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HDL[®] | buspro



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Guest Room Trends, Functions & Features

Guest room App

Permits your guests an impressive experience by allowing them to control their guest room from a smartphone or tablet.

Welcome Mode

Create a personalized welcome mode to give a warm welcome to each of your guests. Make your guests feel as comfortable as if they are in their own home as soon as they step through the door.

Rewards Program

Our system is an innovative way to monitor and evaluate energy consumption. Through encouraging guests to use less energy they may earn room discounts.



Energy Saving Modes

Every device from each guest room can be monitored and controlled from your concierge using HDL technology with an user friendly hotel management software.

>>> More **innovative** solutions inside



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A New Guest Room Concept

| | |
|---------------------------|----|
| Guest Room Remote Control | 14 |
| PMS Integration | 16 |
| Guest Experience | 19 |
| Energy Saving Plans | 24 |
| Efficiency & Security | 26 |



▶ Experts in Hospitality Solutions

Since 1985

HDL hotel systems are designed to deliver a **holistic solution** for the individual needs of each hotel. Our 30 year history and extensive research and development team of over 70 engineers ensure our clients' needs are not only met but exceeded.

HDL is an international Chinese firm headquartered in Guangzhou that specializes in the development of patents and the manufacture of high performance products in the home, lighting, and building automation industry.

Our primary presence is in the European market, and we have adapted to their standards and qualities. This has lead us to successfully develop a global distribution network with a presence in over 80 countries.

At HDL we take pride in owning our own factory. This enables flexibility, customization, innovation, and the ability to make quick decisions. We are able to customize our products and surpass the requirements that are set forth by our customers.

BRANDS WHO TRUST US



▶ Makes it possible

Buspro is a distributed communication bus protocol based on the RS-485 standard. It enables control of all building appliances and integrated third party systems. It has the capacity to merge with other forms of multimedia and expand its system in a simplistic way.

Reliable

Buspro is 100% reliable in the transmission of all data packets between all system devices. In addition to this it uses a secure information transmission and shield system which reinforces all elements of packet transmission.

Flexible

The HDL system is flexible and able to handle from 80-270V. As a distributed system, HDL can be expanded and reduced as many times as the customer requires in a simple and effective way.

Unlimited

The possibilities to implement functionalities are unlimited. Imagine all your appliances monitored and controlled from your smart phone.

Simplified

HDL has developed a bespoke system which makes it simple to program and easy to maintain. Understanding and control for the end user is fundamental.

10 reasons why your hotel needs to be optimized



1 Guest rooms & devices
All guest rooms & devices can be monitored in real time and efficiently controlled without intruding on the privacy of customers.

3 Energy consumption
Energy consumption can be monitored in detail and energy costs decreased.

5 PMS with HDL Hotel System
Empowering your PMS with HDL Hotel System will allow your guests to control their environment.

2 Security, threats & emergencies
All security, threats & emergencies can be detected immediately and can be integrated in one facility management system.

4 HVAC solutions
HVAC solutions can provide different modes to save costs without affecting the customer experience.

6 Guest experience
The guest experience is improved through a comfortable and hi-tech living environment.

7 Wide range of operations
A wide range of operations are available and the possibilities of integrating with third party software/hardware is endless.

9 Ease of installation & flexibility
Simple and fast installation that offers the flexibility for expansion or upgrades at anytime.

8 Free design
Freedom of design lets customers tailor a system to their own requirements and design. HDL can create a versatile structure and customise its programming.

10 Standardized & certified
All products are certified and of a high standard. They meet or exceed RoHS and CE certifications.

RoHS **CE** ▶ Enabled for 80-270V.

Suitable for all kinds of hotels



Luxury Casino Hotels

Projects with a large number of guest rooms can be monitored and controlled remotely providing efficient management of all hotel guests, staff, and management.



Urban Hotels

A tailored system can be created which provides the necessary solutions needed by urban hotels. This allows the installation of individual parts that can be expanded upon request.



Resorts

Buspro can control air conditioning, pool temperature, sauna temperature and manage other hotel amenities. Buspro enables all systems to function both effectively and efficiently.



Golf Hotels

By adding unique details in each of the guest rooms, such as welcome modes or scenes hotel management can make an impression on guests who expect a personalised service.

Ideal for independent businesses or hotel chains



Spas & Pools

Spaces where water and lights are mixed add a special feeling to the environment. Buspro can be used to control lighting colour and intensity as well as monitoring the environmental conditions.



Mountain Hotels

Create warm environments and save energy resources by enabling Buspro to control central heating and floor heating for each guest room remotely from the concierge.



Small Hotels

For those hotels which would like to implement smart metering systems to provide reward programs to their guests as well as save on their energy bills.



Hostels

By providing full access control, smart metering and lighting control for guests we enable your hostel to be the number one choice for backpackers.

Case Studies



▶ Double Tree Resort By Hilton

Hainan, China - 2013

The Hilton Double Tree resort in Hainan was equipped with HDL guestroom management software, allowing the energy consumption and guestroom amenities to be controlled and monitored.



Each guest room had its lighting, AC, and curtains fully automated, with control enabled via a customized DLP panel.



▶ Sofitel Tour Blanche

Casablanca, Morocco - 2014

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 the DLP panels controlled the AC, curtains, and lighting. As well as this each room featured an emergency button that could notify the concierge if any crisis occurred.



▶ Ramada Downtown

Dubai, U.A.E. - 2014

Located in Dubai the Ramada had two requirements from HDL, LCD panels and DLP guest panels. The DLP panels were required to control the AC, curtains, and lighting in the guest rooms.



The LCD panels were specifically customised to match the carpet in the main ballroom. This customisation created a seamless blend of technology and style, which perfectly matched the atmosphere the Ramada sought to create.



▶ The Grand Ho Tram

Phuoc Thuan , Vietnam - 2012

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



They also required the Cenium PMS to be integrated with the HDL Hotel System. One innovative feature that HDL implemented was the remote check in and check out process operated directly by hotel reception. This streamlining of the process not only saves the hotel energy but also saves time for the guests.

Welcome to the future of hotel management

GUEST ROOM 216



Guest has activated the romantic scene from their smartphone:

- Lighting adjusted 30%
- Romantic Playlist on
- curtains closed 100%
- bedside lamp on.

GUEST ROOM 104



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

GUEST ROOM 312



The guest is away, energy saving mode has been launched due to the guest room being empty.

- All lights off
- Heating off
- Appliances turned in standby

GUEST ROOM 413



Business trip welcome mode launched. Curtains open, all lights on and quiet background music is launched.

