Smart Home | Smart Hotel | Smart Building | Solar Energy Management





INTELLIGENT CONTROL PANELS

Follow us HDL Automation

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E-mail sales@hdlautomation.com

Since 1985, Your Reliable Partner

HDL Automation Co.,Ltd.

There's always one more option.

As everything connected to the smart system can be controlled with a mobile phone, why do we bother installing control panels on the wall? If you are in the automation industry, please ignore this question. However, I think, end users would like to know. For the following reasons, control panels or wall panels are needed in an automated building.

A wall panel is a guarantee. Smart systems are super convenient that they allow you to control everything with a mobile phone. But we can't just put everything ONLY on a phone. A wall panel guarantees that you still have your building under control when you are not able to use your phone or the Internet connection. You are recommended to have wall panels installed for this sake.

Operating on a control panel is a handy way. As we don't always have our phones with us, a press on the control panel would be quite helpful. For example, when you walk out of the bathroom after shower and want to switch off the lights, you would just naturally use the wall panel standing next to you instead of your phone sitting somewhere else.

It shows respect to users of different preferences. It's true that sometimes controlling everything with phone is cool and convenient. But it doesn't mean that everybody likes this way, especially seniors. We shouldn't force others to option to a phone. Instead, we should respect their preference and offer one more option: install wall panels.

Control panels add credits to the aesthetics of your building. As most of the control panels are multifunctional and able to control all the devices in a room, one panel would be enough for one room or area. You don't have to install lines of switches on the beautifully decorated wall and maintain its original aesthetics. In another way, the control panels are designed to be eye-catching that you possibly would like to have them installed as some kind of ornaments.



HDL intelligent control panels



HDL provides the market with various options of intelligent control panels, which can be used in homes, commercial buildings and hotels, as well as other buildings.

We believe, control panels are meant to be attractive while offering superb user experience. This book introduces to you the full range of HDL control panels that are of different styles and features. You must be able to find the one you need.

As we offer products of our proprietary communication protocols as well as KNX, some of the control panels have variants for different protocols. We will indicate that with the following logos.

buspro

buspro WIRELESS

KNX®



CATALOG

Source Series	01
Xelent Series	05
Tile Series	09
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DLP	31
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Source 10

Super-Sized Display

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

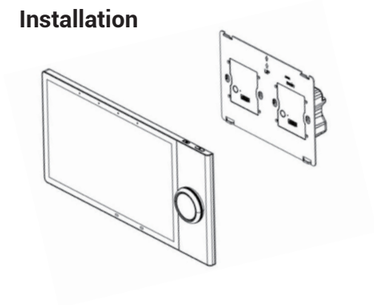
Awards: MUSE DESIGN AWARDS · FRENCH DESIGN AWARDS · A'DESIGN AWARD & COMPETITION WINNER 2025 GOLD

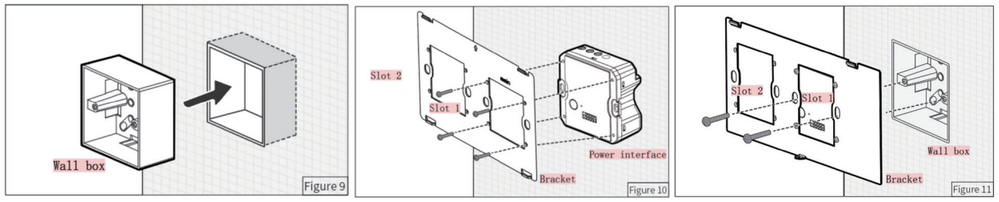
- Stepless knob assures accruate positioning
- Capable of working as a gateway
- Built-in proximity sensor for detecting human motion
- Turning off the microphone and display with one touch
- Enabling indoor communication between different rooms
- Multiple font sizes available, suitable for the whole 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.

Features and Specifications

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

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

reddot winner 2022
interface design

SILVER AWARD 2022

reddot winner 2022

FINALIST 2022

DESIGN AWARD 2022

WINNER 2021



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.

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.

