HDL® | buspro

Hospitality Solutions

www.hdlautomation.com

HDL® | buspro

A New Guest Room Concept

HDL®

▸Automation Experts

At HDL we realize that each hotel is as unique as the guests which visit it.

That's why every HDL installation is custom designed to deliver a holistic solution for the individual needs of each hotel.

Established in 1985 with its headquarters in Guangzhou, HDL is a global company which manufactures bespoke building automation products.

At HDL we strive to provide innovative energy saving products, which improve the comfort and convenience of living spaces. We know that environmental protection is crucial, that's why a HDL solution is more than a product, it's an investment in the future.

BRANDS WHO TRUST US

buspro

Buspro is a distributed communication protocol based on the RS-485 standard. Buspro can completely control a building's electrical system, whilst retaining the ability to be expanded or adapted with ease.

Reliable

Buspro provides building owners and operators proven automation platform which has been installed in thousands of HDL projects around the world. Utilizing secure information transmission technology, each data packet is guaranteed to reach its intended destination module intact.

Flexible

Able to handle from 80-270 volts, Buspro can be installed into any modern building with ease. An unparalleled range of modules enables each Buspro installation to be customized to meet the exact requirements of each project.

Simple

Designed with the end user in mind, Buspro is not only simple to install, but effortless to use. With intuitive programming and control interfaces, Buspro provides its users with the very best automation experience possible.

Unlimited

With new Buspro modules and sensors constantly being developed, Buspro is able to take advantage of industry-changing technology to deliver an improved automation experience.

Guest Room Functions & Features

Real time service notifications.

With guest service requests delivered directly to the concierge, staff can respond in a timely and efficient manner.

Centralized room control.

For maximum guest convenience, all of the automated elements within a guest room can be controlled from a single HDL user interface.

Welcome mode.

Warmly welcome each guest to their room by playing a welcome message, having the room's lighting turn on, and the curtains automatically open.

Energy saving modes.

Automatic energy saving modes ensure that guest room energy usage is always optimized, and guest comfort is never compromised.

More **innovative** solutions inside >>>

Why Optimize
Your Hotel?

1 Centralized control.

Provide guests with centralized room control so that appliances, HVAC, shading, audio, and service requests can be managed from a single point.

2 Improved security.

Improve building security through the central management of smoke detectors, door sensors, and emergency buttons.

3 Increased efficiency.

Through combining on demand energy usage in public areas and automatic guest room scenes, a building's energy consumption can be dramatically reduced.

4 Simple HVAC control.

With automated HVAC management, set the temperature for the entire building or a single room, and let the Buspro system ensure that it is efficiently and effectively reached.

5 Full PMS integration.

Empower your PMS system though integrating it with your HDL automation solution for an unrivalled building management platform.

6 Enhanced guest experience.

Offer your guests next level comfort and convenience, and make their stay truly memorable. From curtains opening automatically in the morning, to dimmable lighting, HDL turns a good room into a great room.

7 Custom design.

Create a tailor-made automation solution which specifically meets the needs of your building. You can even customize your selected HDL user interfaces with your own logo, color scheme, or fascia material.

8 Fully certified.

All HDL solutions are fully tested to ensure they meet or exceed RoHS and CE specifications.

RoHS CE ▶Enabled for 80-270V.

Ideal for Any Hotel

Luxury Hotels

Give your guests a truly five star service through fully automating all public areas and guest rooms. With shading, lighting, HVAC, and audio controlled automatically staff can concentrate on maximizing guest satisfaction.

Resorts

Buspro is capable of controlling air-conditioning, pool temperature, outdoor lighting, sauna temperature, and a host of other hotel amenities.

Boutique Hotels

Control the entire building's lighting, HVAC, and security from a single point. Reduce your carbon footprint, and minimize energy costs.

Hostels

With smart locks, smart metering, and on demand energy usage hostels can provide a more secure and energy efficient environment.

Case Studies

MORPHEUS

▶ Morpheus Hotel in Macau

Macau, China

Designed by the legendary architect Zaha Hadid, Morpheus is the new flagship hotel for the City of Dreams Macau. Its public areas and 779 guest rooms are automated with HDL hospitality solutions.

Intelligent control of lighting, HVAC and shading is made possible. Users can effortlessly control the devices on HDL Enviro panels.

SOFITEL
LUXURY HOTELS

▶ Sofitel Tour Blanche

Casablanca, Morocco

The Sofitel in Casablanca sought a tailored guest experience. In order to achieve this they opted for DLP guest panels and the Buspro system.

In each of the 141 rooms, DLP panels control the AC, curtains, and lighting.

As well as this each room also features an emergency button which can notify the concierge in the event of a crisis .

RAMADA
HOTEL DUBAI

▶ Ramada Downtown

Dubai, U.A.E.

Located in Dubai, the Ramada required each guest room to be fully automated with AC, shading, and lighting control.

In addition to this custom user interfaces were created to match the carpet in the main ballroom.

This customization created a seamless blend of technology and style, which perfectly matched the atmosphere the Ramada sought to create.

THE GRAND
HO TRAM STRIP

▶ The Grand Ho Tram

Phuoc Thuan, Vietnam

The Grand Ho Tram worked in close partnership with HDL to implement lighting control, AC control, room cleaning indication, room status indication and doorbell displays with DND indication.

They also required their Cenium PMS system to be integrated with the HDL Hotel System. This merging of systems allows the check in/out process to be operated completely by the hotel's reception staff. This streamlining of the process not only saves the hotel energy, but saves time for the guests.