GUEST ROOM 414



Cleaning and energy saving mode:

- AC off
- curtains open,
- doors unlocked,
- appliances off.

GUEST ROOM 308



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 is on. DND icon has been illuminated on the doorbell panel.

GUEST ROOM 215



A guest has obtained a 30% discount from their bill due to accumulated energy savings during their stay.

>>> Discover the new guest room concept.

Guest room remote control

► A bespoke tool made to control the entire hotel

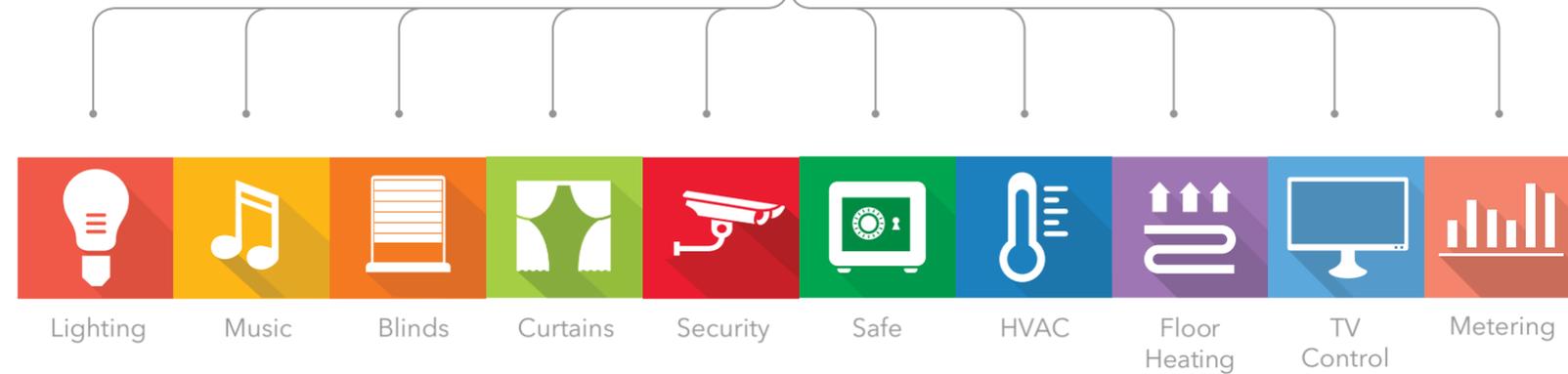
>>> A new guest room concept.



Guest room
Management
Software

▲ Concierge

▼ Any guest room



1. Real-Time Control & Monitoring

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

3. Set up preset modes

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



2. Programmable Timer Events

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

4. Integrable with your PMS system

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

PMS Integration

► Deliver quicker services

Automate all hotel procedures for your guests, enabling real-time reports, and guarantee maximum compatibility with the most popular property management systems.



CLEANING



CHECK OUT



WAKE UP CALL



LAUNDRY



VEHICLE RESERVATION



FOOD SERVICE



>>> A new guest room concept.



► Save time & avoid human error.

Guest room management software



Hotel PMS



Guest services



INTEGRATE **buspro** WITH YOUR PMS

Our experienced R&D team has enabled successful integrations between Buspro and various PMS systems by providing a trustworthy service and comprehensive support for several hotels. Check your PMS for existing compatibility with Buspro or ask our talented engineers to complete the integration for you.





>>> A new guest room concept.

Guest experience

► Guestroom App. Discover & Download

 **ENTERING THE ROOM**

► Impress your guests with customized Welcome Modes

 **CHECK IN**

After a guest has completed checking in, the system will launch a "Welcome Mode Scene". When the guest arrives in their room a personalised warm welcome with tailored amenities is launched.

The administrator can create an almost infinite number of Welcome Mode profiles. Some popular profiles are:

- Business Trip
- Family
- Couple
- Wedding



Temperature

The AC will be turned on adjusting room temperature before the guest arrives, cooling or heating as required.



Music

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



Lighting

The lighting and curtains in the room can be adjusted by the selected welcome mode.

1. Discover the QR



Find the QR code which is usually located by the side of the TV or in a special area of the guest room.

2. Scan the code



Simply scan the QR code with your smartphone or tablet.

3. Download the App



From your app store or applications shop download the compatible version for your smart device.

4. Successfully connected



By entering your personal information and your room number connect your smart phone or tablet with your guest room RCU.



Guest experience

▶ Guestroom App Functions

EXPERIENCING THE STAY

3. Full Guest room Control

Using the touch of a finger set the ambience for the guestroom by controlling all of its features individually or through default scenes such as: Reading /Romantic / Relax / TV / Bathroom Night / Etc.



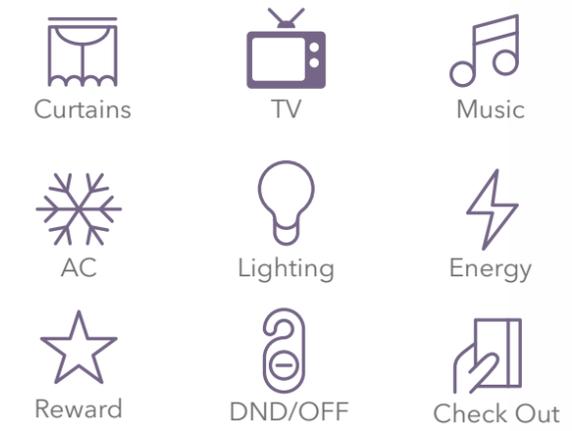
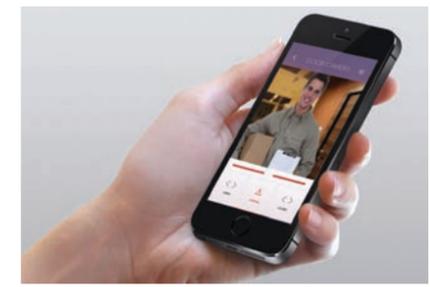
▶ Once the Guest Room App is installed, guests are ready to enjoy:

1. Virtual Concierge

Guests can access this function quickly and receive an effective response, by sending out service requests directly from their smart phone through the virtual concierge tab.

2. Visual Door Bell

Never miss an important visit or be afraid of an unexpected visitor knocking on your guestroom door. With the help of the Guestroom App, guests can use their personal devices to watch in real-time the image streamed from the camera installed in the door bell to their smart phone.





>>> A new guest room concept.

Rewards program

► Rewards program



► Intelligent switches

 EXPERIENCING THE STAY



No matter if your guests are tech-savvy or Luddites HDL offers a wide range of switches. From elegant intelligent switches to the Buspro classic switches, HDL provides a simple intuitive control interface for the end user.