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



Xelent

Available for: buspro | KNX

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 · Antique Bronze · Black

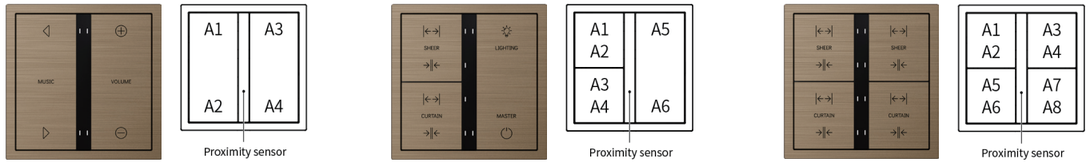
Plastic: Ivory White · Charcoal Gray

Features and Specifications

- ±1℃ 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.



4 Buttons Smart Panel

6 Buttons Smart Panel

8 Buttons Smart Panel

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:



6 Buttons

5 Buttons

4 Buttons

3 Buttons

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.



EU Socket

Waterproof EU Power Socket

Italy Socket

Svizzera Socket

Universal Socket



USB and Type-C Wall Outlet

HDMI and USB Wall Outlet

1 Port Telephone Wall Jack

1 Port Cable TV Wall Jack

1 Port Coax Cable
TV-F-Type Wall Jack



1 Port Ethernet Wall Jack

2 Ports Ethernet Wall Jack

TV and Ethernet Wall Jack

Emergency Panel

Blank Panel



1 Button Rocker Switch

2 Button Rocker Switch







Tile

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;
- Ajustable 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.

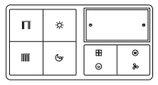
Features and Specifications

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

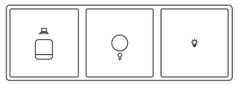
Flexible Combinations

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

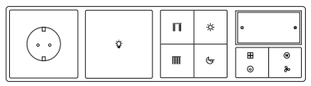
– Horizontal



2-gang

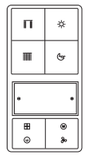


3-gang



4-gang

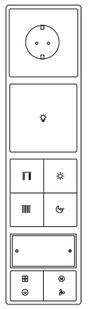
– Vertical



2-gang



3-gang



4-gang

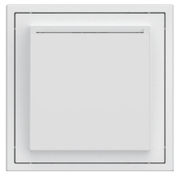
Supported control types include

- 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

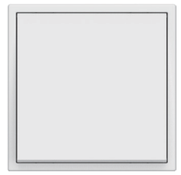
To provide users with better smart solutions, Tile Series 2.1 comes with various non-smart products for solution design.



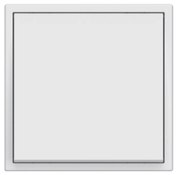
Card Holder Panel 2.1



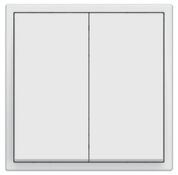
Emergency Panel 2.1



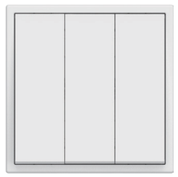
Blank Panel 2.1



1 Button
Rocker Switch 2.1



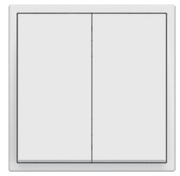
2 Buttons
Rocker Switch 2.1



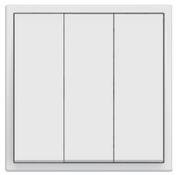
3 Buttons
Rocker Switch 2.1



1 Button
Momentary Switch 2.1



2 Buttons
Momentary Switch 2.1



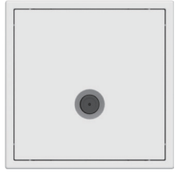
3 Buttons
Momentary Switch 2.1



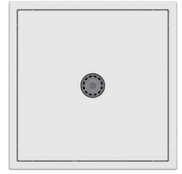
Induction Floor
Light Panel 2.1



TV and Ethernet
Outlet 2.1



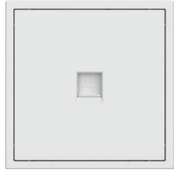
1 Port Coax Cable
TV-F-Type Wall Outlet 2.1