Welcome to the Future of Hotel Management

GUEST ROOM 312

ENERGY SAVING

The guest is away, energy saving mode has been activated:

• All lights off
• Heating off
• Appliances on standby

GUEST ROOM 413

WELCOME MODE

Business trip welcome mode launched:

• Curtains open
• All lights on
• Background music activated

GUEST ROOM 414

CLEANING MODE

Cleaning mode activated:

• AC off
• Curtains open
• Doors unlocked
• Appliances off

GUEST ROOM 308

SECURITY

If a guest has left their room door open for more than 20 minutes, a warning will be sent to the concierge.

GUEST ROOM 315

DND MODE

Do not disturb mode activated:

• The DND icon has been illuminated on the doorbell panel.

GUEST ROOM 216

READING SCENE

Guest has activated the reading scene from the room DLP panel:

• Lighting dimmed by 30%
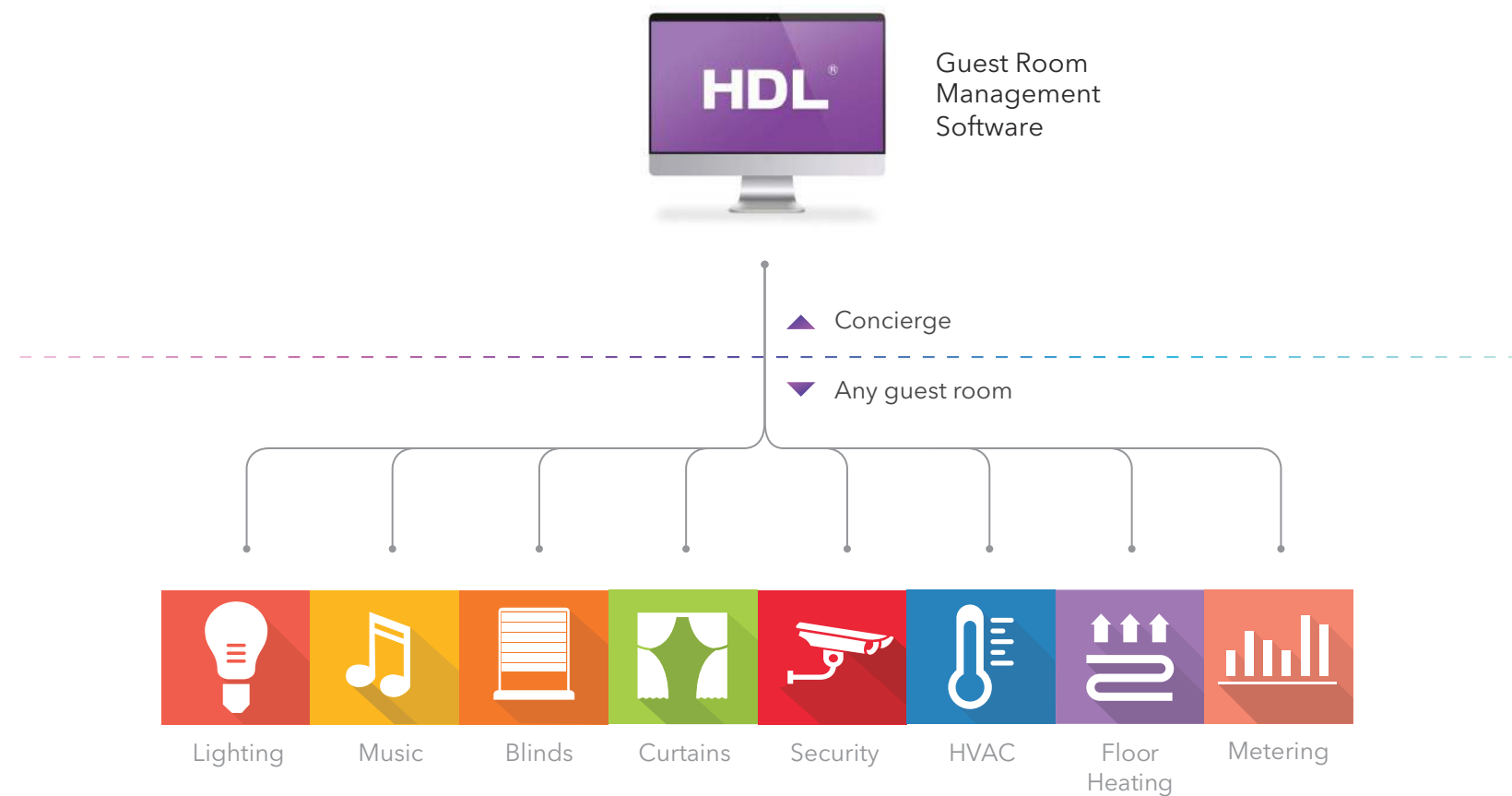• Curtains closed 100%
• Bedside lamp on

GUEST ROOM 104

ROOM SERVICE

Guest has requested to check out. Petition delivered successfully to the PMS system.

Guest Room Remote Control

▶ A bespoke tool made to control the entire hotel.

HDL ®

Guest Room
Management
Software

▲ Concierge

▼ Any guest room

| Lighting | Music | Blinds | Curtains | Security | HVAC | Floor Heating | Metering |

buspro

Control every electrical device in each guest room remotely.

1. Real-time control & monitoring.

Have full centralized control of your entire hotel without compromising the privacy of your guests.

2. Programmable timer events.

Schedule different timer scenes for individual guest rooms or groups of guest rooms.

3. Activate preset modes.

Enable devices to have different functions at different times of the day.

4. Compatible with your PMS system.

Buspro can empower a PMS system to provide numerous innovative services.

PMS Integration

▶ Deliver services faster.

