HDL QA

INTELLIGENT CONTROL PANELS

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 opt 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.
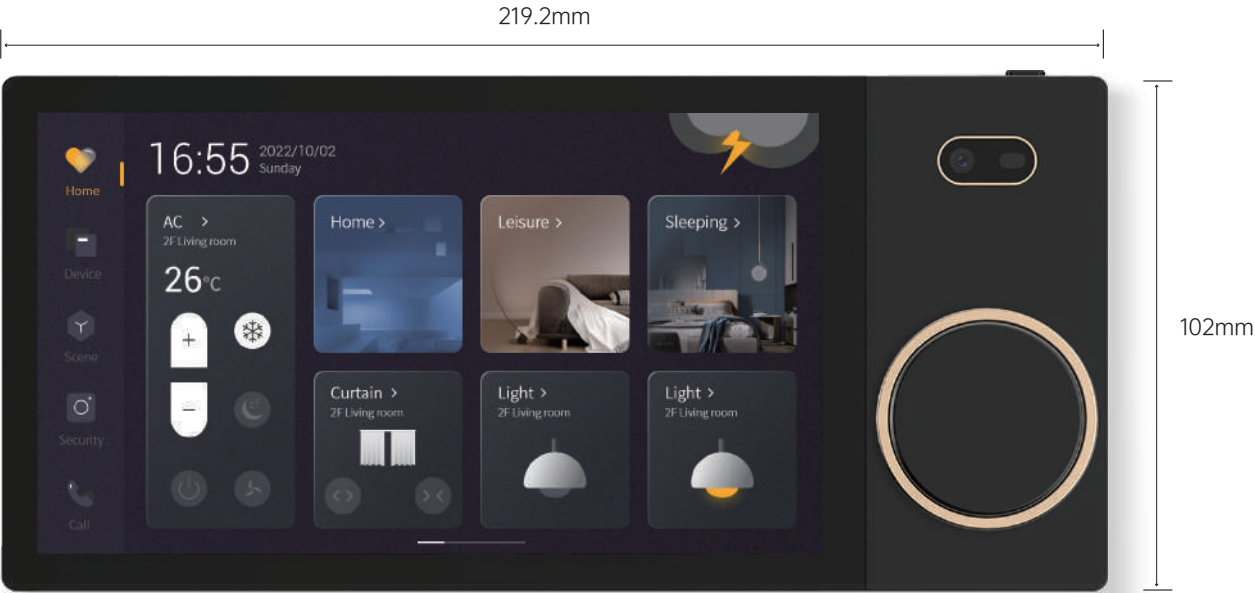
buspro

buspro WIRELESS

KNX®

CATALOG

Source 7

Protocol: WIFI LINK

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 panels facilitate indoor voice calls, simplifying communication between different rooms.

219.2mm

102mm

Winner of 6 design awards

SILVER AWARD 2022

FINALIST 2022

iF DESIGN AWARD 2022

reddot winner 2022 interface design

reddot winner 2022

Contemporary Good Design WINNER 2021

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

Color: ■ Pine green ■ Mountain blue ■ Ink Dark

Parameter

Dimension

219.2×102×25.6mm (without power interface, see Figure 4)
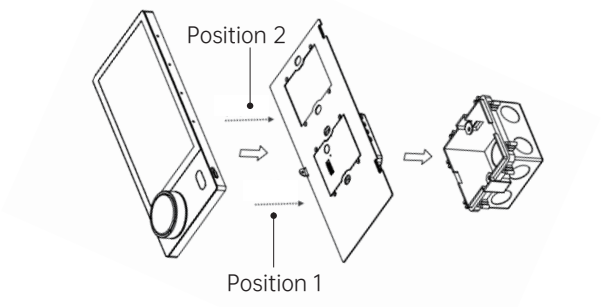219.2×102×54.8mm (with power interface)

Net weight

408g (with bracket; without power interface)

Housing material   PC

Installation   Wall box

Protection Type   IP20
(Conform to EN 60529)

Installation Instruction

Position 2

Position 1

Granite Display

Redefine 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**®

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

Color:

⬜ Arctic Silver   ⬛ Space Gray

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.

