GUESTCONTROL™ AUROCO™
Smart Energy Management Solutions
for Small & Medium Size Hospitality Properties

The Revolutionary Guestroom Energy
Management Solution of the Next Generation

GUESTCONTROL™
The Choice Of Excellence

GUEST CONTROL SYSTEMS LIMITED

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www.guestcontrol.net

INTRODUCTION

Guest Control Systems Limited offers world-class Smart Hospitality Guest Room Management Solutions to enhance guest experience to global hoteliers.

Our advanced technology delivers seamless in-room experience to hotel guests allowing guests to control room devices individually inside each hotel room. Guests can enjoy personalized experience through the full control on all lighting, curtains and temperature though the innovative switch panels, customized mobile Applications or using voice activated command. Guests can enjoy real comfort and convenience with smart control and scenario functionality while enhancing hoteliers brand visibility, improve staff productivity, reduce energy consumption and lower operational expenses. Our highly flexible and reliable room control system is customizable, meeting every unique requirement and hotel interior décor, providing new guest experience and enhance guest satisfaction.

Hotel operators can manage and monitor the real-time status of each guest room status on a centralized platform dashboard. Guest Control Systems Limited Smart Room Management System drives greater hotel efficiency and simplifies overall operational procedures.

System overview

GUEST CONTROL SYSTEMS LIMITED AUROCO ™ Smart Energy Management System offers powerful, scalable, versatile and user friendly solutions that delivers real-time operational transparency across your property enabling you to deliver enhanced guest experience while improving staff efficiency, reducing energy consumption and carbon footprint at lower investment cost.

GUEST CONTROL SYSTEMS LIMITED AUROCO ™ Smart Energy Management System unique design using touch screen, wired or wireless technology allow easy implementation for new and refurbish property. It can start with a simple system that eventually upgraded to cater for more functions. The system software integrates with other systems such as HVAC and PMS, giving real-time visibility in one intuitive centralized maintenance administrative dashboard to streamline operations and improve guest services.

With technological advances, guests expect more when they stay in a hospitality property. GUEST CONTROL SYSTEMS LIMITED AUROCO ™ Smart Energy Management System is able to deliver more than expected in term of service and satisfaction. This will in turn, improve guests' retention and helps drive higher revenue for the hospitality property. The feature rich and energy saving capability, GUEST CONTROL SYSTEMS LIMITED AUROCO ™ Smart Energy Management System make it a 'must-have' for all modern hotels, service apartments, guest houses, hospitals, condominiums and cruise ships. A unique solution that make your property a destination to remember.

Added Value & Benefit

· Energy saving
· Simplicity
· Reduce costs
· Wired or Wireless
· Brand enhancement
· Customize design
· Centralize and mobile control
· Latest technology (wireless touch screen panel, IOT and AI driven)
· Suitable for new and refurbish property
· Ease−of−installation, use and manage
· Affordable cost

Other Application Areas

· Hotels
· Service Apartments
· Senior Citizen Condotel
· Hospitals
· Guest Houses
· Condominiums
· Wellness Centre
· Cruise Ships

Optimized Hotel Performance Gratifying Guest Experience

Touch Screen Door Panel display in-room status such as Do Not Disturb, Make-up Room, Laundry, Please Wait and Checkout will enable hotel staff to deliver better services.

All room can be monitored from a centralized intuitive maintenance administrative dashboard allowing the hotel management to be aware of who is accessing which room at what time and the room status. Monitoring can also be done on in-house engineer and house keeper mobile devices.

The in-room controls can be tailor-made to fit the design and interior décor of the hotel.

Controlling the room environment via wireless touch screen switch panels with customizable icons and wallpapers give the guests more choice and flexibility. Wireless touch screen switch panels allow easy implementation for both new and refurbished hotels.