Automate all of your guest services through incorporating Buspro into your property management system.
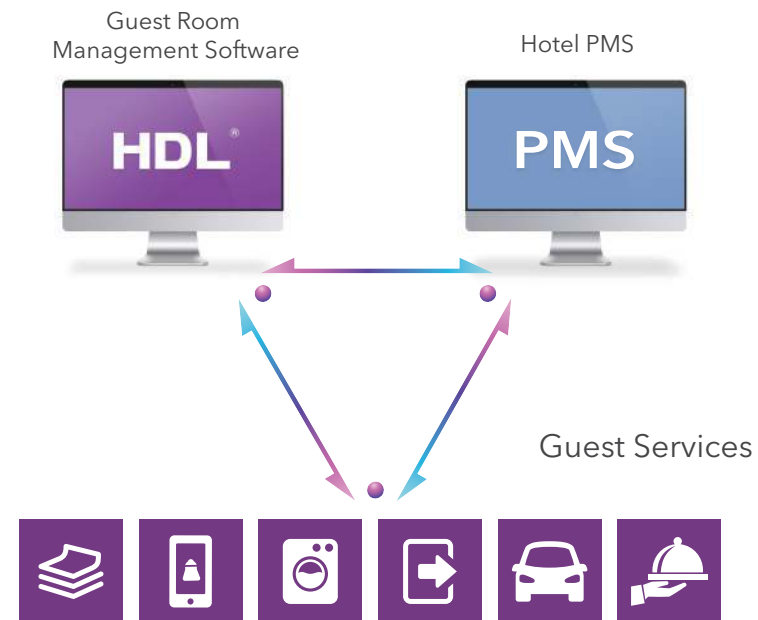
CLEANING

CHECK OUT

WAKE UP CALL

LAUNDRY

VEHICLE RESERVATION

ROOM SERVICE

Our customised PMS integration fully integrates Buspro with your property's PMS system.

If your PMS system isn't currently compatible with Buspro, don't worry. IDL is constantly working to improve PMS compatibility, and can provide a custom solution for your PMS system.

HOTEZA
hospitality software

Guest Room Management Software

HDL's Guest Room Management Software brings you a powerful and intuitive platform which can control every automated element of a hotel.

Using a combination of intelligent room simulations and point and click control, staff can ensure maximum hotel efficiency while guaranteeing guest privacy and security.

Advanced HDL algorithms allow room scenes, sequences, and energy saving modes to be created and activated instantly.

For added system security, the Guest Room Management Software supports ID Access Control and a data backup and system restore function.

CHECK IN

▶ Impress your guests by welcoming them to their room.

After a guest has checked in, the system can initiate a fully customizable welcome scene.

This means that the first time a guest opens their room door, a welcome message can be played, the room amenities activated, and the lighting, shading, and HVAC can be adjusted to preset levels.

Some of the more popular HDL guest room scenes include:

- Business Trip
- Family Vacation
- Romantic Getaway
- Wedding

HDL ®
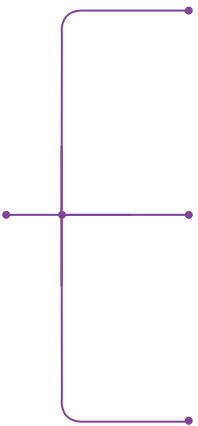
Temperature
Before a guest even enters their room, the HVAC system can be activated so that the room reaches the hotel's ambient temperature.

Music
When the guest room door is opened, a welcome message or song can be played.

Lighting
The room's lighting and curtains can be adjusted in accordance to the preset welcome mode.

Energy Saving Made Simple

▶ Custom energy saving modes.

With five present modes designed to maximize energy efficiency, operational costs can be reduced without compromising the quality of your hotel's services.

VACANT MODE

Activated as soon as a guest has checked out of the hotel, a room's appliances, lighting, and HVAC system will be turned off.

This eliminates all unnecessary energy expenditure.

CUSTOM SCENE MODE

HDL's Buspro system can be programmed for hundreds of custom room scenes. These scenes can involve audio, lighting, shading, appliances, and HVAC in countless combinations.

Activated by sensors, timers, key cards, room panels, or even the concierge the possibilities are endless.

OCCUPIED MODE

Lighting will be dimmed and shading opened automatically during daylight hours.

The HVAC system will work in conjunction with external sensors, to ensure the guest's preferred room temperature is reached efficiently.

UNOCCUPIED MODE

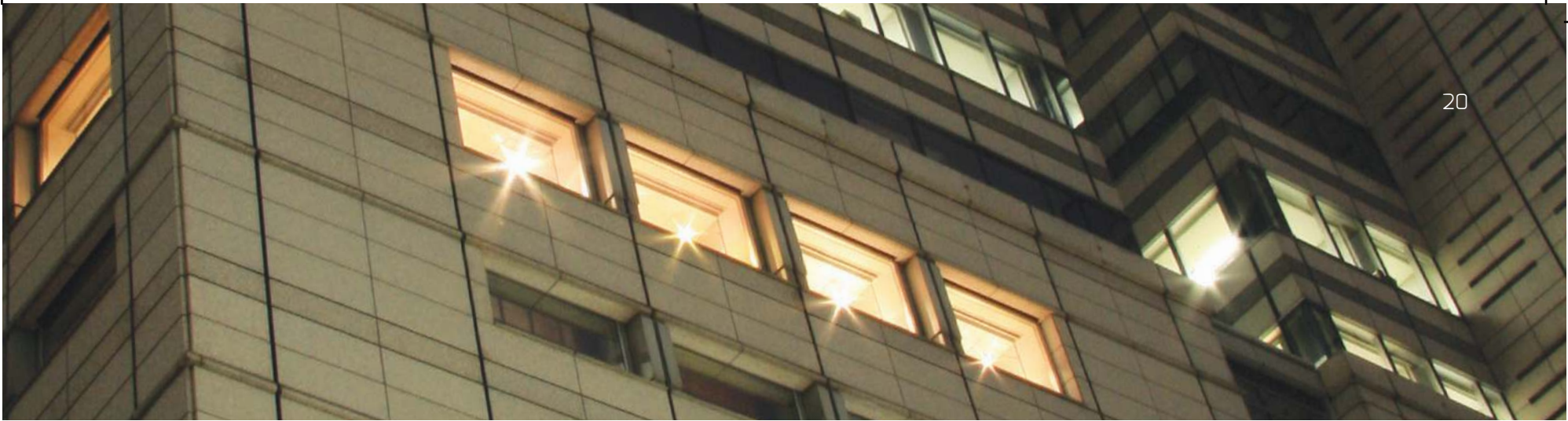All devices and appliances will be turned off when a guest leaves the room.

