outputs;
- Input voltage: AC100-240V(50/60Hz);
- Current of each 0-10VDC output channel: 0-30mA;
- Power consumption: 2.7W max.



1CH Wireless Switching Actuator

HDL-MPR01-RF.28

Contain 1-channel relay output and 4-channel dry contact.

- Support such functions as switch-on delay, switch-off delay and protection delay;
- 4CH dry contact can be used for dimming and switching;
- Input voltage: AC100-240V(50/60Hz);
- Output current: 10A(Resistive load); 5A (Capacitive load);
- Power consumption: 1.7W max.



2CH Wireless Switching Actuator

HDL-MPR02-RF.28

Contain 2-channel relay output and 4-channel dry contact.

- Support such functions as switch-on delay, switch-off delay and protection delay;
- 4CH dry contact can be used for controlling targets like dimming;
- Input voltage: AC100-240V(50/60Hz);
- Output current: 5A(Resistive load); 2.5A (Capacitive load);
- Power consumption: 1.45W max.



Wireless IR Emitter

HDL-MIR01R-RF.10

Enable IR control of devices such as air conditioners, TVs, fans, etc.

- Directly drive LED emission tube;
- 3 IR emission channels;
- Support 10 devices and 100 infrared learning codes;
- Support a variety of remote control types;
- Built-in clock for timing, supports 16 alarm reminder control;
- Temperature detection and broadcast;
- Working voltage 5V DC (From USB);
- Working current 20mA / 5V DC.



1CH Wireless Curtain Actuator

HDL-MPC01-RF.28

Contain 1-channel curtain control and 4-channel dry contact.

- Open/close and stop/step control;
- 4CH dry contact can be used for dimming and switching;
- Input voltage: AC100-240V(50/60Hz);
- Output channel: 5A;
- Power consumption: 1.45W max.

SENSORS



Wireless Ceiling Mount Ultrasonic & PIR Sensor

HDL-MSPU05-RF.1C

8 logic conditions including PIR sensor, luminance sensor, ultrasonic sensor, manual button, ultrasonic, universal switch, etc.

- Support 1 channel 5A relay output;
- 24 logic blocks, each of which can be set to 20 target;
- Security protection (security module required);
- Working current: 5mA/220V DC;
- Brightness detection range: 0~300LUX;
- PIR detection range in diameter: 7m;
- Ultrasonic detection range in diameter: 3m.



Wireless PIR & Lux Sensor

HDL-MSPU03-BRF.10

Built-in infrared motion sensor, illuminance sensor, temperature sensor.

- Brightness detection and temperature detection;
- Battery level detection;
- Timing broadcast function;
- Adjustable sensing area;
- Working voltage: 3V 1400mAh;
- Working current: 21mA;
- Standby current: 24μA;
- PIR detection range in diameter: 7m.

HDL Lighting Products



HDL DALI Drivers



DALI-2 Certification Standards,
Perfect for Your Needs



DALI Signal Amplifier

MZLR.10

It's a DALI signal amplifier with integrated bus power supply that increases the maximum line length from 300 to 600 metres.

- DALI repeater with integrated DALI power supply
- Either radially arranged network layout or cascaded system mounting operated with single master
- Enhancement and Transmission of the DALI-signals (bidirectional)



75W DALI Constant Voltage Driver (DT6 Dimming)

MQLET6-1C24-75.10

It's a DT6 dimming, constant voltage output 24V, maximum output power 75W DALI-2 drive.

- 1-channel output, maximum output current is 3.12A
- Can control the LED strip light switching, dimming
- Conforms to DALI-2 certification standards, DALI DT6 devices
- Built-in protections against short circuits, overload, and overheating



150W DALI Constant Voltage Driver(DT6 Dimming)

MQLET6-1C24-150.10

It's a DT6 dimming, constant voltage output 24V, maximum output power 150W DALI-2 drive.