Reward your saver conscious guests with discounts

Set up a reward program through the Guest room App. The smart metering functionality can be used to monitor in real time the energy consumption, and motivate your guests to save energy during their stay.

Once the guest has checked-out through their smartphone, they can exchange the credits for

rewards or discounts off their final bill. This conscious concern and compromise is an effective way of looking after the environment in a friendly and economical way for both the hotel and the guest.

Energy saving plans

► Defining strategic energy saving modes

HDL helps hotels to save energy efficiently. This benefits both the guests and saves energy resources by controlling different running modes without compromising the quality of your hotel's services.



EMPTY MODE

Automatically turns off all the electrical appliances, lights and AC. This avoids forgotten devices that are still left on that waste money and drain energy resources.



PRESET MODE

HDL can be programmed for AC, ventilation and multimedia systems. This creates the desired atmosphere for special events or special times. It can even be used to deactivate electrical appliances after the arranged check out time has been reached.



OCCUPIED MODE

The system will increase the room temperature during a certain period of time to achieve energy saving levels according to the hotel's energy saving needs.



GUEST AWAY MODE

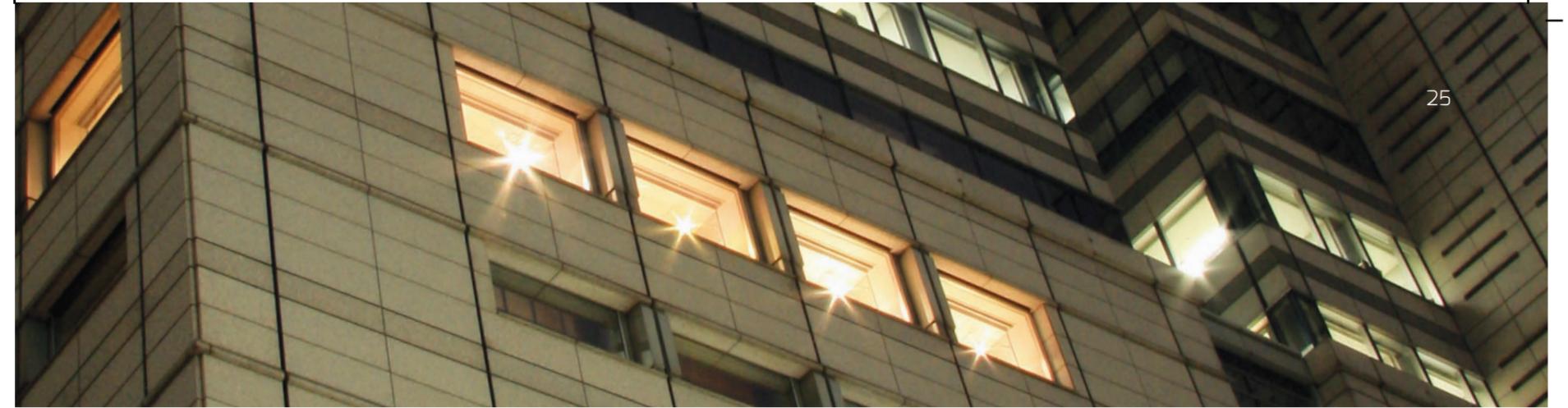
The system will turn off the AC and other electrical appliances. However all devices, including lighting, AC and curtains, will return to their original status automatically as the guest comes back or puts the key in the door.



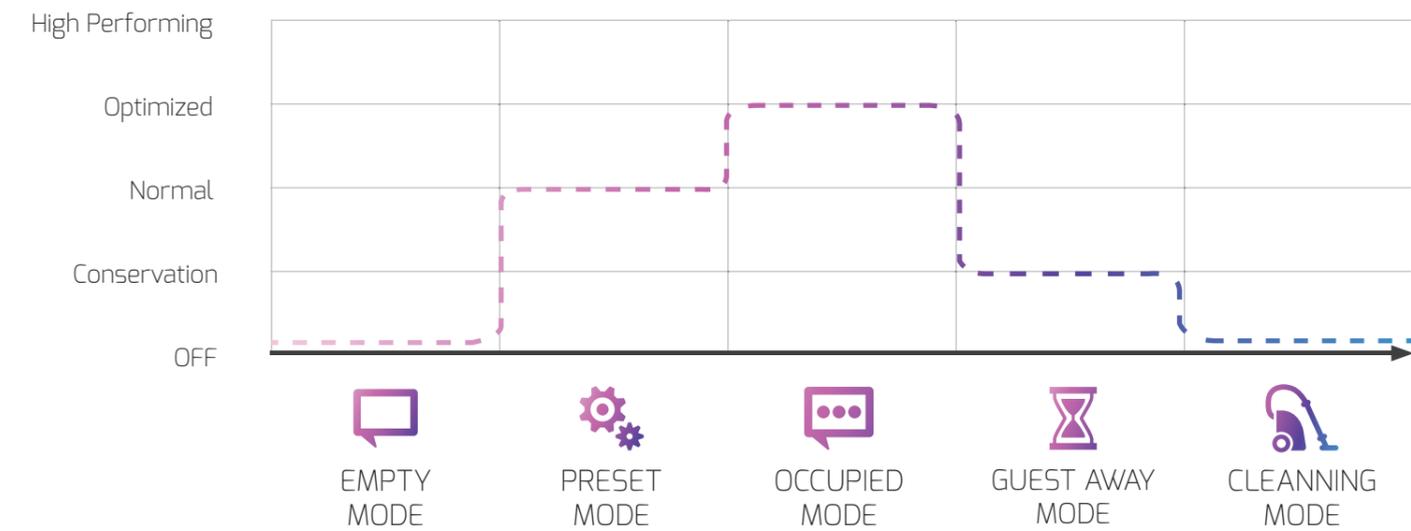
CLEANNING MODE

During cleaning mode the AC is turned off as are all electrical appliances. The essential sockets that are utilized by hotel staff for cleaning remain active ensuring optimum energy savings.

>>> A new guest room concept.



► Energy Consumption vs. Running Modes



Efficiency & Security

► Provide efficient service and absolute peace of mind in your hotel facilities.

>>> A new guest room concept.



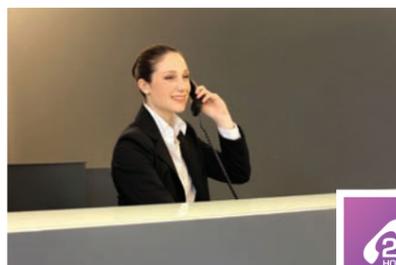
► Human resources managed intelligently

Using HDL Guest room Management Software, the hotel staff can focus on guest experiences and hotel necessities. Having all the control managed by user-friendly software from concierge, the whole hotel can be monitored remotely ensuring hassle free operation.