116.5mm

86mm

Features and Specifications

Supports screen lock

Adjustable LCD backlight brightness

Auto 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

Installation Instruction

Parameter

Working voltage　　Buspro: 12~30V DC；KNX: 21~30V DC

Working current　　Buspro: 100mA/24V DC；KNX: 11mA/30V DC
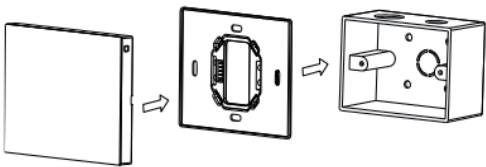
Granite

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.
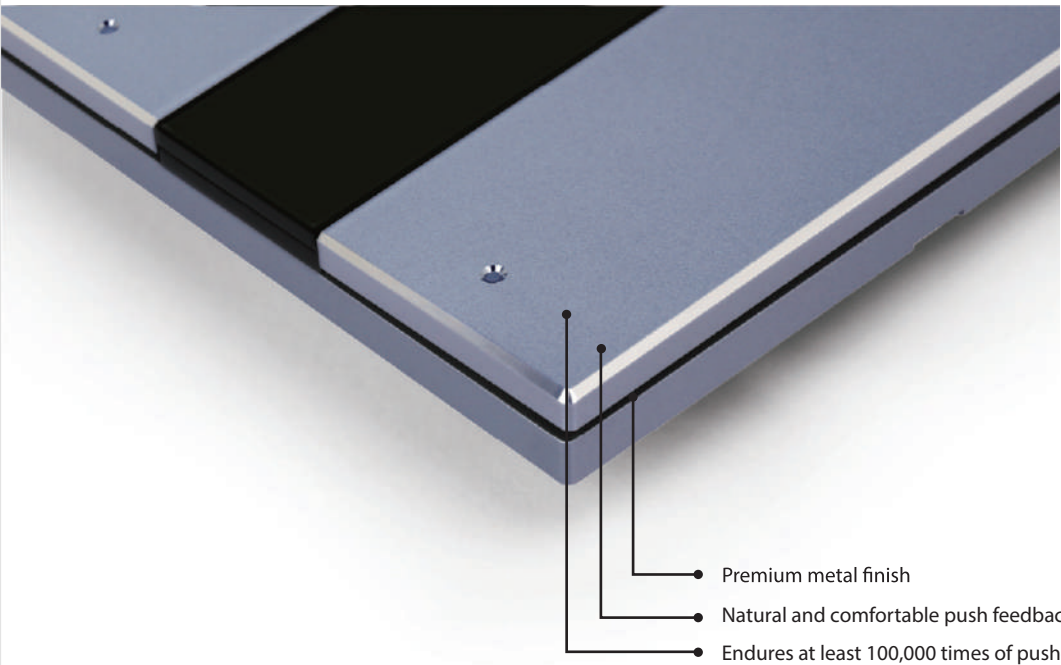
Available for:

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.
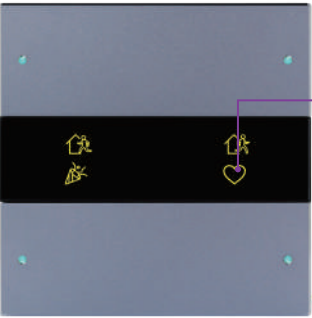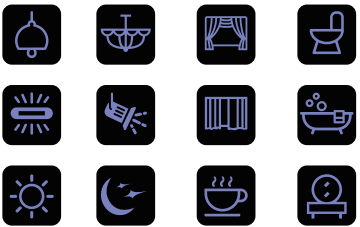
Icons for Intuitive Control

Tile Display

Available for: buspro | KNX

Tile Display is a multi-functional control panel for home automation. With a 3.5-inch LCD screen and vivid interface design, 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 functionalities but with a consistent look.