- 1-channel output, maximum output current is 6.25A
- Can control the LED strip light switching, dimming
- Conforms to DALI-2 certification standards, DALI DT6 devices
- Built-in protections against short circuits, overload, and overheating



75W DALI Constant Voltage Driver (DT8 CCT)

MQLET8-2C24-75.10

It is a DT8 color temperature, constant voltage output 24V, maximum output power 75W DALI-2 drive.

- 2-channel output, maximum output current is 3.125A
- Can control the LED strip light switching, dimming and adjusting color temperature
- Conforms to DALI-2 certification standards, DALI DT8 devices
- Built-in protections against short circuits, overload, and overheating



75W DALI Constant Voltage Driver (DT8 Color)

MQLET8-4C24-75.10

It is a DT8 color, constant voltage output 24V, maximum output power 75W DALI-2 drive.

- 4-channel output, maximum output current is 3.125A
- Can control the LED strip light switching, dimming and adjusting color
- Conforms to DALI-2 certification standards, DALI DT8 devices
- Built-in protections against short circuits, overload, and overheating



150W DALI Constant Voltage Driver (DT8 CCT)

MQLET8-2C24-150.10

It is a DT8 color temperature, constant voltage output 24V, maximum output power 150W DALI-2 drive.

- 2-channel output, maximum output current is 6.25A
- Can control the LED strip light switching, dimming and adjusting color temperature
- Conforms to DALI-2 certification standards, DALI DT8 devices
- Built-in protections against short circuits, overload, and overheating



150W DALI Constant Voltage Driver (DT8 Color)

MQLET8-4C24-150.10

It is a DT8 color, constant voltage output 24V, maximum output power 150W DALI-2 drive.

- 4-channel output, maximum output current is 6.25A
- Can control the LED strip light switching, dimming and adjusting color
- Conforms to DALI-2 certification standards, DALI DT8 devices
- Built-in protections against short circuits, overload, and overheating



12W DALI Constant Current Driver (DT6 Dimming)

MLQRT6-12.10

It is a DT6 dimming, voltage 6-42V, current 100-700mA, maximum output power 12W DALI-2 drive.

- 1-channel output for switching and dimming of LED luminaires
- Conforms to DALI-2 certification standards, DALI DT6 devices
- Smooth dimming down to 0.01% with flicker-free performance
- Current selection via NFC configuration tool (100-700mA)
- Current settings down to 0.1mA, current accuracy down to 1% (full load)
- DALI address/group/scene can be set via NFC configuration tool
- Built-in protections against short circuits, overload, and overheating



25W DALI Constant Current Driver (DT6 Dimming)

MLQRT6-25.10

It is a DT6 dimming, voltage 6-58V, current 250-700mA, maximum output power 25W DALI-2 drive.

- 1-channel output for switching and dimming of LED luminaires
- Conforms to DALI-2 certification standards, DALI DT6 devices
- Smooth dimming down to 0.01% with flicker-free performance
- Current selection via NFC configuration tool (250-700mA)
- Current settings down to 0.1mA , current accuracy down to 1% (full load)
- DALI address/group/scene can be set via NFC configuration tool
- Built-in protections against short circuits, overload, and overheating



36W DALI Constant Current Driver (DT6 Dimming)

MLQRT6-36.10

It is a DT6 dimming, voltage 6-54V, current 350-1050mA, maximum output power 36W DALI-2 drive.

- 1-channel output for switching and dimming of LED luminaires
- Conforms to DALI-2 certification standards, DALI DT6 devices
- Smooth dimming down to 0.01% with flicker-free performance
- Current selection via NFC configuration tool ((350-1050mA)
- Current settings down to 0.1mA , current accuracy down to 1% (full load)
- DALI address/group/scene can be set via NFC configuration tool
- Built-in protections against short circuits, overload, and overheating



12W DALI Constant Current Driver (DT8 CCT)

MLQRT8-12.10

It is a DT8 color temperature, voltage 6-42V, current 100-700mA, maximum output power 12W DALI-2 drive.