When they return the lighting, shading, appliances, and HVAC will return to their previous usage status.
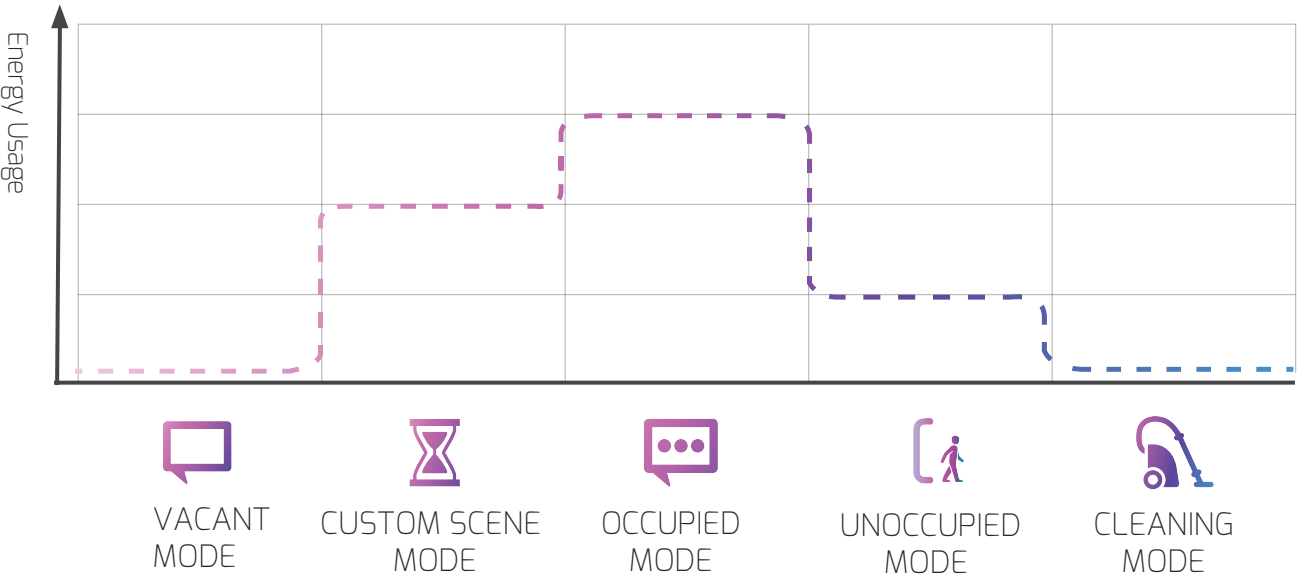
CLEANING MODE

During cleaning mode the HVAC system is turned off, as are all room appliances.

Only the power sockets utilized by hotel staff for cleaning remain active to ensure optimum energy savings.

▶ Energy Consumption Vs. Running Modes

Energy Usage

VACANT MODE CUSTOM SCENE MODE OCCUPIED MODE UNOCCUPIED MODE CLEANING MODE

Efficiency and Security

▶ For absolute peace of mind throughout your hotel.

HDL

▶ Intelligent human resource management.

Using the HDL Guest Room Management Software, staff can focus on hotel necessities and improving the guest experience.

Controlled centrally from the concierge, the entirety of a hotel can be monitored remotely for true hassle free management.
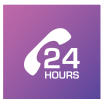
▶ Deliver excellence.

With guest service requests automatically routed to the concierge, orders can be immediately fulfilled.

When this on demand service is coupled with room occupancy indication, staff can better organize their resources to provide a seamless personalized service.

▶ Avoid oversights.

In the concierge a notification pop-up will be received if a guest has a door open for an abnormally long time.

▶ A quick reaction can save lives.

In an emergency a quick response is essential. With the guest emergency button one touch can immediately alert the concierge to the situation.

EMERGENCY BUTTON

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Full Range of Hotel Products

Designed for Hotels

HDL offers a wide range of user interfaces which have been specifically created to meet the needs of the hospitality industry.

Able to be fully customized, HDL can tailor the material, iconography, color, language, and function of an interface so that it meets the exact needs of our clients.

▶ Intelligent user interfaces.

EXPERIENCING THE STAY

HDL offers a wide variety of user interfaces capable of whole room control. Fully customizable, and available with either capacitive or physical buttons, whatever your requirements are HDL has your ideal control solution.

Capacitive Interfaces

DLP Modern

We looked at what made our award winning DLP panel so good, and we made it better.

Retaining the essence of the original DLP, the DLP Modern combines 8 capacitive pads, and a large ultra-clear LCD screen to provide intuitive control over the automated elements within a single room or an entire building.

For low light operation each of the capacitive pads is ringed by an LED halo, enabling easy pad location and device status indication. The LCD screen has also been improved with a unique energy saving proximity activation feature. This enables the panel to minimize its energy consumption when not in use, and activate only when a user approaches.

From its smooth glass exterior, to its unique functionality, the DLP Modern isn't just a user interface. It's the fusion between a guest, their room, and the hotel.

l 7 different pages
l LED button indication
l Customizable icons, fonts, colors, and fascia
l 4 shortcut buttons
l Proximity activation

iTouch Series

The iTouch range reinvents your perception of what a guest room automation controller should look like.

With a glossy uninterrupted surface bringing simplicity, practicality, and an inspiring minimalist design aesthetic the iTouch range is truly unique.