► Avoid oversights

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



► Drive excellence to your customer service

Empower your PMS with HDL. A popup will instantly appear on your screen if a guest makes any service request. This together with a room status indicator ensures you will never miss a guests order.

This processing system is simple, effective and faster on delivery. With HDL your service will exceed your guest expectations.



► A quick reaction can save lives.

Many situations may occur inside your hotel. In an emergency a quick response is essential. With the guest emergency button one touch can immediately alert the concierge to the situation.

Full Range of Hotel Products

| | |
|-------------------------------|----|
| Specially designed for hotels | 29 |
| Solutions | 35 |
| Software | 37 |
| Hotel Wiring Schematic | 39 |

Specially designed for hotels

HDL provides a series of switches specially designed for hotels which can perfectly suit any décor or ambience. Furthermore, our factory sets us apart from our competitors, by enabling us to provide customized designs and specialized materials that exactly meet the requirements of our clients.

EU Standard

Range of 8 different panels available

iElegance Series



DLP Touch Panel



DLP Touch Panel

Elegant touch panels with a seamless glass finish enable the guest to have full control over the functions and scenes in their room. HDL also provide the ability to customize the panel's icons and front-face layout with hotel branding such as logos or corporate colours.

- | Up to 7 different pages
- | RGB LED color per button
- | Customizable icons, labels and fonts
- | 4 shortcut buttons
- | Proximity sensor
- | Selectable language
- | RGB+W control
- | Customizable front-plate

Trend Switches

Customized to your requirements

iTouch Series

US Standard

Available in 2/4/6 buttons

EU Standard

Available 1/2/3/4 buttons



Customizable front glass, icons and fonts
2 selectable RGB LED status indicators

Trend Switches

Our Series



iScenes Series

Switches specially designed for dimming and a wide selection of scenes and functionalities. The iScene series is available in 1/2/5/7/12/14/15 button combinations as well as customisable materials and plate colours.



iChrome Series

Delight your clients not only with the high-end quality in this series, but also through the use of illuminated custom engraved buttons.

Trend Switches

Switches Series



iFlex Series

The iFlex series gives the advantage of easily replacing the button labelling as many times as the client desires, as well as changing the functionality of the buttons by software. These switches are highly versatile and adaptable, they are available in 2/4/6/8 button combinations as well as customisable materials and plate colours.



iSense Series

Refined yet avant-garde at the same time, the iSense series makes it possible to control a large number of functions and features that the client may demand in an intuitive and graphic way. This series is available in 2/4/6/8 button combinations as well as customisable materials and plate colours. It also has the option of engraved icons.

Specific Switches



Card holder

Insert the room-card to activate power in the room. When the room card is removed the electricity will go off after a time preset by the guest.



Emergency button

If the emergency button is pushed, it will instantly send an alarm signal to reception alerting them that a customer may have an emergency situation.



Trend Switches

Trendy Background Music Solutions



HDL Music Box

The HDL Music Box gives a stylish touch to every guest room. Its elegant glass panel is able to control your background music, choose your music source or even select a playlist.



Z-Audio

Z-Audio is able to provide a holistic audio solution, allowing a user to stream content from the internet, or from a local computer. In addition to this the module boasts an FM radio, a SD card slot, and can be controlled directly from any DLP or iOS /Android device.



Doorbell Solutions

Doorbell with LED status indicators & NFC System

Thanks to NFC the days of guests losing their key cards or room keys is over. By simply placing their smartphone on the doorbell they can have instant access to their room. When checking out the doorbell is remotely reprogrammed for the next new guest.

Doorbell with LED status indicators & RF ability

With electromagnetic closures there is no need for guest room door locks. By simply swiping the room-card on the surface of the doorbell, the system will enable access to the room.

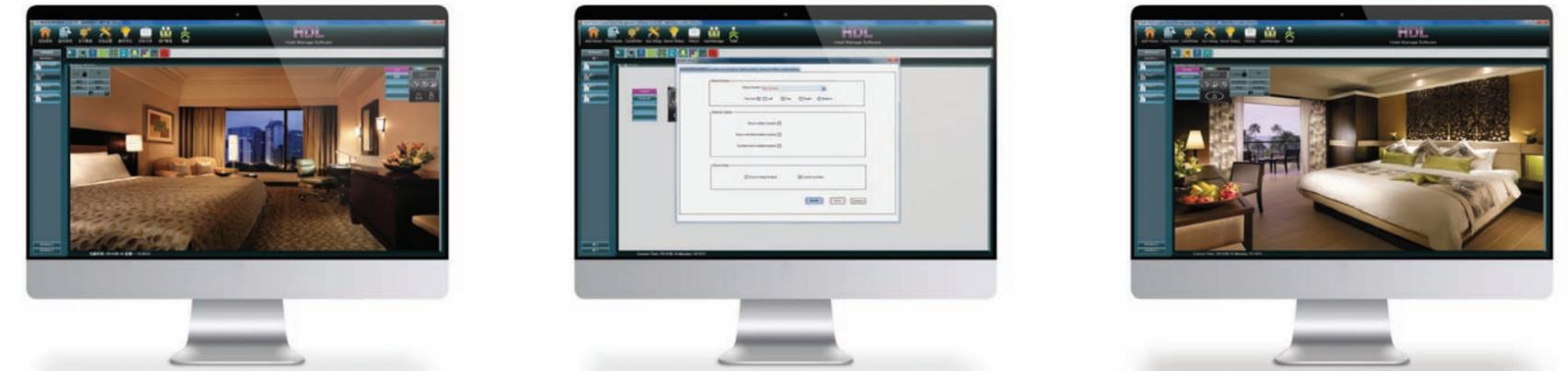
Doorbell with LED status indicators

This doorbell integrates with the card reader to lock the door and display the room number. It has three LED status lights that indicate DND, cleaning, or laundry. It has a high-end glass construction that gives a ceramic quality finish.



Solutions

Guest room management software



Operate your hotel with this reliable database system which can control nearly any device in each guest room. Using icons and a model that simulates the guest room you are able to intuitively understand the program. Its user-friendly design lets the user create and edit preset energy saving modes for guest rooms and check the security status of each room. This software also provides ID Access Control for its use as well as data backup and a system restore function.

What is RCU?

▶ All devices interconnected

Room Controller Unit

The RCU is responsible for simplifying connections in complex installations. It serves as a bridge from the guest room to the concierge management station.