- 2-channel output for switching , dimming and adjusting color temperature of LED luminaires
- Conforms to DALI-2 certification standards, DALI DT8 devices
- Smooth dimming down to 0.01% with flicker-free performance
- Current selection via NFC configuration tool (100-700mA)
- Current settings down to 0.1mA, current accuracy down to 1% (full load)
- DALI address/group/scene can be set via NFC configuration tool
- Built-in protections against short circuits, overload, and overheating



25W DALI Constant Current Driver (DT8 CCT)

MLQRT8-25.10

It is a DT8 color temperature, voltage 6-58V, current 250-700mA, maximum output power 25W DALI-2 drive.

- 2-channel output for switching , dimming and adjusting color temperature of LED luminaires
- Conforms to DALI-2 certification standards, DALI DT8 devices
- Smooth dimming down to 0.01% with flicker-free performance
- Current selection via NFC configuration tool (250-700mA)
- Current settings down to 0.1mA, current accuracy down to 1% (full load)
- DALI address/group/scene can be set via NFC configuration tool
- Built-in protections against short circuits, overload, and overheating



36W DALI Constant Current Driver (DT8 CCT)

MLQRT8-36.10

It is a DT8 color temperature, voltage 6-54V, current 350-1050mA, maximum output power 36W DALI-2 drive.

- 2-channel output for switching , dimming and adjusting color temperature of LED luminaires
- Conforms to DALI-2 certification standards, DALI DT8 devices
- Smooth dimming down to 0.01% with flicker-free performance
- Current selection via NFC configuration tool (350-1050mA)
- Current settings down to 0.1mA, current accuracy down to 1% (full load)
- DALI address/group/scene can be set via NFC configuration tool
- Built-in protections against short circuits, overload, and overheating

HDL LIGHTING RADIANCE SERIES



Bright Series | Glow Series | Shine Series | Glitter Series

150+
Lighting Products

Spotlight & Downlight

A luminous arc in the shape of a hill.



Glare-free Reflector

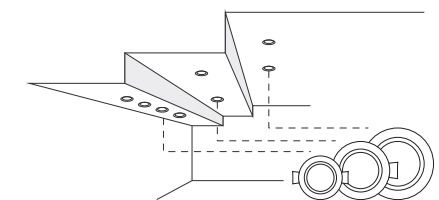


Modular design for easy installation



Fog-resistant more suitable for

kitchen and bathroom



Φ55mm、Φ75mm、Φ95mm



● Black ● White ● Silver



HD-TH3055

Power: Max 7W
 Adjustable CCT: 2800K-6000K
 CCT: 2700K/3000K/3500K/4000K/5000K
 Beam Angle: 15°/24°/36°/50°
 CRI: ≥90
 Input Voltage: AC220-240V
 Beam Angle: 15°/24°/36°
 Cut Size: Φ55mm



HD-TH3075

Power: Max 12W
 Adjustable CCT: 2800K-6000K
 CCT: 2700K/3000K/3500K/4000K/5000K
 CRI: ≥90
 Input Voltage: AC220-240V
 Beam Angle: 15°/24°/36°/50°
 Cut Size: Φ75mm



HD-TH3095

Power: Max 25W
 Adjustable CCT: 2800K-6000K
 CCT: 2700K/3000K/3500K/4000K/5000K
 CRI: ≥90
 Input Voltage: AC220-240V
 Beam Angle: 15°/24°/36°/50°
 Cut Size: Φ95mm



HD-TH3075-S

Power: Max 9W
 Adjustable CCT: 2800K-6000K
 CCT: 2700K/3000K/3500K/4000K/5000K
 CRI: ≥90
 Input Voltage: AC220-240V
 Beam Angle: 15°/24°/36°/50°
 Cut Size: Φ75mm



HD-TH3075-L

Power: Max 15W
 Adjustable CCT: 2800K-6000K
 CCT: 2700K/3000K/3500K/4000K/5000K
 CRI: ≥90
 Input Voltage: AC220-240V
 Beam Angle: 15°/24°/36°/50°
 Cut Size: Φ75mm