Each fully customizable polished panel is available in both EU and US variants, with 2/4/6 button combinations.

Each button features a LED halo indication, enabling guests to zero in on the capacitive pad, while letting them know the status of the control target.

Notification Stations

The first element of a room a guest sees is the most important.

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.
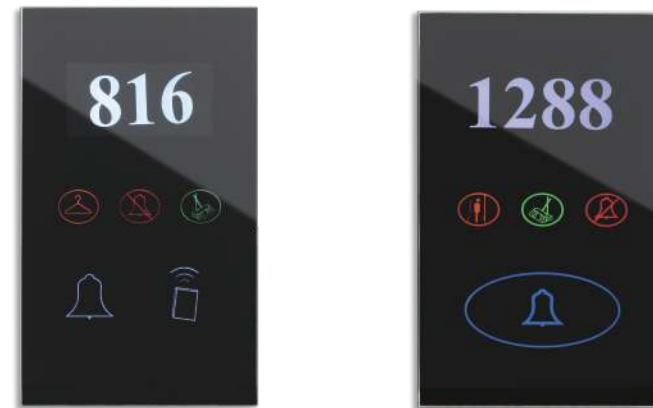
Entrant Series

The Entrant range is elegantly simple in appearance and operation.

Designed to give visitors to a room an ability to recognize if the occupant wishes to be disturbed or not, the Entrant range helps safeguard guest privacy.

As a secondary precaution against unwanted intrusion, the Entrant range also features a bell so that visitors will never be unexpected.

iFlex Series

Eminently versatile the iFlex range use paper labels covered by a hard wearing transparent polycarbonate shell, letting hotel staff quickly and easily insert customized text, icons, or pictures.

Each button also features LED indication so guests can instantly recognize exactly what is off or on.

Available with 2, 4, 6, or 8 buttons a room's scenes, appliances, and lighting levels can be controlled effortlessly.

Customizable Paper Button Labels

iElegance Series

Taking inspiration from the work of Dieter Rams, the iElegance range evokes the true spirit of 'form follows function'.

With an uncompromising design representing the distilled essence of a control platform, the iElegance range is simple and intuitive to use.

Coming in a range of 1/2/4/5 & 8 button combinations, with fully customizable button icons and labels, the iElegance range is perfect for any hotel be it boutique or an international chain.

EcoMaster Card Switch

Created to activate or deactivate a room's electrical system, the EcoMaster card switch enables hotel operators to dramatically increase their energy efficiency.

With the ability to activate different scenes when different cards are inserted, the card switch can personalize how a guest experiences their room.

From automatically activating the lighting, to triggering a welcome message to be played, the card switch delivers a truly efficient customizable environment.

HDL HomePlay

Designed to deliver crystal clear audio to a guest's room, HomePlay enables music to be streamed directly from a guest's iOS or Android device to their room's speaker system.

Able to function without any complex apps or set up procedures, a guest simply connects to the HomePlay WiFi network and then plays their preferred audio tracks.

Capable of playing any audio source your phone or tablet can, HomePlay provides a guest with a tailored audioscape effortlessly.

Android   iOS

Introducing the RCU

▶ **Total room automation simplified.**

Designed to control shading, lighting, HVAC, and appliances the HDL RCU serves as a bridge between a guest, their room, and the concierge management station.
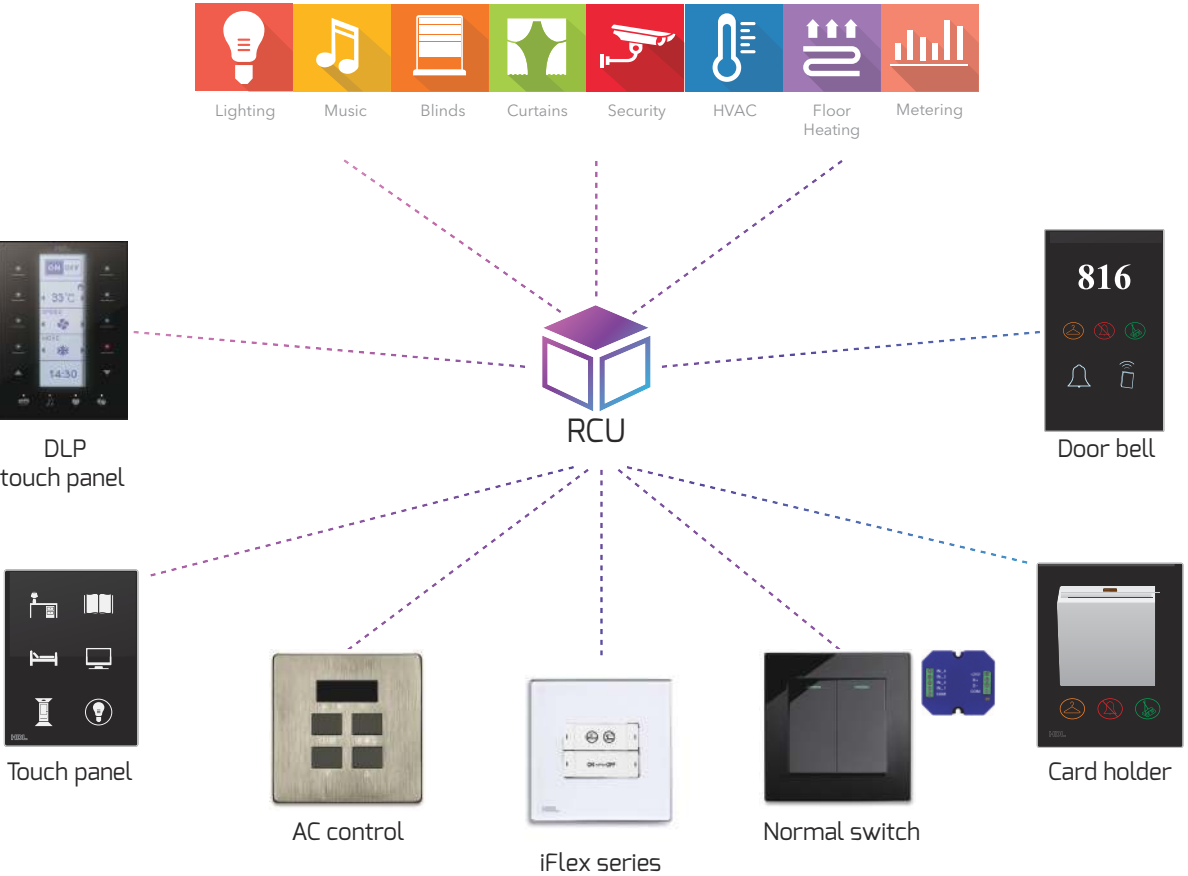
Able to be controlled through room based user interfaces, or securely controlled by hotel staff, the RCU maximizes comfort and convenience whilst ensuring energy savings.