86mm

86mm

90mm

90mm

Color:

Plastic: ☐ Ivory White ■ Ash Gray   Metal: ■ Champagne Gold ■ Space Gray

Features and Specifications

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

Parameter

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

Tile

Color:

Plastic: ⬜ Ivory White

⬛ Ash Gray

Metal: 🟫 Champagne Gold

🟦 Space Gray
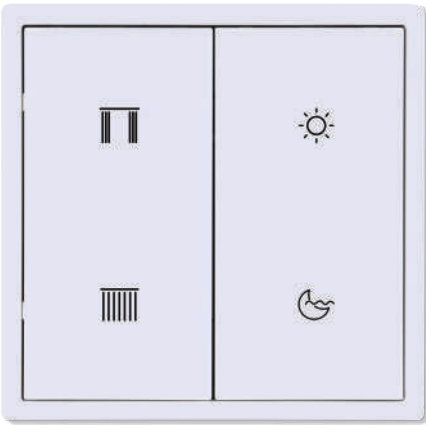
Controls everything you need

Tile is a series of intelligent control panels that has push-button keypads, OLED multi-functional panels, socket panels with USB ports and emergency button panels.

Its rectangular or square buttons are just like little tiles paved on the surface. It is able to keep the walls in a consistent and beautiful look while meeting various requirements of functionalities.

Available for:

buspro | KNX

🪟 Shading

💡 Lighting

❄️ HVAC

••• More

Features and specifications

- Supports various types of control targets
- Flexible combinations for required functionalities
- RGB icon backlight
- Customizable button icons
- Users are allowed to set the colors of icon backlight
- Available in two materials and four colors
- Runs on HDL Buspro protocol
- Supports online upgrade

Premium quality with two materials

Tile series comes with two versions of different materials: metal and plastic. Each one is able to give you a sense of premium quality, either with the refined sandblasting finishes on the metal one or the skin-like touch feeling on the plastic one.

Flexible combinations for functionalities

The basic unit of Tile is a keypad or socket panel 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.

– Horizontal ⬜ Ivory White

2-gang

3-gang

4-gang

– Vertical (Metal Version Only) 🟦 Space Gray

2-gang

3-gang

4-gang

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
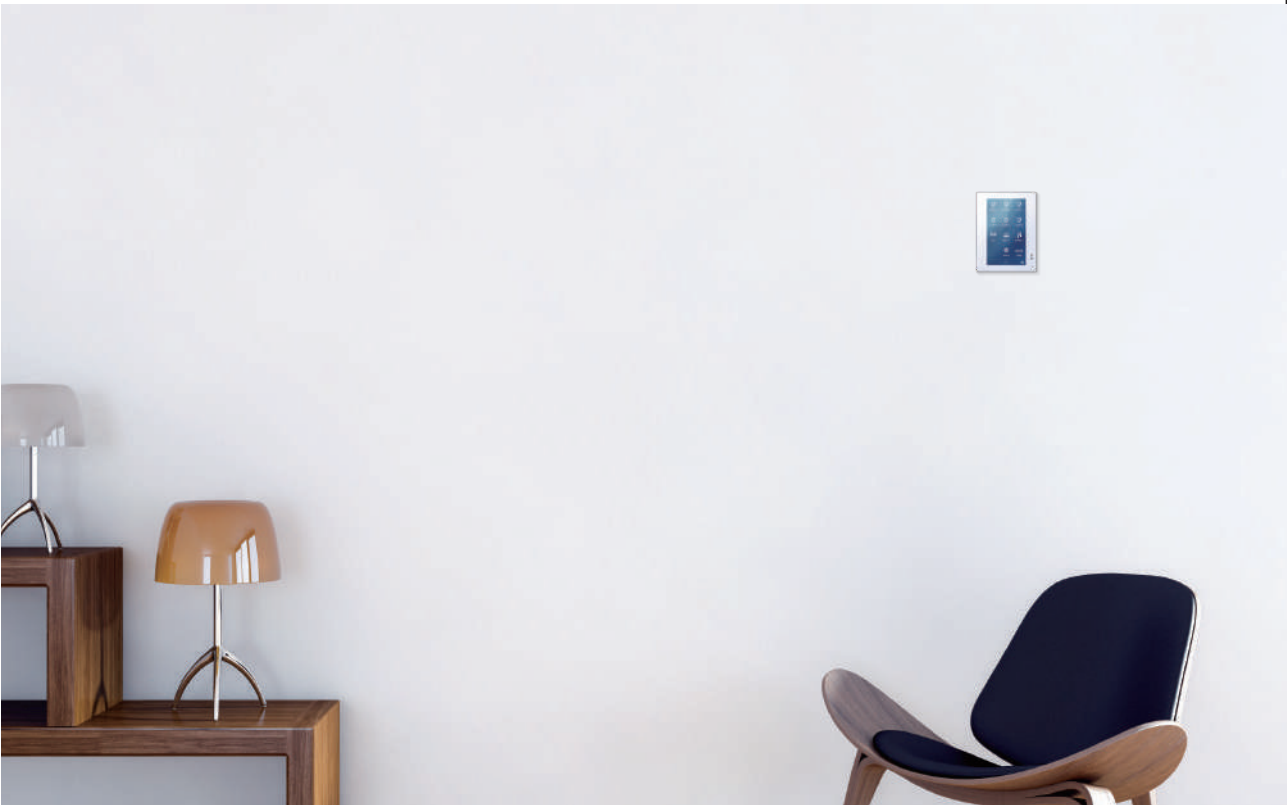
Powerful and easy to use