HD-TH30125

Power: Max 35W
 Adjustable CCT: 2800K-6000K
 CCT: 2700K/3000K/3500K/4000K/5000K
 CRI: ≥90
 Input Voltage: AC220-240V
 Beam Angle: 15°/24°/36°/50°
 Cut Size: Φ125mm

Spotlight

● Black ● White ● Silver



HD-YM3055

Power: Max 7W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°/50°
Cut Size: Φ55mm



HD-YM3075

Power: Max 12W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°/50°
Cut Size: Φ75mm



HD-YM3095

Power: Max 25W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°/50°
Cut Size: Φ95mm



HD-YM3075-S

Power: Max 9W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°/50°
Cut Size: Φ75mm



HD-YM3075-L

Power: Max 15W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°/50°
Cut Size: Φ75mm

Downlight



HD-TH4075

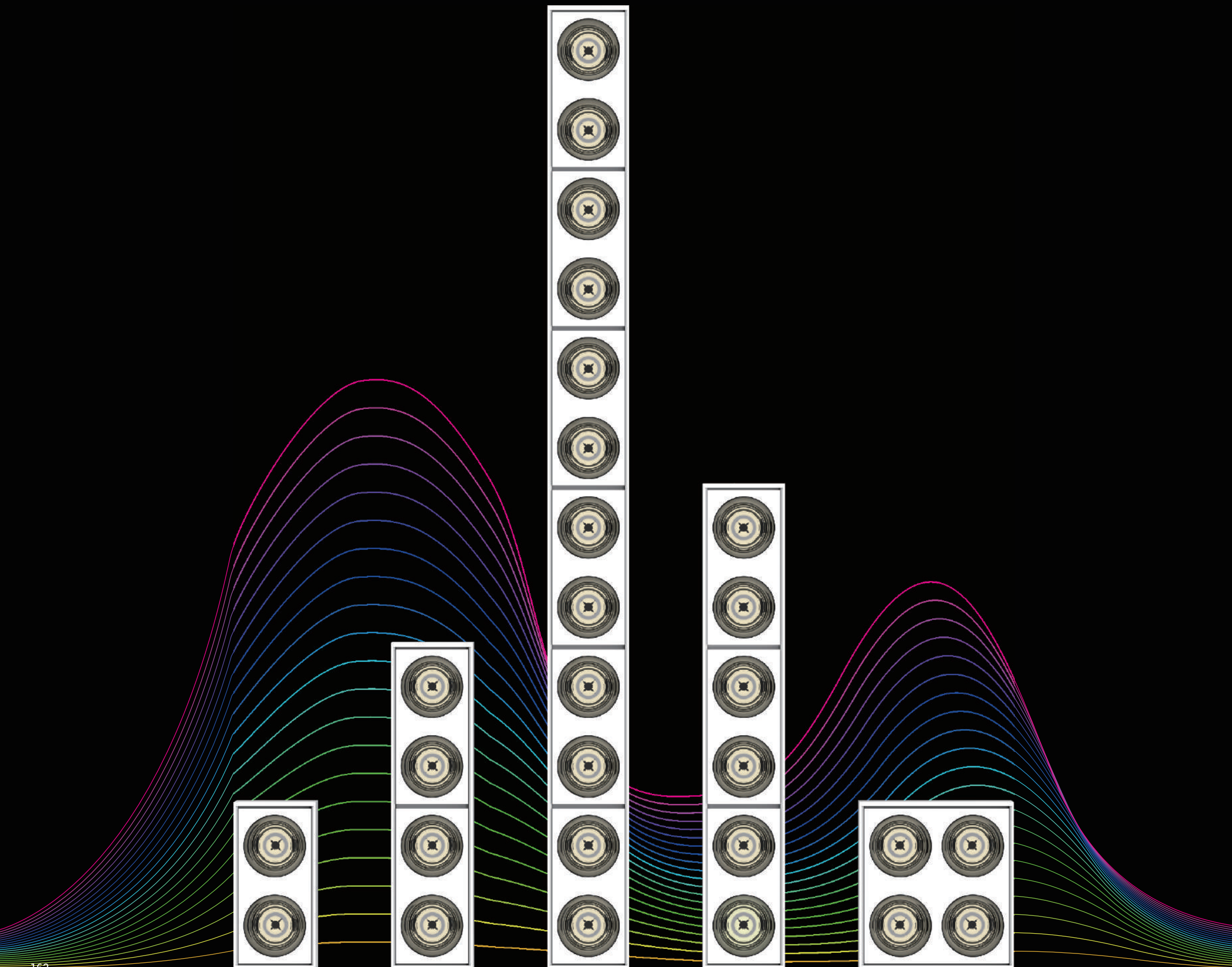
Power: Max 7W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 36°/60°
Cut Size: Φ75mm