Reduce energy consumption in guest rooms by turning down systems when rooms are unoccupied, automating heating or air conditioning to turn off when a balcony door or window is open, and letting guests personalize the room environment.
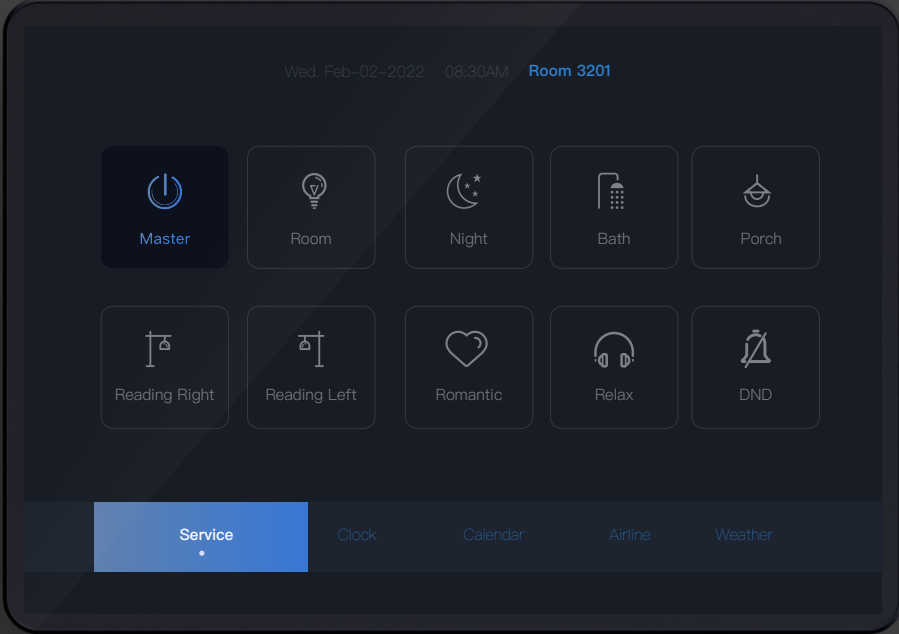
Touch screen panel can be custom designed to suit hotel chains and OEM partners requirements. Traditional switch panel option can also be applied depending on customers preference.

Voice recognition and control allows guestroom temperature, lighting, curtains and other services to be controlled by voice command.

Cloud applications enable flexibility and enhance performance.

Wed, Feb-02-2022   08:30AM   Room 3201

| Master | Room | Night | Bath | Porch |
| Reading Right | Reading Left | Romantic | Relax | DND |

Service   Clock   Calendar   Airline   Weather

SOLUTIONS AT A GLANCE

· Wired or Wireless Touch Screen Energy Management Controller
· Wired or Wireless Touch Screen Switch Panel
· Wired or Wireless Traditional Switch Panel
· Mobile Energy Management & Control Applications
· Programmable Touch Screen Door Display Panel (Wired)
· Centralize Intuitive Maintenance Administrative Dashboard
· Artificial Intelligence (AI) Applications with Multi-Lingual Voice
   Recognition and Control
· Face recognition
· Door lock integration
· Digital journey mobile applications
· Cloud Applications

GUEST CONTROL SYSTEMS LIMITED is committed to providing an outstanding guest experience and enhancing employee satisfaction with smart energy management technology while maximizing operational and energy efficiencies.

Energy Optimizer

GUEST CONTROL SYSTEMS LIMITED AUROCO™ Smart Energy Management System continuously monitor all controllers, peripherals and alarm. Turning on guestroom temperature, lighting and drape when necessary, making the hotel environment more energy efficient, reducing carbon footprint and cost.

Each room can have its own independent temperature profile and can switch off automatically when the window is opened. An intelligent key card, upon insertion into the holder will energize the room. Selected lights can be set to switch on when the guest enters the room to create a welcome environment. It turns off automatically when the guest remove the key card. In the room, the guest can take over control the lighting condition manually via the touch screen switches or smart devices.

Get automatic notifications if rooms become overheated, undercooled or exceed humidity targets. Sensors embedded in the room control system measure in−room temperature and humidity, sharing information via intuitive maintenance administrative dashboard and notifying staff instantly when there is an issue. Turn the HVAC off automatically and be informed directly via the dashboard if a guest opens the balcony door or window in their room.

For the hotel management, GUEST CONTROL SYSTEMS LIMITED AUROCO™ Smart Energy Management System gives a remote overview and total control of all the room system settings, which can be centrally adjusted as required via the intuitive maintenance administrative dashboard or in−house smart devices.

Features & Functions

The core of the GUEST CONTROL SYSTEMS LIMITED AUROCO™ Smart Energy Management System is the Room Management Controller (SRMC). It is assigned the most important function within the integrated system. It communicates with both the peripheral devices in the guestroom as well as interface to some other technology sub−system such as HVAC and PMS.