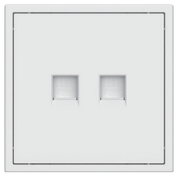
1 Port Cable
TV Wall Outlet 2.1



1 Port Telephone
Wall Jack 2.1



1 Port Ethernet
Wall Outlet 2.1



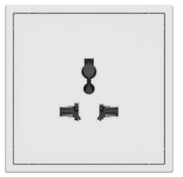
2 Port Ethernet
Wall Outlet 2.1



EU Socket 2.1



Waterpro of EU
Power Socket 2.1



Universal Socket 2.1



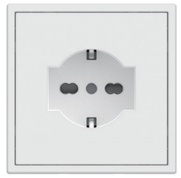
HDMI and USB Outlet 2.1



USB and Type-C Outlet 2.1



Shaver Socket 2.1



Italy Socket 2.1



Swiss Scoket 2.1







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

Support: buspro

MUSE DESIGN AWARDS

FRENCH DESIGN AWARDS

reddot winner 2025

WINNER 2025 PLATINUM

2025 新质点奖

Eave Series Knob Temperature Control Panel









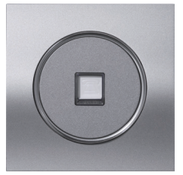
Eave Series Button Smart Panel







Eave Series Non-smart Panel



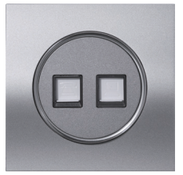
1-Port Telephone Wall Jack



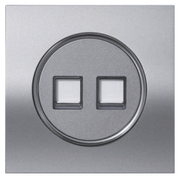
1-Port Ethemet Wall Outlet



1-Port Cable TV Wall Outlet



TEL and Ethernet Outlet



2-Port Ethernet Wall Outlet



TV and Ethernet Outlet



1-Button Switch



2-Button Switch



3-Button Switch



Blank Panel



Induction Floor Light Panel



Emergency 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.

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: Pearly White Plum Purple

Support: buspro

MUSE DESIGN AWARDS

FRENCH DESIGN AWARDS

A'DESIGN AWARD & COMPETITION WINNER 2025 PLATINUM

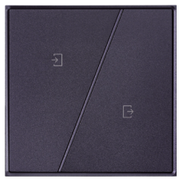
Inkslab Series Knob Temperature Control Panel





Inkslab Series Button Smart Panel









Inkslab Series Non-smart Panel



1-Port Telephone Wall Jack



1-Port Ethemet Wall Outlet



1-Port Cable TV Wall Outlet



TEL and Ethernet Outlet



2-Port Ethernet Wall Outlet



TV and Ethernet Outlet



1-Button Switch



2-Button Switch



3-Button Switch



Blank Panel



Induction Floor Light Panel



Emergency Panel

Granite Display



Redefne the way you control connected devices on a wall panel.

Granite Display is a multifunctional touch-control panel with 4-inch high-resolution display. You can quickly access the most frequently used functionality or scenes by the short-cut buttons on the home screen. And you may change the short-cut settings as you wish. As you explore more on the user interface, you may find it different but comfortable controlling your home devices on Granite Display.

Available for:

buspro | KNX

Color:

Arctic Silver Space Gray

Features and specifications

- 4-inch 720 x 720P HD touch display
- Built-in proximity sensor
- Built-in temperature and humidity sensor
- Adjustable screen backlight brightness

A panel for all functionality.

Granite Display is multifunctional to control lights, curtains, modes, HVAC, music, primary air system, etc. Instead of installing a row of switches on the wall, you can just use one Granite Display to control all electric devices and keep the wall in a minimal look at the same time.



Granite 4.3"

Available for: buspro | KNX

Granite 4.3" is a high-end and multi-function control panel for home automation. With 4.3-inch LCD screen and full-screen touch control, it is convenient for the users to control devices of lighting, curtain, scene, air conditioning, floor heating, music and fresh air in an intuitive way.



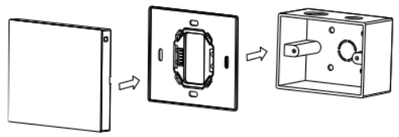
Features and Specifications

- Supports screen lock
- Adjustable LCD backlight brightness
- LCD screen wakes up automatically
- Supports sleep mode, the panel can be set to enter sleep mode if there is no operation for a certain period of time.
- Built-in temperature and humidity sensor, proximity sensor

Parameter

Working voltage	Buspro: 12~30V DC；KNX: 21~30V DC
Working current	Buspro: 100mA/24V DC；KNX: 11mA/30V DC

Installation Instruction



Granite

The Granite Panels are made of the most regular shapes, rectangles. With careful calculation on the proportion of each rectangle stripe, we make these obvious shapes a unique piece of ornament that naturally fits into your home.