HD-TH4095

Power: Max 15W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 36°/60°
Cut Size: Φ95mm





Grid Light

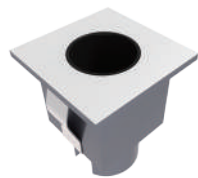
Less is more



 Triple glare-free effect

 URG < 15

 Multiple installation methods



HD-TH5001F

Power: 2W
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LM: 120LM
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°
Cut Size: 26×26mm



HD-TH5002F

Power: 4W
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LM: 240LM
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°
Cut Size: 51×26mm



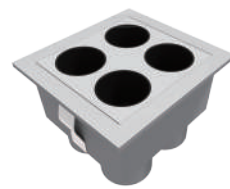
HD-TH6064F

Power: 8W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LM: 480LM
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 72×72mm



HD-TH5006

Power: 10W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LM: 600LM
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°
Cut Size: 139×26mm



HD-TH5064

Power: 8W
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LM: 480LM
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°
Cut Size: 51×46mm



HD-TH5012

Power: 20W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LM: 1200LM
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°
Cut Size: 270×26mm



HD-TH6002

Power: 4W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥ 90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 72×42mm



HD-TH6006

Power: 12W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥ 90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 204×42mm



HD-TH6018

Power: 36W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥ 90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 604×42mm



HD-TH6004

Power: 10W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥ 90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 138×42mm



HD-TH6012

Power: 24W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥ 90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 404×42mm



LIGHT SOURCE: **OSRAM** DRIVER: **PHILIPS HDL**





HD-LS6004

Power: 8W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 154×64mm



HD-MZ6002F

Power: 4W
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°



HD-LS6006

Power: 12W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 220×64mm



HD-MZ6004F

Power: 10W
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°



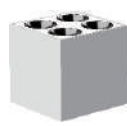
LIGHT SOURCE: OSRAM LUMINUS DRIVER: PHILIPS HDL





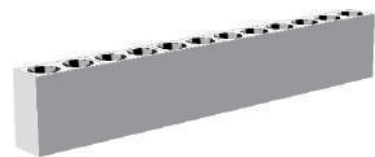
HD-MZ6006F

Power: 12W
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°



HD-MZ6064

Power: 8W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°



HD-MZ6012F

Power: 24W
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°



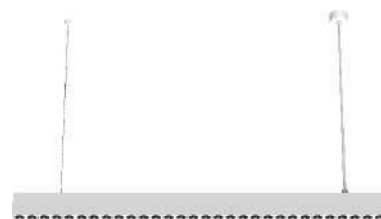
HD-DZ9006

Power: 18W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 25°/30°



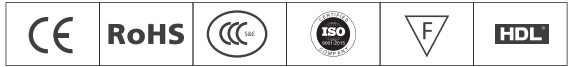
HD-DZ9010

Power: 30W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 25°/30°



HD-DZ9012

Power: 36W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 25°/30°



LIGHT SOURCE: OSRAM LUMINUS DRIVER: PHILIPS HDL

● Black ● White ● Silver



HD-YM5006

Power: 10W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LM: 600LM
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°
Cut Size: 145×32mm



HD-YM5012

Power: 20W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LM: 1200LM
Input Voltage: AC220-240V
Beam Angle: 15°/24°/36°
Cut Size: 275×32mm