All−important room parameters are pre−program in the Room Management Controller (SRMC) and can no longer lost after system commissioning. This guarantees full functionality of the local room functions even without network connection.

The programmable touch screen wall plate outside the room can display **DO NOT DISTURB**, **MAKE−UP ROOM, PLEASE WAIT, CHECKOUT AND BELL**. More options can be included, if needed.

Upon opening the door, a dim light will be on at the entrance to provide visibility to insert the key card. The room will automatically set to its welcome environment upon insertion of the key card. Other scenes to match different activity or mood can be pre−program during installation.

Inside the room, the environment and mood scenario control can be done via the touch screen switch panels or from smart devices.

Sensor will automatically activate bathroom and night light for the guest convenience at night.

SOS feature button in the bathroom make the guest feel more secure during their stay in the hotel.

System Architecture

The Room Management Controller (SRMC) in each room is connected via a network of structured cabling systems and fibre to the centralized intuitive maintenance administrative dashboard, where it monitor, manage and control the room status.

The Room Management Controller (SRMC) integrates with all important room functions, such as access control, room air conditioning control, energy management, drape control, lighting scenario, alarms, voice recognition, Face recognition, etc. into one integrated system. It communicates with both the peripheral devices in the guestroom as well as interface to other systems such as HVAC and PMS.

The centralized intuitive maintenance administrative dashboard can even handle the shutdown of certain hotel floors or even the entire wings during the off season by setting them to a special building protection mode to save energy without risking the damp from frost in the unused sections. Controls can also be managed via in-house engineers or housekeepers mobile devices.

PMS Interface

It is an intelligent platform that understand how to communicate with a range of external technology sub-systems such as HVAC and PMS. GUEST CONTROL SYSTEMS LIMITED AUROCO™ Smart Energy Management System has been developed specifically to be simple and intuitive in use.

The system integrate with most PMS systems, including Oracle Opera and many others. This in combination with touch screen technology, make life easier for the user of the system and its simplicity means that the training times are very short.

GUEST CONTROL SYSTEMS LIMITED Offers 2 MAIN TYPES OF ROOM CONTROL UNIT (RCU):

SINGLE BOARD VERSION

Single-board room control unit (RCU) is a complete RCU built on a single circuit board, with microprocessor(s), memory, input/output (I/O) and other features required of a functional room control unit. Single board room control unit is more economical and is suitable for small and medium size properties, where future expansion is limited.
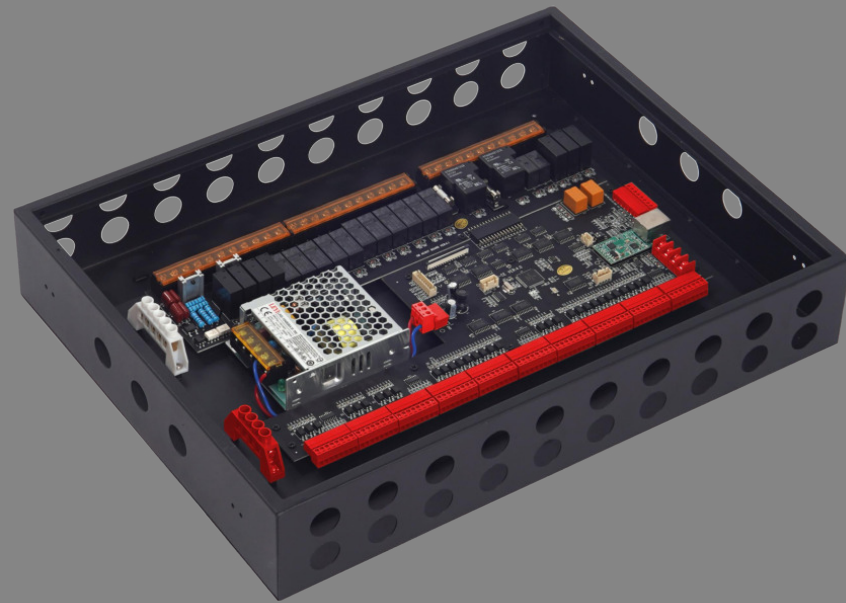

SINGLE BOARD
ECONOMY RCU

GUEST CONTROL SYSTEMS LIMITED AUROCO-2800-SBEM ECONOMY RCU is low capacity smart guest room control unit that enable temperature, lighting, drape, bedside panel and tablet with integration to smart door lock, voice recognition system, guest optimization applications and property management systems.