With a unique combination of functions, the RCU allows a full automation experience to be distilled into a single module.

This saves space in a room's distribution box, while enabling installation and programming to be completed faster.

▶ Your guest room unified.

Lighting   Music   Blinds   Curtains   Security   HVAC   Floor Heating   Metering

RCU

DLP touch panel

Door bell

Touch panel

Card holder

AC control

iFlex series

Normal switch

Hotel Management Simplified
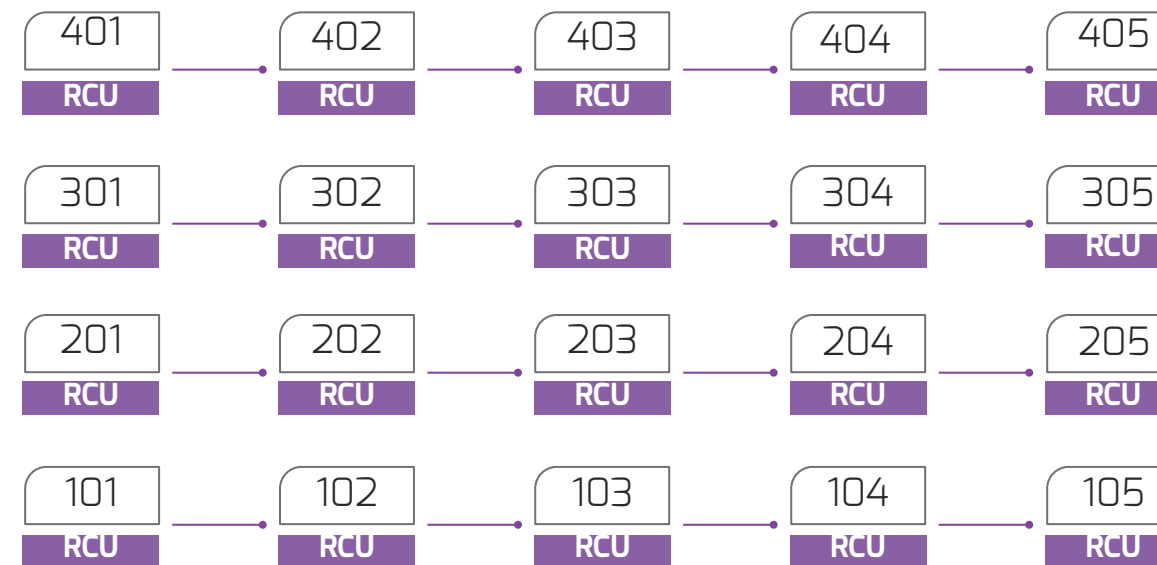
▶ Easy scalability.

HDL hospitality solutions are endlessly flexible, and can be installed throughout a hotel.

Reprogramming a single module, or an entire room can be completed quickly and conveniently.

▶ Zero maintenance.

Once installed modules need no maintenance, and are guaranteed for two years.

In the unlikely event an issue occurs, HDL will repair or replace any module for free.