HD-YM6006

Power: 12W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 208×45mm



HD-YM6012

Power: 24W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 408×45mm



HD-YM6002

Power: 4W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 75×40mm



HD-YM6004

Power: 10W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 142×45mm



HD-YM6018

Power: 36W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC220-240V
Beam Angle: 15°/25°/30°
Cut Size: 606×45mm

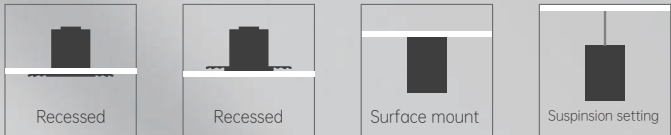


LIGHT SOURCE: OSRAM LUMINUS DRIVER: PHILIPS HDL

Magnetic Track Light

Brighten your life with the art of track lights.

- 48V 48V rated voltage
- Flexible movement
- Free combination
- Multiple installation methods



● Black ● White ● Silver



CX5001

Power: 6W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC48V
Beam Angle: 16°/24°/36°



CX5002

Power: 9W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC48V
Beam Angle: 16°/24°/36°



CX6002

Power: 12W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC48V
Beam Angle: 120°



CX6003

Power: 20W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC48V
Beam Angle: 120°



CX5003

Power: 12W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC48V
Beam Angle: 16°/24°/36°



CX6001

Power: 6W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC48V
Beam Angle: 120°



CX7001

Power: 10W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC48V
Beam Angle: 12°/34°/55°



CX7002

Power: 20W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: AC48V
Beam Angle: 12°/34°/55°

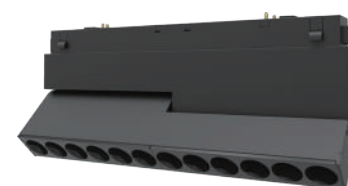


LIGHT SOURCE: OSRAM LUMINUS DRIVER: PHILIPS HDL



CX8001

Power: 6W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥ 90
Input Voltage: AC48V
Beam Angle: 16°/24°/36°



CX9001

Power: 10W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥ 90
Input Voltage: AC48V
Beam Angle: 12°/34°/55°



CX9002

Power: 10W
Adjustable CCT: 2800K-6000K
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥ 90
Input Voltage: AC48V
Beam Angle: 120°



Pre-buried Magnetic Track

CX-YM1000 1m
CX-YM2000 2m



Surface Mounted Magnetic Track

CX-MZ1000 1m
CX-MZ2000 2m



Suspended Magnetic Track

CX-DZ1000 1m
CX-DZ2000 2m



Corner Accessories

CX-P100 plane
CX-L100 facade
CX-P200 plane
CX-L200 facade



LIGHT SOURCE: OSRAM LUMINUS DRIVER: PHILIPS HDL



LED Strip Light

Flowing light, extending life.

—

👁 Without brightness difference in 10 meters

☀ Even lighting by high-brightness SMD2835

📏 Ultra-thin design

📦 Imported 3M adhesive tape is

not easy to come off





Single-color LED Strip Light **4.8W/m**

Item No: L2060
Rated Power: 4.8W/m
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LED: SMD2835
Pieces per meter: 120 pcs/m
Input Voltage: 24V DC
Beam Angle: 120°
Paste Way: The back is fixed with 3M double-sided tape



Single-color LED Strip Light **9.6W/m**

Item No: L2080
Rated Power: 9.6W/m
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LED: SMD2835
Pieces per meter: 120 pcs/m
Input Voltage: 24V DC
Beam Angle: 120°
Paste Way: The back is fixed with 3M double-sided tape



LIGHT SOURCE: OSRAM LUMINUS DRIVER: PHILIPS HDL

LED Strip Light

● Black ● White ● Silver



Single-color IP44 Waterproof LED Strip **9.6W/m**

Item No: LT3080
Rated Power: 9.6W/m
CCT: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
LED: SMD2835
Pieces per meter: 120 pcs/m
Input Voltage: 24V DC
Beam Angle: 120°
Paste Way: The back is fixed by buckles