With guestroom analytics, occupancy-based energy management and intuitive guest facing technology, the hotel operator can manage individual room, or the entire cluster of rooms to drive energy efficiency, monitor alarms, perform proactive maintenance and improve operational efficiency, while the guest can enjoy exceptional comfort and convenience.

The AUROCO-2800-SBEM has the following specifications:

· Single board RCU complete with enclosure
· 10 channels 220V/16A AC output
  （use for lighting and drape control)
· 2 channels 220V /30A AC output

（ use for power socket and high power lighting ）
· 18 channels low voltage output
  (switch backlight/room number/WAIT/MUR/DND/door bell)
· 24 channels low voltage control input
  (switch/door bell/door magnetic contact/cabinet magnetic contact/infrared sensor/key card insert)
· 1 channel 485 communication bus
· TCP/IP100M gateway communication
· The host can be re-connected to the network instantaneously when the network is disconnected
· 4KB Memory storage capacity
· Use squirrel-cage power supply casing with wide voltage input (85V ~ 277V)
· No-load power consumption <0.3W
· Over-voltage and over-load protection
· Deploy Omron high anti-surge and moisture-proof relays with maximum current of 16A and a service lifespan of more than 100,000 times
· Low heat generation with fast heat dissipation

SINGLE BOARD STANDARD RCU

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−SBSM STANDARD RCU is a high capacity smart guest room control unit that enable temperature, lighting, drape, bedside panel and tablet with integration to smart door lock, voice recognition system, guest optimization applications and property management systems.

The AUROCO−2800−SBSM has the following specifications:

· Standard single board RCU compete with enclosure
· 11 channels 220V /16A AC output（use for lighting control）
· 4 channels 220V /10A AC output（use for lighting and drape control）
· 3 channels 220V /10A AC output
  (use for HIGH, MIDDLE AND LOW wind speed control of coil air conditioners)
· 2 channels 220V /10A AC output
  (use for coil air conditioner HOT AND COLD solenoid valve control)
· 2 channels 220V /30A AC output（use for power socket and high power lighting）
· 2 channels 220V /1A AC thyristor voltage and dimming output
· 28 low voltage backlight control output
  (switch backlight/room number/PLEASE WAIT/MUR/DND/door bell)
· 32 low voltage dry contact control signal inputs (switch/door bell/door magnetic
  contact/cabinet magnetic contact/infrared sensor/key card insert)
· 2 channels 485 communication bus
· The network adopts TCP/IP100M gateway communication and can be connected to the host
  instantaneously when the network is disconnected
· Memory storage capacity is 4KB

SINGLE BOARD DIMMING RCU

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−485D 485 DIMMING RCU is a variant of the single board AUROCO−2800−SBSM standard RCU with specific applications. It has the following specifications:

· 485 dimming single board RCU compete with enclosure
· 12 channels 220V /10A AC output
  （use for lighting / curtain / air conditioning control）
· 1 channel 220V /30A AC output（use for power socket）
· 8 PWM low current dimming circuits, each circuit can support 4A DC dimming
· 4 PWM low current dimming circuits, each circuit can support 10A DC dimming
· 4 low voltage backlight control output
  (switch backlight/room number/PLEASE WAIT/MUR/DND/door bell)
· 11 low voltage dry contact control signal inputs
  (switch/door bell/door magnetic contact/cabinet magnetic contact/infrared
  sensor/key card insert)
· 2 channels 485 communication bus
· The network adopts TCP/IP100M gateway communication and can be
  connected to the host instantaneously when the network is disconnected
· Memory storage capacity is 4KB
· Use squirrel−cage power supply casing with wide voltage input (85V ~ 277V)
· No−load power consumption <0.3W
· Over−voltage and over−load protection
· Deploy Omron high anti−surge and moisture−proof relays with maximum
  current of 10A and a service lifespan of more than 100,000 times
· Low heat generation and fast heat dissipation
· The 485 protocol can handle temperature control, infrared forwarding, switches,
· motors and various 485 control interfaces. Interface processing is within
  300ms
· All switches with 485 protocol can be connected
· The chassis is stamped from 1.2MM high−strength cold−rolled steel plate with
  very robust structure
· The main component uses an ARM−based processor, with low heat
  generation, long service lifespan and fast processing
· The background control system adopts B/S architecture, which provide
  convenient view information (check−in / SOS / service / clean−up, etc.) on the
  mobile platform (tablet / mobile phone). The front−end computer only needs to
  open the webpage to work without requiring to install any Software for quick
  device replacement