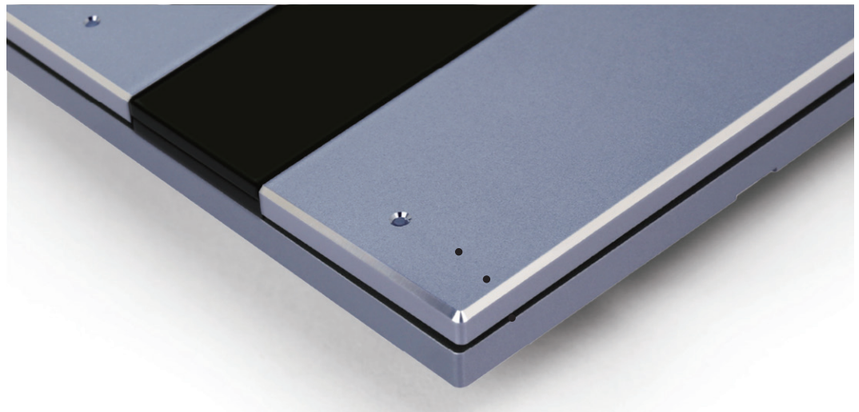
Available for:

buspro | KNX



Available in two sizes with three colors

Size: 86 x 86 mm (EU), 86 x 116.5 mm (US)
Power supply: DC 24V
Color: Space Gray



Instinctive experience

Most of the time, when we see a metal switch, we push it to control instead of touching it. So, we make it a push-button panel.

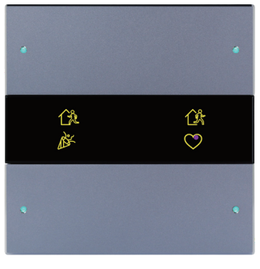
- Premium metal finish
- Natural and comfortable push feedback
- Endures at least 100,000 times of pushes

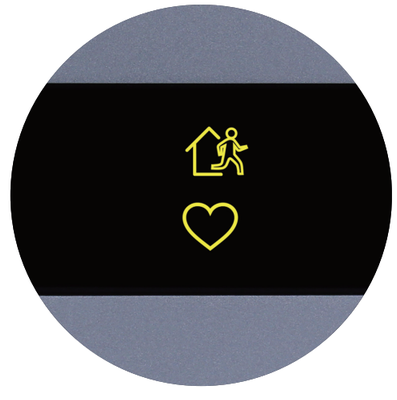
More intuitive, more beautiful

The status indicators and icon backlight on the Granite panels are RGB lights, which means the brightness can be dimmed to the level you want, and the colors can be changed to show different status.

The icons on the panels just intuitively show you what to control. Compared to engraving words on the buttons, icons make the appearance more minimal and look better.







Icons for Intuitive Control





Fangzhi Series Pannel

Available in four curated colors to suit any lifestyle and interior, these panels combine style with function. The integrated relay base cuts costs, while lab-grade sensing delivers a seamless three-in-one upgrade: effortless installation,intuitive feedback, and precise control.

Color(metal) : ○ Snowflake Silver ● Outlet Black ● Champagne Gold ● Champagne Gray

Support: buspro

Fangzhi Series Switch Panel



Four Key Switch Panel
(without aluminum sheet)



Eight Key Switch Panel
(without aluminum sheet)