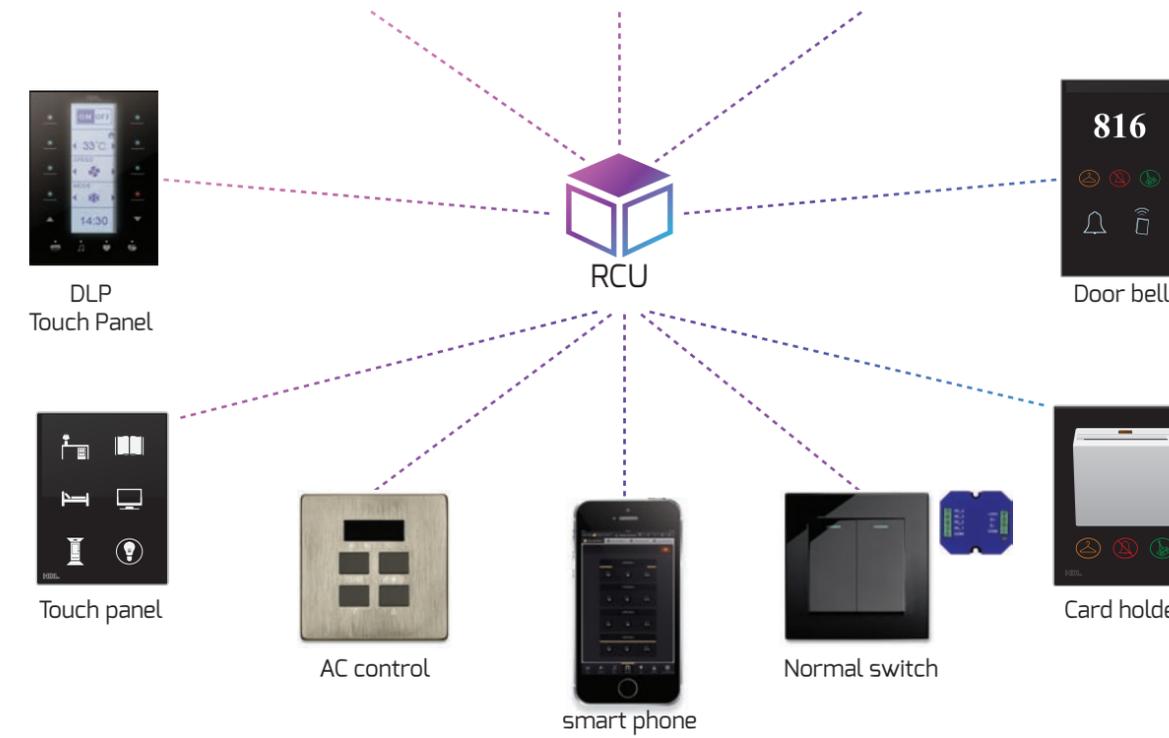
In each guest room the RCU ensures an independent, efficient, energy saving environment.

In every RCU you will find the necessary electrical modules that connect the guest room features to the HDL Guest room Management Software.

Through the RCU all appliances are connected creating a centralised and simplified processor unit. This unit is then wired to the intelligent panels giving unparalleled control to the guest.



Guest room wiring schematic



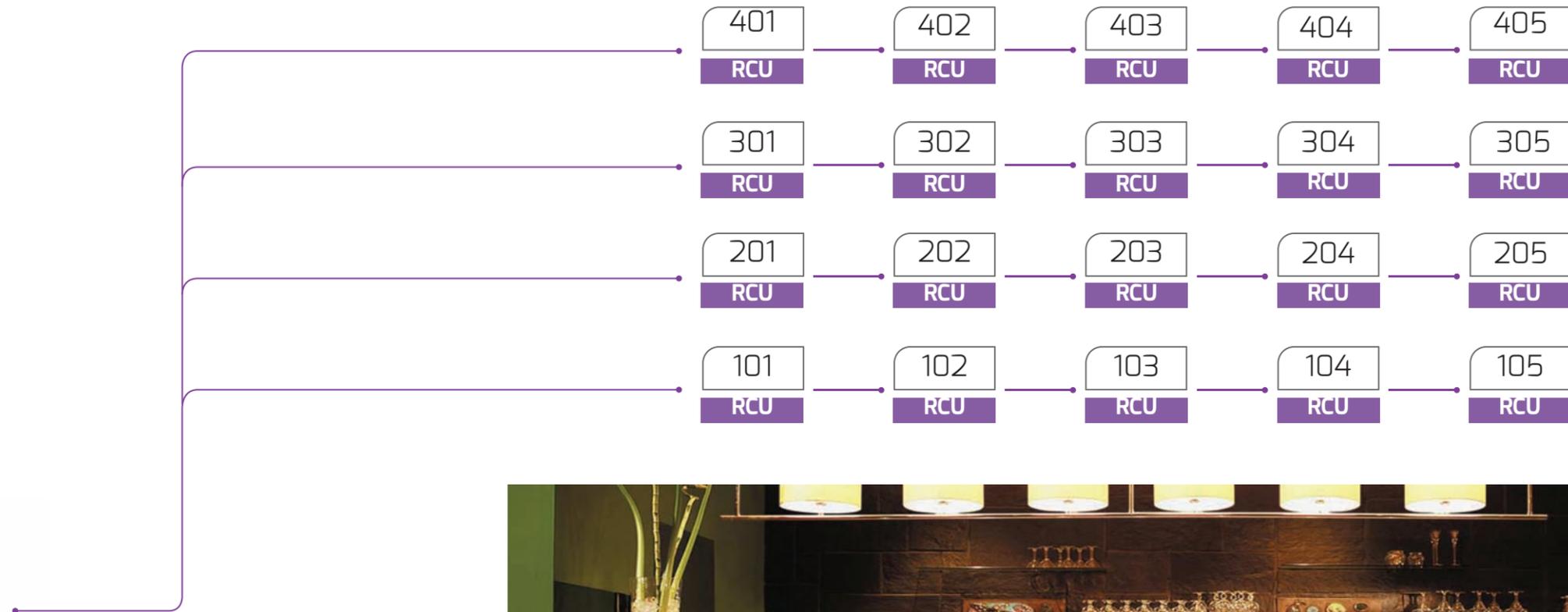
Hotel Wiring Schematic

► Easy Scalability

HDL systems provide great flexibility and are able to extend throughout your hotel. Reprogramming guestroom functions is convenient and maintenance is uncomplicated.

► Simple Maintenance

HDL offers holistic solutions oriented towards energy saving, guest experiences and efficient management. Automatize all that your hotel provides with the unmatched advantage of controlling each device in each guest room from your concierge.