HDL ®

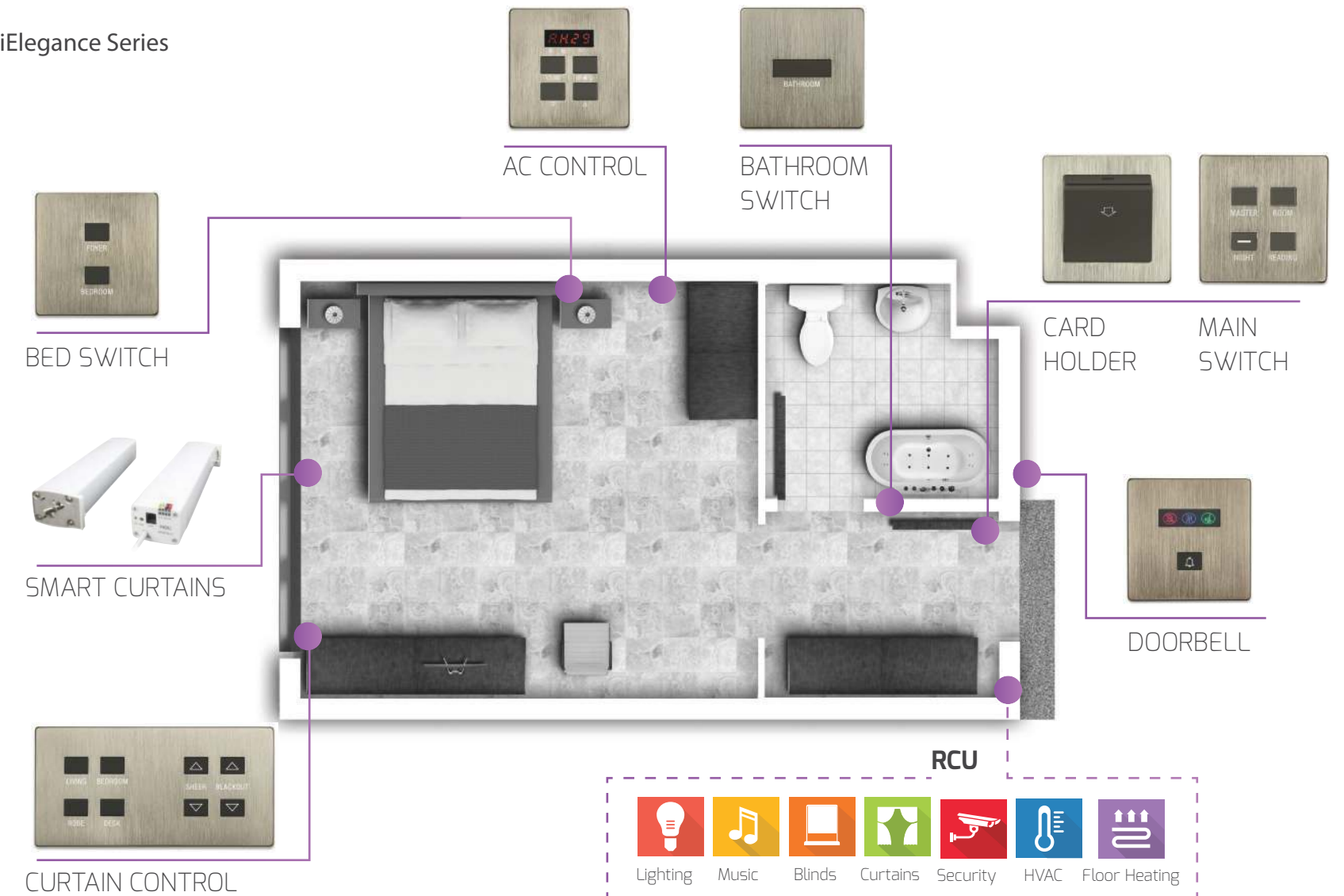| 401 RCU	402 RCU	403 RCU	404 RCU	405 RCU
301 RCU	302 RCU	303 RCU	304 RCU	305 RCU
201 RCU	202 RCU	203 RCU	204 RCU	205 RCU
101 RCU	102 RCU	103 RCU	104 RCU	105 RCU