Four Key Switch
Panel-4CH 10 relay



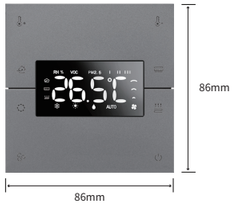
Eight Key Switch
Panel-4CH 10 relay

Fangzhi Eight Key Thermostat Panel









Fangzhi Series Non-Smart Panels



1-Port Telephone Wall Jack



1-Port Ethemet Wall Outlet



1-Port Cable TV Wall Outlet



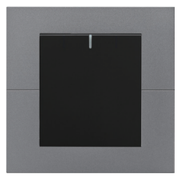
TEL and Ethernet Outlet



TV and Ethernet Outlet



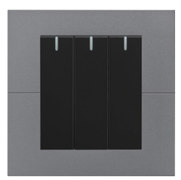
2-Port Ethernet Wall Outlet



1-Button Switch



2-Button Switch



3-Button Switch



Induction Floor Light Panel



Emergency Panel

Fanora 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

MUSE DESIGN AWARDS

FRENCH DESIGN AWARDS

A'DESIGN AWARD & COMPETITION WINNER 2025 BRONZE

2025 NEW QUALITY DESIGN AWARDS 新质点奖

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





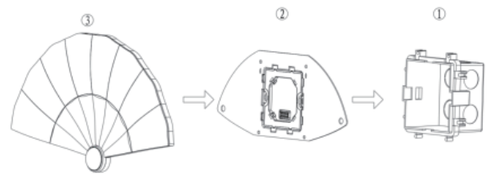
Supported control types include

- 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 is a touch-control panel equipped with a 4.3-inch display. It allows you control lighting, curtains, HVAC, music and more functionalities effortlessly on its intuitive graphic user interface. What you need to do is just a press on the screen.

Shading

Lighting

HVAC

Scenes

Music

More

Available for:

buspro KNX

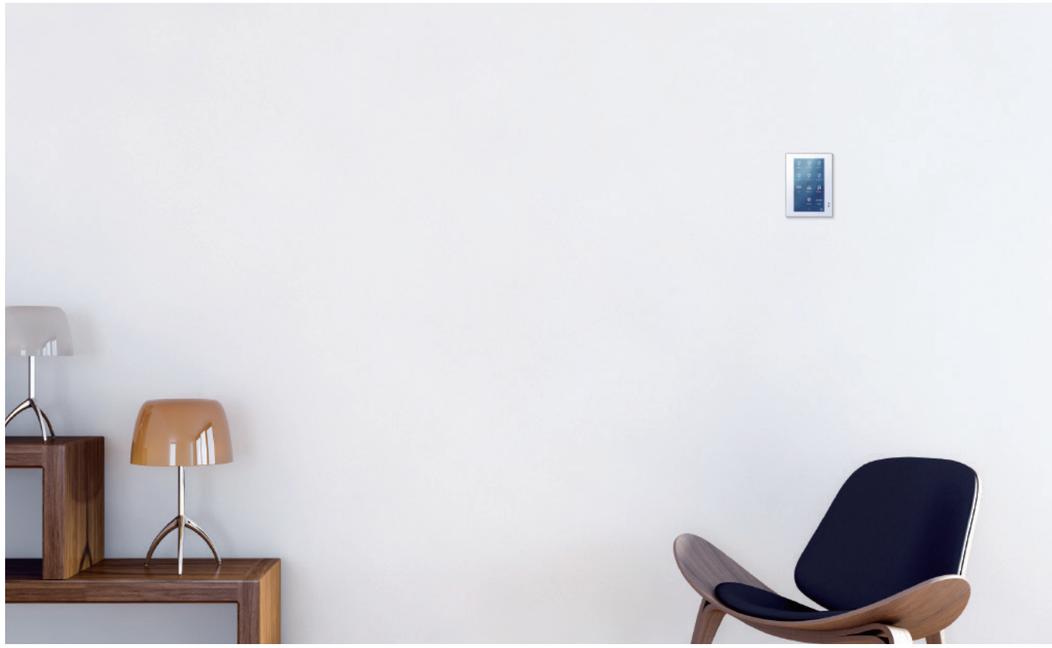
Size: 86 x 116.5 mm (US)

Power supple: DC 24V

Colors: ■ Black □ White

Other features and specifications

- Color capacitive touch display
- Customizable UI
- Built-in proximity sensor
- Built-in temperature sensor
- Built-in IR receiver
- Built-in real-time clock
- Aluminum frame
- Supports online upgrade
- Power supply: DC 24V





Powerful and easy to use

Like other HDL control panels, Enviro enables you to control all devices connected to the system. Yet, it's simple and easy to use. For example, the screen will automatically wake up as your hand approaches to it. The process is so natural and smooth that no extra movement is needed to access the home page.