Burn Calories,
Not Electricity

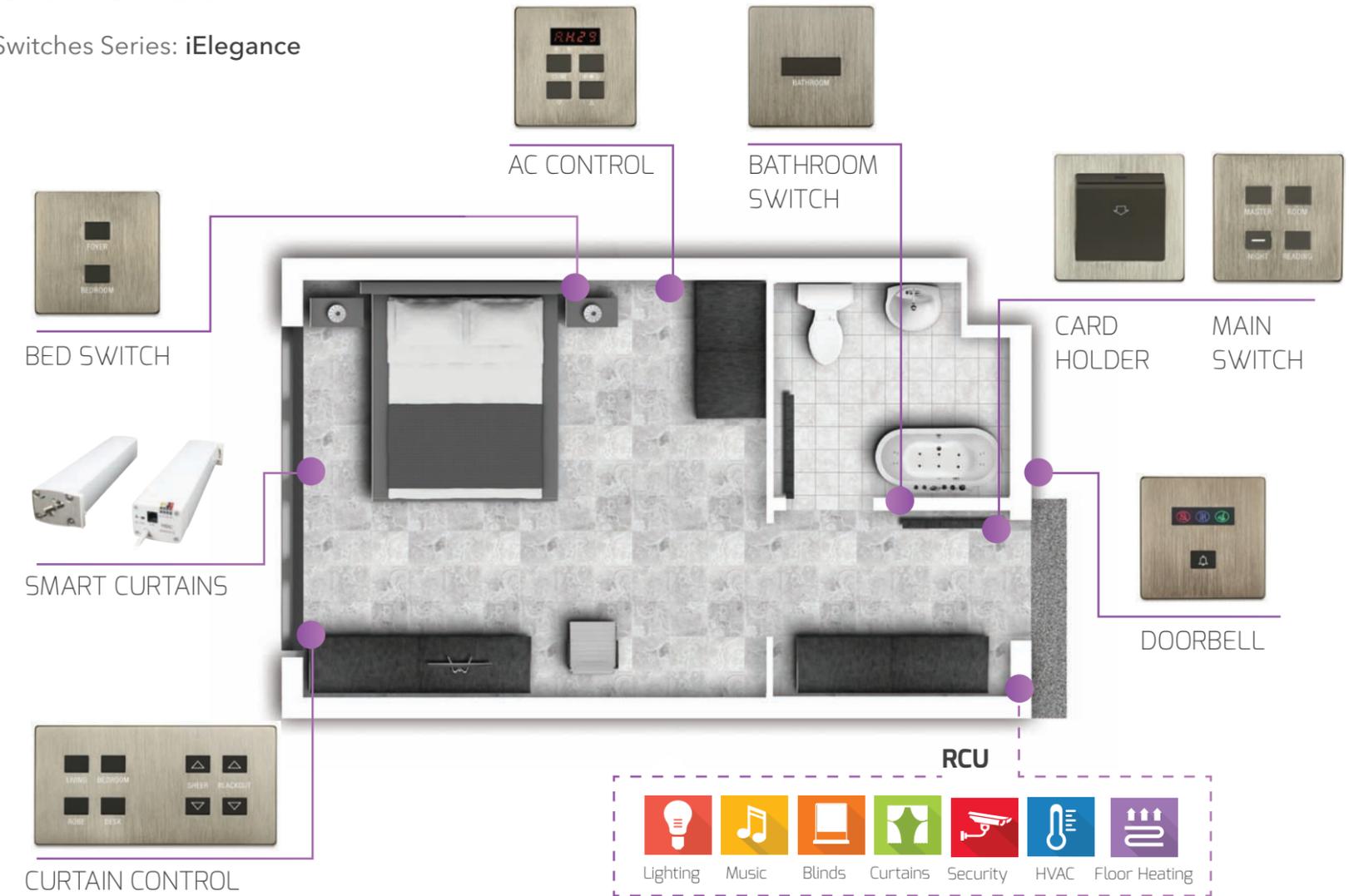
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GUEST ROOM
SCHEMATICS