· **Options**
  1、High voltage expansion board 6 channels
  2、Voice recognition
  3、433 wireless protocol interface for communication with wireless switches

SINGLE BOARD RELAY RCU

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−485R 485 RELAY RCU is another variant of the single board AUROCO−2800−SBSM standard RCU . It has the following specifications:

· 485 relay single board RCU compete with enclosure
· 20 channels 220V /10A AC output
   （use for lighting / curtain / air conditioning control）
· 2 channels 220V /30A AC output
   （use for power socket and high power lighting）
· 4 low voltage backlight control output (switch backlight/room number/PLEASE
   WAIT/MUR/DND/door bell)
· 11 low voltage dry contact control signal inputs (switch/door bell/door magnetic
   contact/cabinet magnetic contact/infrared sensor/key card insert)
· 2 channels 485 communication bus
· The network adopts TCP/IP100M gateway communication and can be connected
   to the host instantaneously when the network is disconnected
· Memory storage capacity is 4KB
· Use squirrel−cage power supply casing with wide voltage input (85V ~ 277V).
· No−load power consumption <0.3W
· Over−voltage and over−load protection
· Deploy Omron high anti−surge and moisture−proof relays with maximum current
   of 10A and a service lifespan of more than 100,000 times
· Low heat generation and fast heat dissipation
· The 485 protocol can handle temperature control, infrared forwarding, switches,
   motors and various 485 control interfaces. Interface processing is within 300ms.
· All switches with 485 protocol can be connected
· The chassis is stamped from 1.2MM high−strength cold−rolled steel plate with
   very robust structure
· The main component uses an ARM−based processor, with low heat generation,
   long service lifespan and fast processing
· The background control system adopts B/S architecture, which provide
   convenient view information (check−in / SOS / service / clean−up, etc.) on the
   mobile platform (tablet / mobile phone). The front−end computer only needs to
   open the webpage to work without requiring to install any Software for quick
   device replacement

· **Options**
   1、High voltage expansion board 6 or 2 channels 1A can control dimming
   2、Voice recognition
   3、433 wireless protocol interface for communication with wireless switches
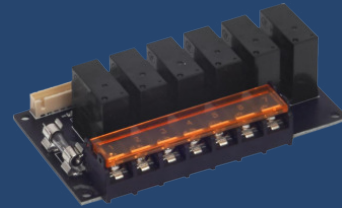
6 CHANNELS EXPANSION MODULE

AUROCO−2800−06EX 6 channels expansion module is required to expand the economy or standard basic RCU configuration by an additional 6 channels capacity.

 Specifications:
· 6 channels 220V /16A AC output
   （use for light / curtain / air−conditioning control）
· For all single−board RCU host models
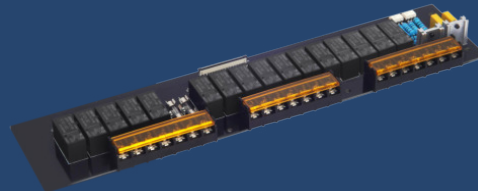
16 CHANNELS EXPANSION MODULE

GUEST CONTROL SYSTEMS LIMITED The AUROCO−2800−16EX 16 channels expansion module is required to expand the standard basic RCU configuration by an additional 16 channels capacity.

Specifications:
· 16 channels 220V /16A AC output
   （use for light / curtain / air−conditioning control）
· 2 channels 220V /1A AC thyristor voltage and dimming output
· Can use on AUROCO−2800−SBM STANDARD RCU as 16
   channel expansion unit

MODULAR RCU

GUEST CONTROL SYSTEMS LIMITED modular RCU is a highly flexible set of application modules combine with robust and powerful features to accommodate hotels of different sizes from low-end to high-end. The RCU modules are of standard rail mounting with scalability and ease of deployment . All the modules can be customized to best fit any available project with ability to control lighting, temperature, curtain, audio, video and many others.