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Solutions

SOLUTION 01

iElegance Series

AC CONTROL

BATHROOM SWITCH

BED SWITCH

CARD HOLDER

MAIN SWITCH

SMART CURTAINS

DOORBELL

CURTAIN CONTROL

RCU

Lighting   Music   Blinds   Curtains   Security   HVAC   Floor Heating

SOLUTION 02

iTouch Series

buspro

BED SWITCH

BATHROOM SWITCH

BACKGROUND MUSIC

DOOR LOCK DOORBELL

RCU

Lighting Music Blinds Curtains Security HVAC Safe

MAIN SWITCH
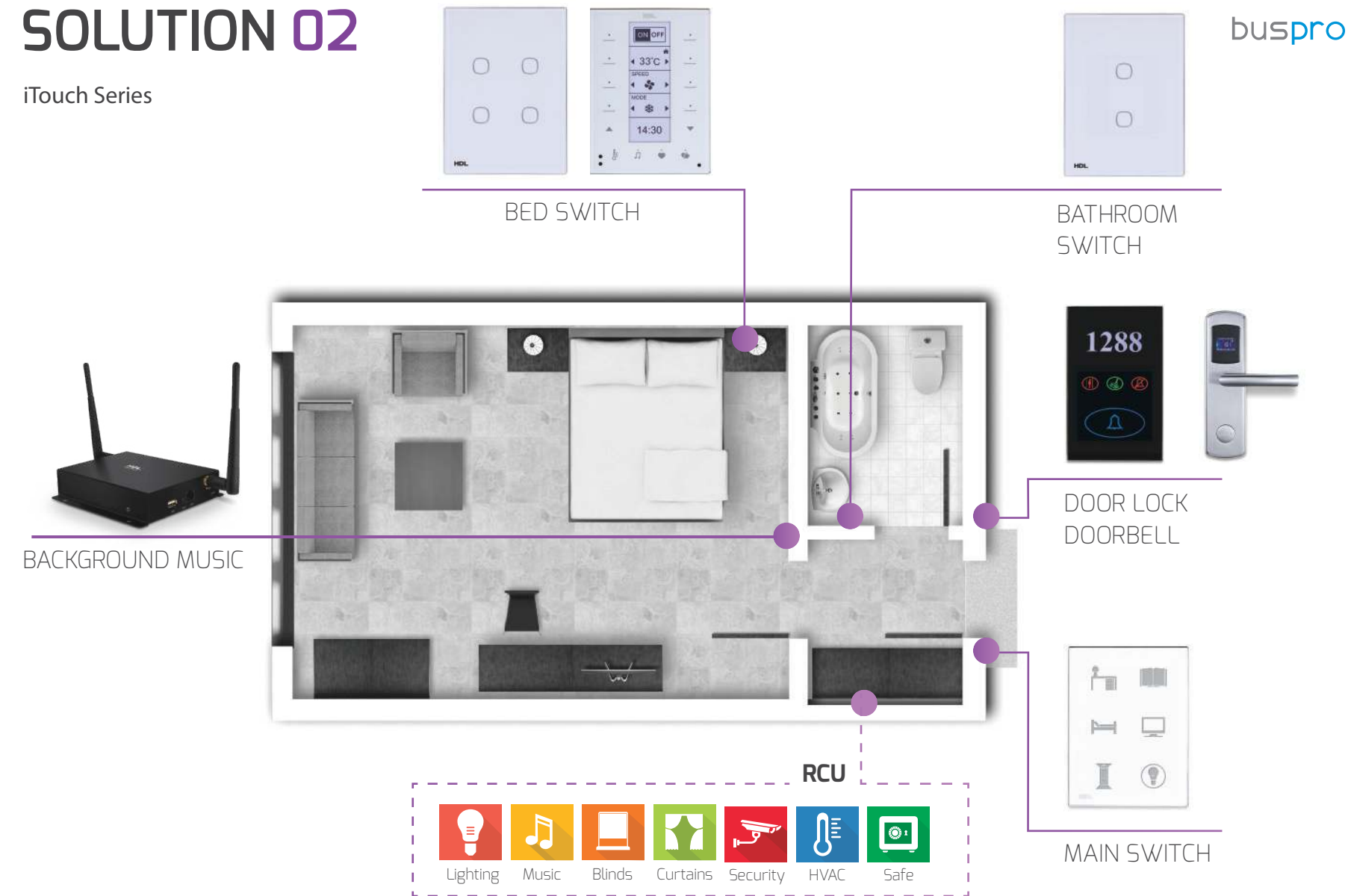
SOLUTION 03

Standard Switches + Dry Contact

buspro

BED SWITCH

BATHROOM SWITCH

RF DOOR BELL

EMERGENCY BUTTON

TV CONTROL

RCU

Lighting Music Blinds Curtains Security HVAC Floor Heating

CARD HOLDER MAIN SWITCH
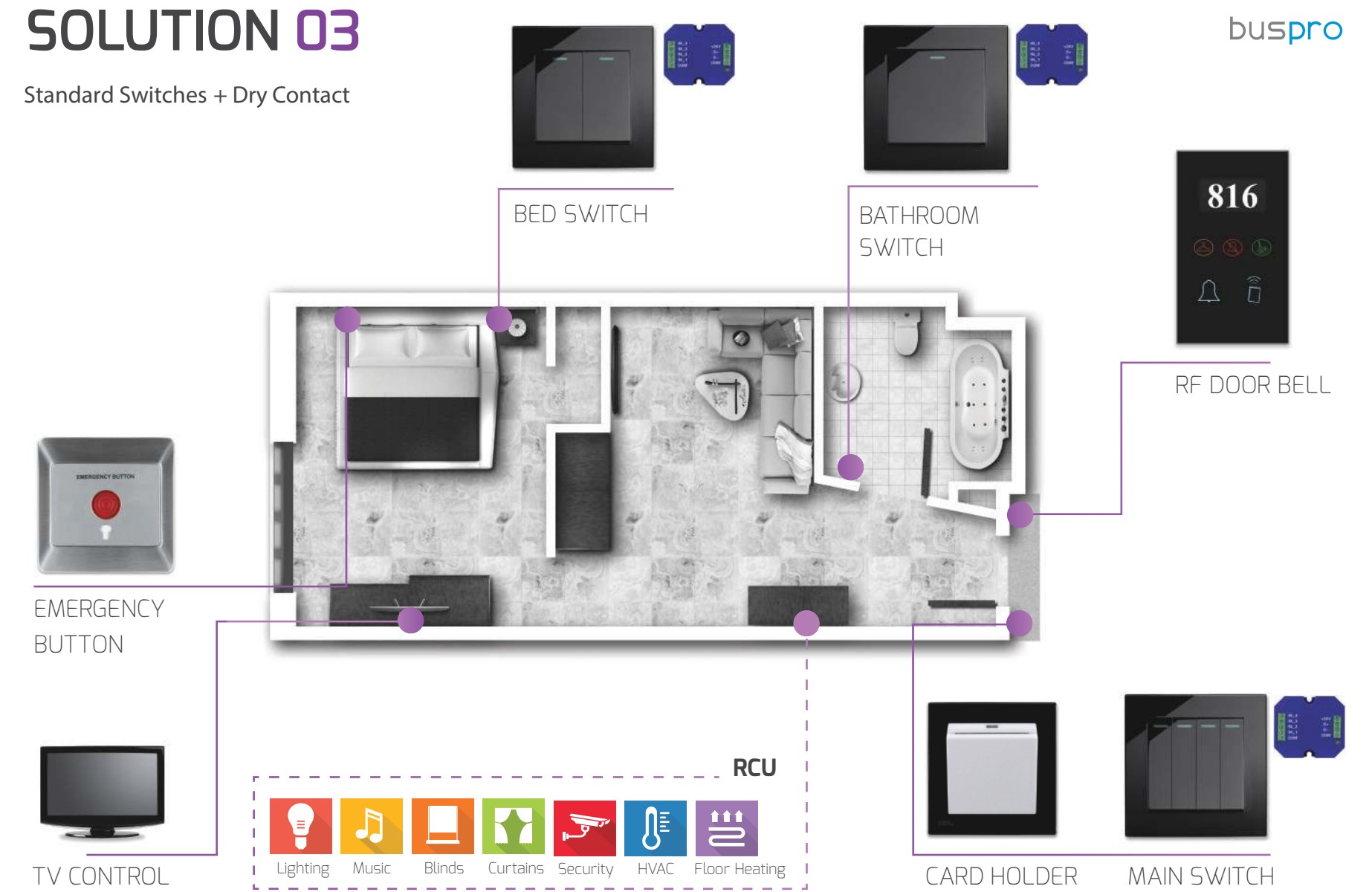
SOLUTION 04

iFlex Series

BED SWITCH

TV CONTROL

AC CONTROL

DESKTOP
SWITCH PANEL

BATHROOM
SWITCH

816

RF DOOR BELL

MAIN
SWITCH

CARD
HOLDER

RCU

Lighting   Music   Blinds   Curtains   Security   HVAC   Floor Heating

HDL ®

Since 1985