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

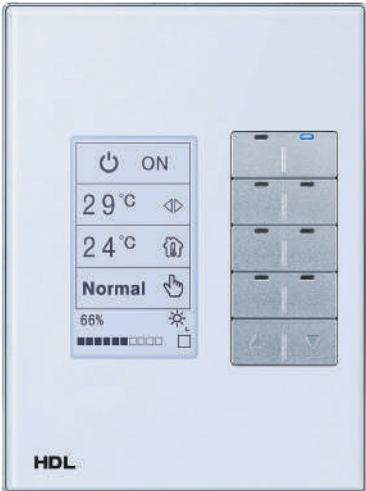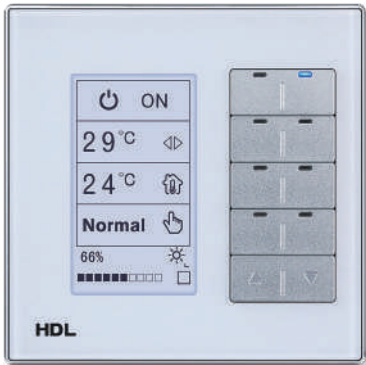| Scenes	Music	More

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.

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

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

Shading   Lighting   HVAC

Scenes   Music   More

iTouch

2-button

4-button

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.
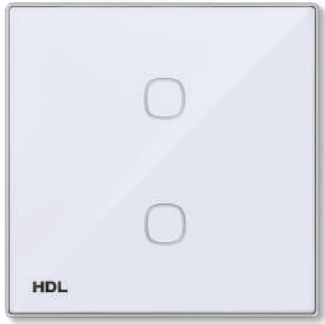

Shading

Lighting

HVAC

Scenes

Music

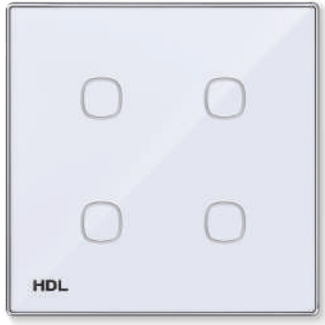
More

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

Available for:

buspro | KNX | buspro WIRELESS

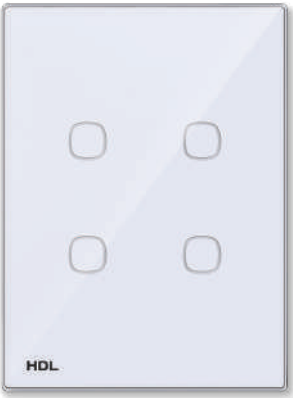**Size:** 86 x 86 mm (EU), 86 x 116.5 mm (US)
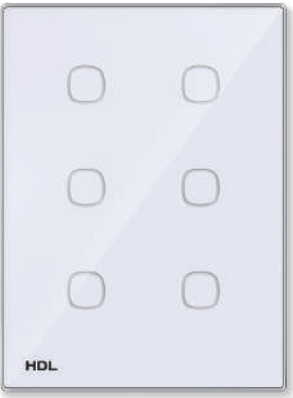**Power supple:** DC 24V
Colors: ■ Black   ☐ White

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.