GUEST CONTROL SYSTEMS LIMITED modular RCU possess great and durable functionality helps to optimize your project. System upgrade, expansion and managing become relatively easy. It is the product of choice for smart hotel integration.

HOST MODULE

GUEST CONTROL SYSTEMS LIMITED AUROCO-2800-HOST HOST MODULE is a modular RCU solution which allows to accommodate hotel room of different configurations from small to large rooms. The RCU modules are all standard rail mounting type enabling fast and easy installation. It supports programmable logic for lighting, music volume, curtain control, thermoregulation, occupancy sensors and other control functions to meet all design, guest experience and project requirements. It also allows for a modular setup with the use of expansion modules. The system support TCP/IP protocol for remote management via centralized administrative dashboard. lt can also be controlled by mobile/tablet, providing guest with comfort and exceptional experience while improving the productivity and efficiency of the hotel operation.

Specifications:

· 14 channels 220V /10A AC output（use for lighting and drape control）
· 4 channels dry contact point output（use for drape control）
· 4 low voltage backlight control output (switch backlight/room number/ WAIT/MUR/DND/door bell)
· 8 low voltage dry contact control signal inputs (switch/door bell/door magnetic contact/cabinet magnetic contact/infrared sensor/key card insert)
· 2 channels 485 communication bus
· The main control module is connected to all working modules through a unique RS485 communication protocol. The special queuing mechanism can effectively prevent missing codes. All output execution modules share one bus, and low current inputs share another bus. The number of input circuits can be expanded arbitrarily, and the input and output and functions are all configurable
· The main chip uses an ARM-based processor with low heat generation, long service life, and fast processing
· The module is made of fire-resistant polycarbonate material

FCU CONTROL MODULE

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−FCUC FCU CONTROL MODULE is a modular add−on The FCU control module works with all other application modules. It is standard rail mounting type enabling fast and easy installation.

Specifications:

· 4 channels 220V /10A AC output use for light / curtain / air−conditioning control
· The module is made of fire−resistant polycarbonate material
· The FCU relay module is required in combination with others module

10A RELAY MODULE

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−10AR 10A RELAY CONTROL MODULE. It works in combination with the host module and other application module depending of the system design requirement.

Specifications:

· 2 channels the relay circuit can be flexibly configured for light / curtain / air−conditioning control
· The module is made of fire−resistant polycarbonate material
· The 10A relay module is required in combination with others module

30A RELAY MODULE

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−30AR 30A RELAY CONTROL MODULE. It works in combination with the host module and other application module depending of the system design requirement.

Specifications:

· 1channel the relay circuit can be flexibly configured for power socket and high power lighting
· The module is made of fire−resistant polycarbonate material
· The 30A relay module is required in combination with others module

POWER MODULE

GuestControl™ AUROCO−2800−POWR POWER MODULE is a modular add−on which is compulsory for all modular RCU system design. The power module is standard rail mounting type enabling fast and easy installation.

Specifications:

· 12V−36W DIN−rail power supply, input voltage AC110−240V; output voltage DC12V, for power
· supply of the entire host
· The module is made of fire−resistant polycarbonate material
· The power module is compulsory module for all the modules

18 PORTS INPUT/OUTPUT MODULE

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−18IO I/O MODULE is a modular add−on. It works in combination with the host module and all other application modules depending on the system design.

Specifications:

· The module includes two 485 communication inputs and outputs
· Low current dry contact:
  − 18 IO inputs(switch/door bell/door magnetic contact/cabinet magnetic contact/infrared sensor/key card insert)
  − 18 IO outputs (switch backlight/room number/ PLEASE WAIT/MUR/DND/door bell)
· The main control module is connected to all working modules through a unique RS485 communication protocol. The special queuing mechanism can effectively prevent missing codes. All output execution modules share one bus, and low current inputs share one bus. The number of input circuits can be expanded arbitrarily, and the input and output and functions are all configured
· The main chip uses an ARM−based processor with low heat generation, long service life, and fast processing
· The module is made of fire−resistant polycarbonate material
· The I/O module is required in combination with others module

RELAY MODULE

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−RELY RELAY MODULE is a modular add−on that contains 8 16A relays and 2 PWM dimming control circuits. It works in combination with other modules. It supports programmable logic for lighting, dimming, curtain control, thermoregulation, and other control functions to meet all design, guest experience and project requirements.