Dual-color temperature LED Strip **12W/m**

Item No: LS2760
Rated Power: 12W/m
CCT: 2700K-6500K
CRI: ≥90
LED: SMD2835
Pieces per meter: 192 pcs/m
Input Voltage: 24V DC
Beam Angle: 120°
Paste Way: The back is fixed with 3M double-sided tape



RGB LED Strip **14.4W/m**

Item No: LC3144
Rated Power: 14.4W/m
RGB: 2700K-6000K
CRI: ≥90
Input Voltage: 24V DC
Beam Angle: 120°
Paste Way: The back is fixed with 3M double-sided tape



RGBW LED Strip **16.5W/m**

Item No: LC4165
Rated Power: 16.5W/m
RGB: 2700K/3000K/3500K/4000K/5000K
CRI: ≥90
Input Voltage: 24V DC
Beam Angle: 120°
Paste Way: The back is fixed with 3M double-sided tape



RGB LED Strip with color temperature adjustment **19.2W/m**

Item No: LSP565
Rated Power: 19.2W/m
CCT: 2700K-6000K
CRI: ≥90
LED: SMD5050
Input Voltage: 24V DC
Beam Angle: 120°
Paste Way: The back is fixed with 3M double-sided tape



Fingerprint Smart Door Lock

MODF-Lite3-LK.10

Fingerprint Smart Door Lock is an IoT smart door lock that supports multiple unlocking methods such as fingerprint, password, Bluetooth, NFC, and mechanical keys.

- Communication protocol: Buspro, Zigbee and KNX;
- Unlocking methods: Fingerprint / password / proximity card / mechanical key / mobile app authorized temporary password / dual authentication;
- Door handedness: Left / right hand;
- Fingerprint reader: Semiconductor;
- Fingerprint reader speed: < 1s.



Face Recognition Smart Door Lock With Security Camera Monitor

MODPF-30Pro-LK.10

Face Recognition Smart Door Lock With Security Camera Monitor is an IoT smart door lock that supports multiple unlocking methods such as facial recognition, fingerprint, password, NFC, and mechanical key.

- Communication protocol: Buspro, Zigbee and KNX;
- Unlocking methods: Face recognition / fingerprint / password / proximity card / mechanical key / temporary password / dual authentication / mobile app;
- Door handedness: Left / right hand / upwards;
- Facial recognition: Binocular facial recognition;
- Fingerprint reader type: Semiconductor;
- Fingerprint reader speed: < 1s.



IP Villa
Outdoor Station



IP Villa
Outdoor Station



Face Recognition
Outdoor Station



Digital Face Recognition
Outdoor Station



Apartment
Outdoor Station



Intercom Master Station



Android 10 inch
indoor monitor



Android 7 inch
indoor monitor



Android 7 inch
indoor monitor

Speaker



6.5" Ceiling
Speaker



8" Ceiling
Speaker



8" Wall
Speaker



2x8" Wall
Speaker

		
2MP IR Vari-focal Bullet WizSense Network Camera H-IPC-HFW3241TP-ZAS	2MP IR Vari-focal Dome WizSense Network Camera DH-IPC-HDBW3241RP-ZAS	2MP 4x Starlight PTZ Network Camera DH-SD22204UE-GN
		
4MP 4x PTZ Network Camera DH-SD22404T-GN	4 Channel Smart 1U 1HDD Network Video Recorder DHI-NVR4104-4KS2L	8 Channel 1U 2HDDs 8PoE Network Video Recorder DHI-NVR4208-8P-4KS2L
		
16 Channel Compact 1U 1HDD 8PoE Network Video Recorder DHI-NVR4116HS-8P-4KS2L	32 Channel 1U 2HDDs Network Video Recorder DHI-NVR4232-4KS2L	

				
Combustion Gas Detector	Combustion Gas Detector	Smoke and Heat Detector	Smoke Detector	Curtain PIR Detector
				
Pet Friendly TriTech PIRMicrowave Detector	PIR Detector	Glass Breaker Detector	Door Magnetic	
				
Door magnetic	Door magnetic	Window Magnetic	Water Leakage Detector	Smoke Detector