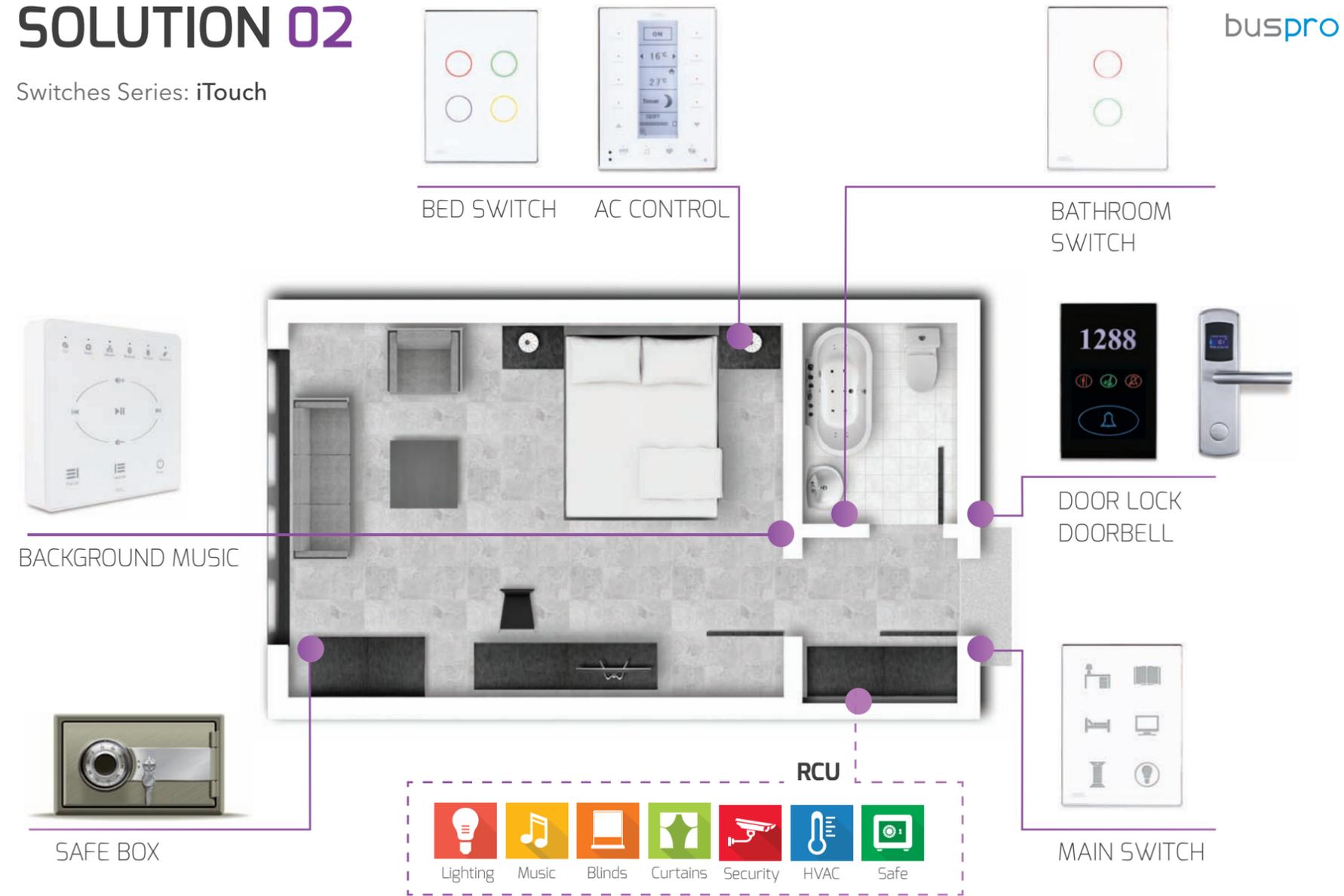
SOLUTION 01

Switches Series: iElegance



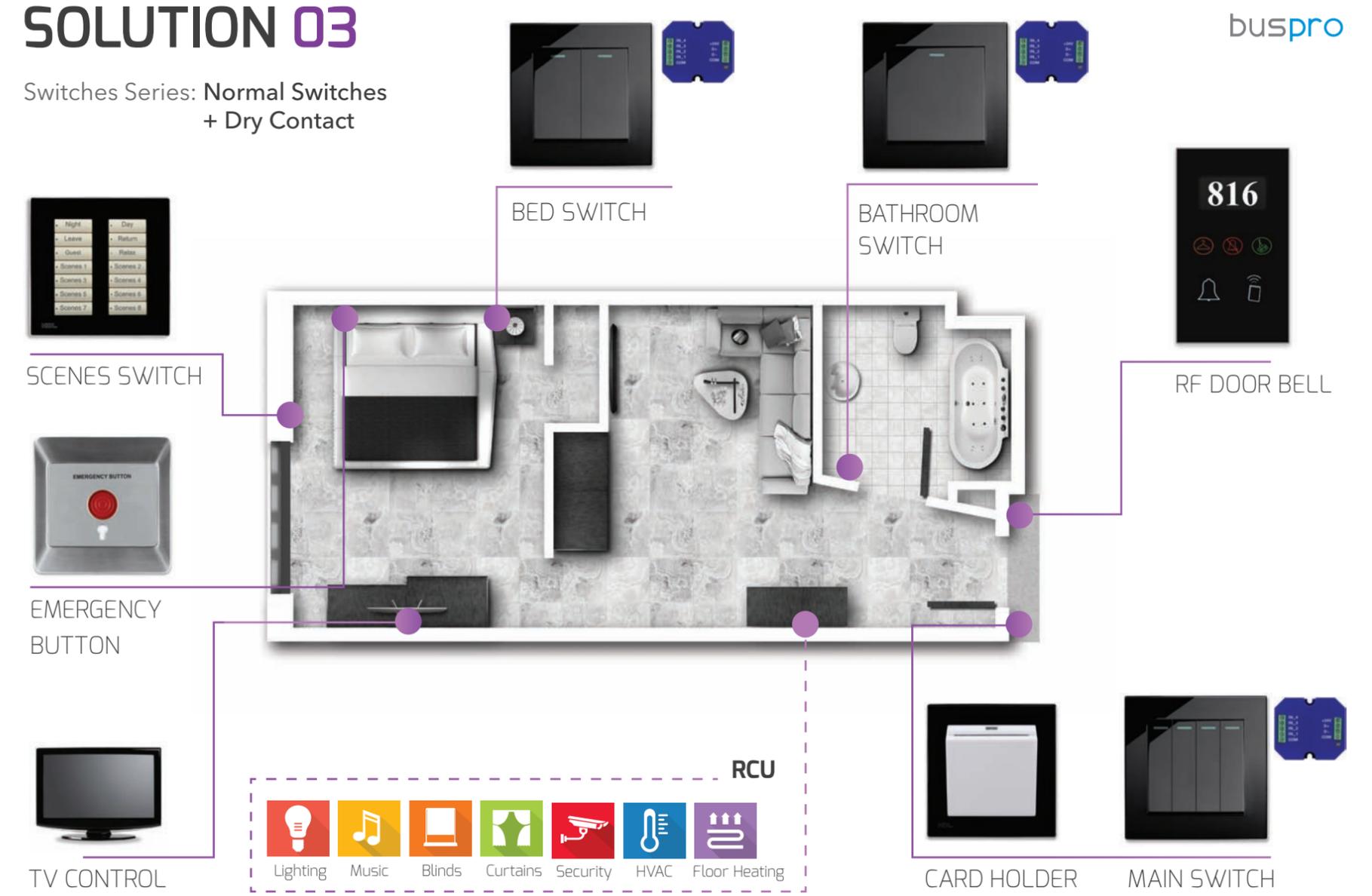
SOLUTION 02

Switches Series: iTouch



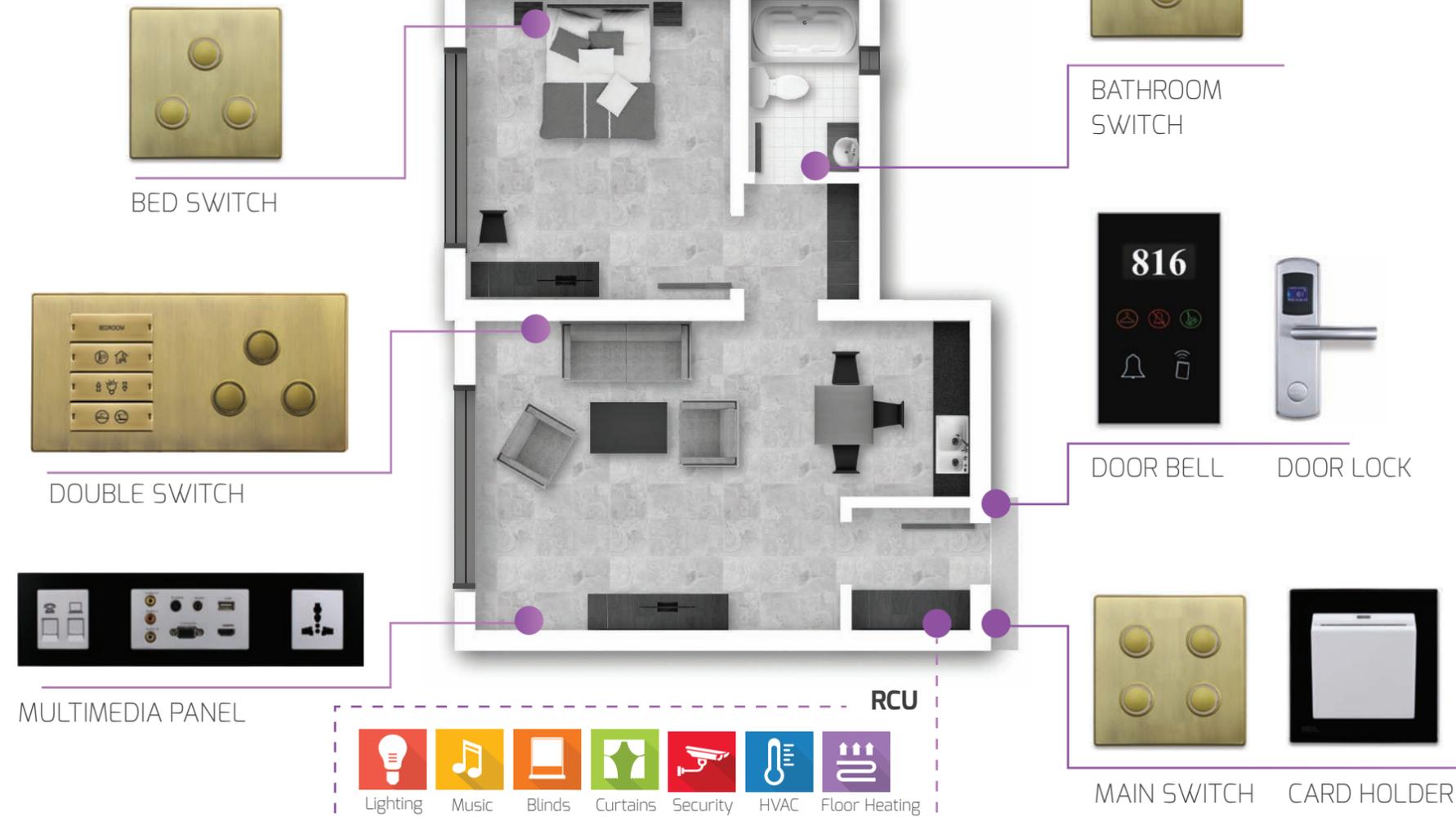