DLP Touch



DLP Touch is designed to offer you a quick and simple touch-control experience. Its face is entirely covered by one piece of glass. With the LCD in the middle, you can have the icons or text customized. Every time you touch the panel, you clearly know what to control. Not a single thought is needed.

Shading

Lighting

HVAC

Scenes

Music

More

Available for:

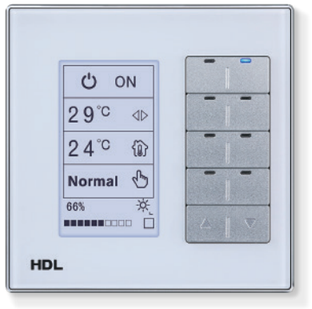
buspro | KNX

Size: 86 x 116.5 mm (US)
Power supple: DC 24V
Colors: ■ Black ☐ White

Other features and specifications

- Mono-color LCD
- Customizable icons and captions
- Built-in temperature sensor
- Built-in proximity sensor
- Built-in IR receiver
- Aluminum frame
- Supports online upgrade

DLP





Since its release 10 years ago, DLP has been installed in numerous projects. It's always one of the most popular items among our control panels family.

Available for:

buspro | KNX | buspro WIRELESS

Size: 86 x 86 mm (EU), 86 x 116.5 mm (US)

Power supple: DC 24V

Colors: ■ Black □ White

The LCD directly indicates the control contents when its push buttons are able to give you firm feedback that confirms your operation.

- Mono-color LCD display
- Supports 147 languages
- Customizable icons or captions
- Built-in temperature sensor
- Aluminum frame
- Supports online upgrade

Shading

Lighting

HVAC

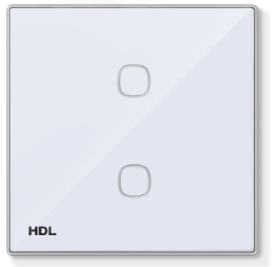
Scenes

Music

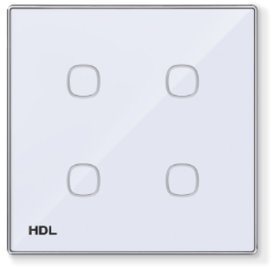
More



iTouch



2-button



4-button

Most of the time, it is used to switch on or off a device or a scene. But you can also dim the brightness of lights by a long press.

- Touch button with RGB backlight
- Aluminum frame
- Supports online upgrade

iTouch is always a great option if you are looking for a beautiful keypad of minimal design. Its body is enclosed by a fine aluminum frame, while the face is a piece of glass with touch buttons. It perfectly matches any interior decoration.

Shading | Lighting | HVAC

Scenes | Music | More

Available for:

buspro | KNX | buspro WIRELESS

Size: 86 x 86 mm (EU), 86 x 116.5 mm (US)
Power supple: DC 24V
Colors: ■ Black □ White







2-button



4-button



6-button

Hospitality Interfaces

Enhance the guest experience.

Hospitality providers require solutions that are highly specialized, and designed to meet the requirements of both guests and staff.

At HDL we provide a range of keypads, panels, and user interfaces which have proven themselves in countless installations across the globe. From Marrakesh to Mumbai, and Berlin to Beijing, HDL hospitality solutions can empower your hotel to provide your guests with the service they deserve.

Although the hospitality solution range has been created specifically for the hospitality industry, due to the inherent flexibility and compatibility of the HDL system, any HDL control interface can be used in a hospitality setting.

Notification Stations

A guest's privacy is priceless.

First impressions form lasting memories. That's why the HDL smart guest room experience starts before a guest even enters their room. Choose from two customizable notification stations which show the room number as well as laundry, cleaning, and do not disturb indication.

To make access to the room even easier, the SB-3s-Bell-XS also features RFID card technology. This means a guest need only swipe their room card to open their door.









Ecomaster Card Switch

Your guest room made energy efficient.

Created to activate or deactivate a room's electrical system, the Ecomaster card range enables hoteliers to dramatically increase their energy efficiency. With the ability to activate different scenes when different cards are inserted, the Ecomaster card switches can personalize how a guest experiences their room.

From automatically activating the lighting, to triggering a welcome message, the card switches deliver a truly efficient customizable environment.