SOLUTION 03

Switches Series: Normal Switches + Dry Contact



SOLUTION 04

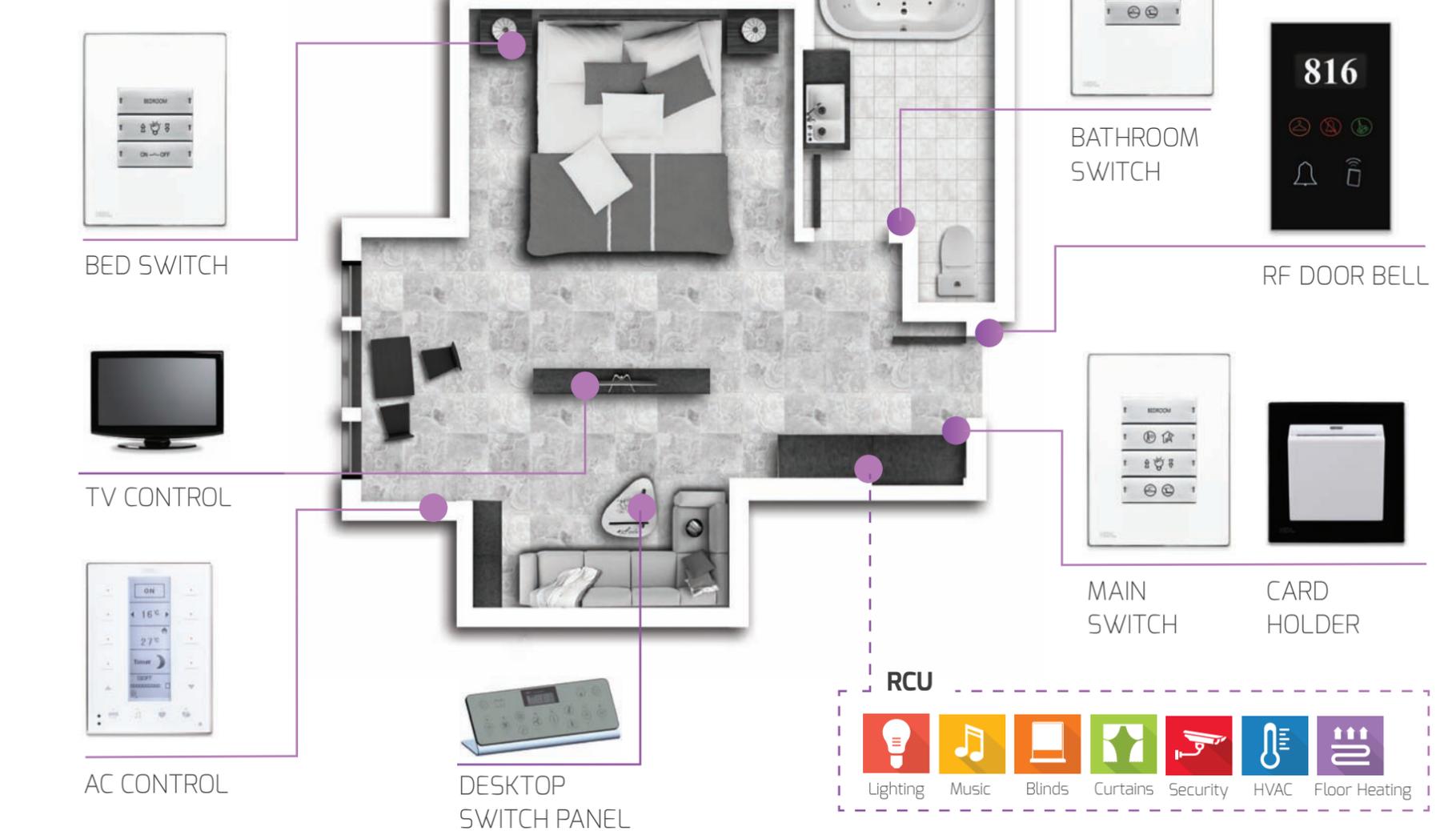
Switches Series: iSense



buspro

SOLUTION 05

Switches Series: iFusion



buspro