Specifications:

· The relay module contains 8 16A relays and 2 PWM dimming control circuits. The relay circuit can be flexibly configured for lighting / curtain / air conditioning control
· The internal RS485 protocol is connected to the gateway module, which can flexibly increase or decrease the module according to the specific needs of the project
· The relay adopts a 16A anti−surge relay, with a service life of more than 100,000 times
· 2 PWM low current dimming circuits, each circuit can support 5A DC dimming
· The main chip uses an ARM−based processor with low heat generation, long service life, and fast processing
· The module is made of fire−resistant polycarbonate material
· The number of relay modules can be flexibly selected according to the needs of the project

GATEWAY MODULE

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−GATE GATEWAY MODULE works in conjunction with the AUROCO−2800−HOST host module and other application modules.

Specifications:

· The module includes a gateway and two 485 communication inputs and outputs
· Low current dry contact:
  − 8 IO inputs (switch/door bell/door magnetic contact/cabinet magnetic contact/infrared sensor/key card insert)
  − 4 IO outputs (switch backlight/room number/ PLEASE WAIT/MUR/DND/door bell)
· Main chip: Freescale MKE series
· Gateway: 100M network TCP communication
· The main control module is connected to all working modules through a unique RS485 communication protocol. The special queuing mechanism can effectively prevent missing codes. All output execution modules share one bus, and low current inputs share one bus. The number of input circuits can be expanded arbitrarily, and the input and output and functions are all configured
· The TCP gateway connects to the server in real time and supports the configuration of control logic through the network, downloading individually or in batches
· Gateway module with 8 isolated input terminals and 4 door display backlight output terminals
· The main chip uses an ARM−based processor with low heat generation, long service life, and fast processing
· The module is made of fire−resistant polycarbonate material
· The gateway modules can be used in conjunction with other modules

HIGH VOLTAGE DIMMING MODULE

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−HDIM HIGH VOLTAGE DIMMING MODULE is a modular add−on. The dimming module contains 4 channels high voltage dimming control circuits. It works in combination with other modules.It supports programmable logic for dimming and other control functions to meet all design,guest experience and project requirements.

Specifications:

· 4 channels 220V /2A AC thyristor voltage and dimming output
· Using high−power thyristor dimming, the normal working current is up to 2A, 220V working voltage, and each loop is equipped with a relay for shutdown operation, which can ensure that the LED dimming lamp beads do not flicker when they are turned off
· The main chip uses an ARM−based processor with low heat generation, long service life, and fast processing
· Provide direct power supply, without adapter
· The module is made of fire−resistant polycarbonate material
· The number of high voltage dimming modules can be flexibly selected according to the needs of the project

LOW VOLTAGE DIMMING MODULE

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−LDIM LOW VOLTAGE DIMMING MODULE is a modular add−on based on standard rail mounting. It works in combination with the host module and all other application module depending on the overall system design requirement. The dimming module contains five PWM dimming control circuits.

Specifications:

· The dimming module contains five PWM dimming control circuits, each circuit can support 10A DC dimming
· The internal RS485 protocol is connected to the gateway module, which can flexibly increase or decrease the module according to the specific needs of the project
· PWM dimming can directly drive LED lamps without intermediate dimmer
· The driving power is physically isolated from the module and the modulation frequency is 1KHZ
· The main chip uses an ARM−based processor with low heat generation, long service life, and fast processing
· Lamp requirements: constant voltage LED lamps, 12V−32V high−power DC switching power supply directly power supply, without adapter
· The module is made of fire−resistant polycarbonate material
· The number of PWM dimming modules can be flexibly selected according to the needs of the project
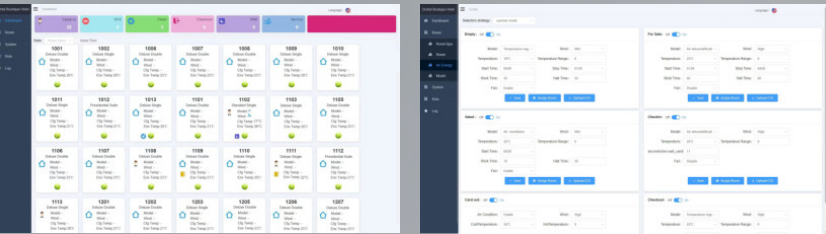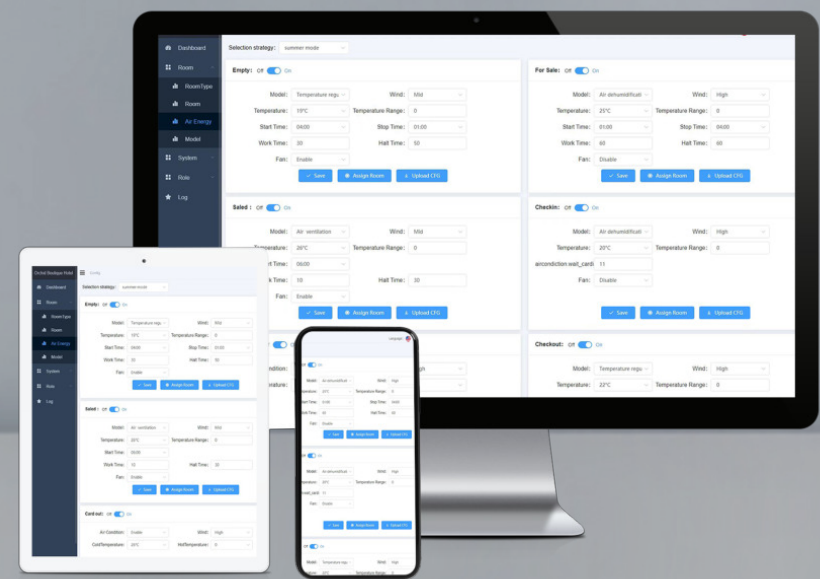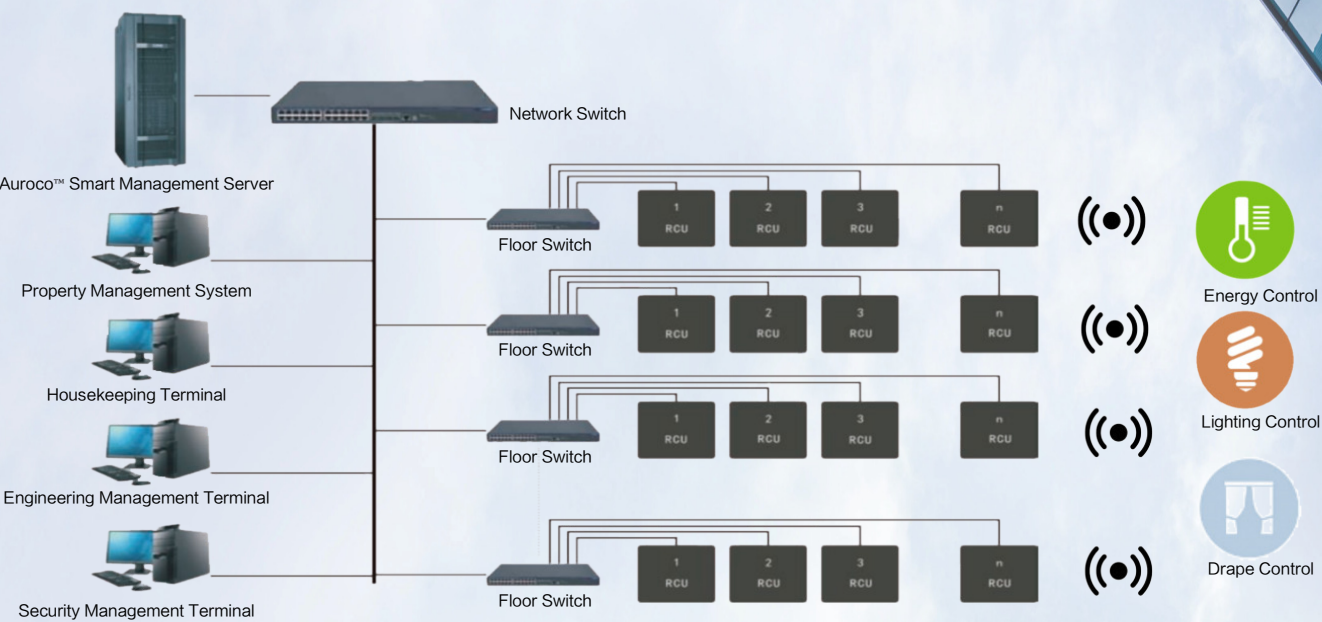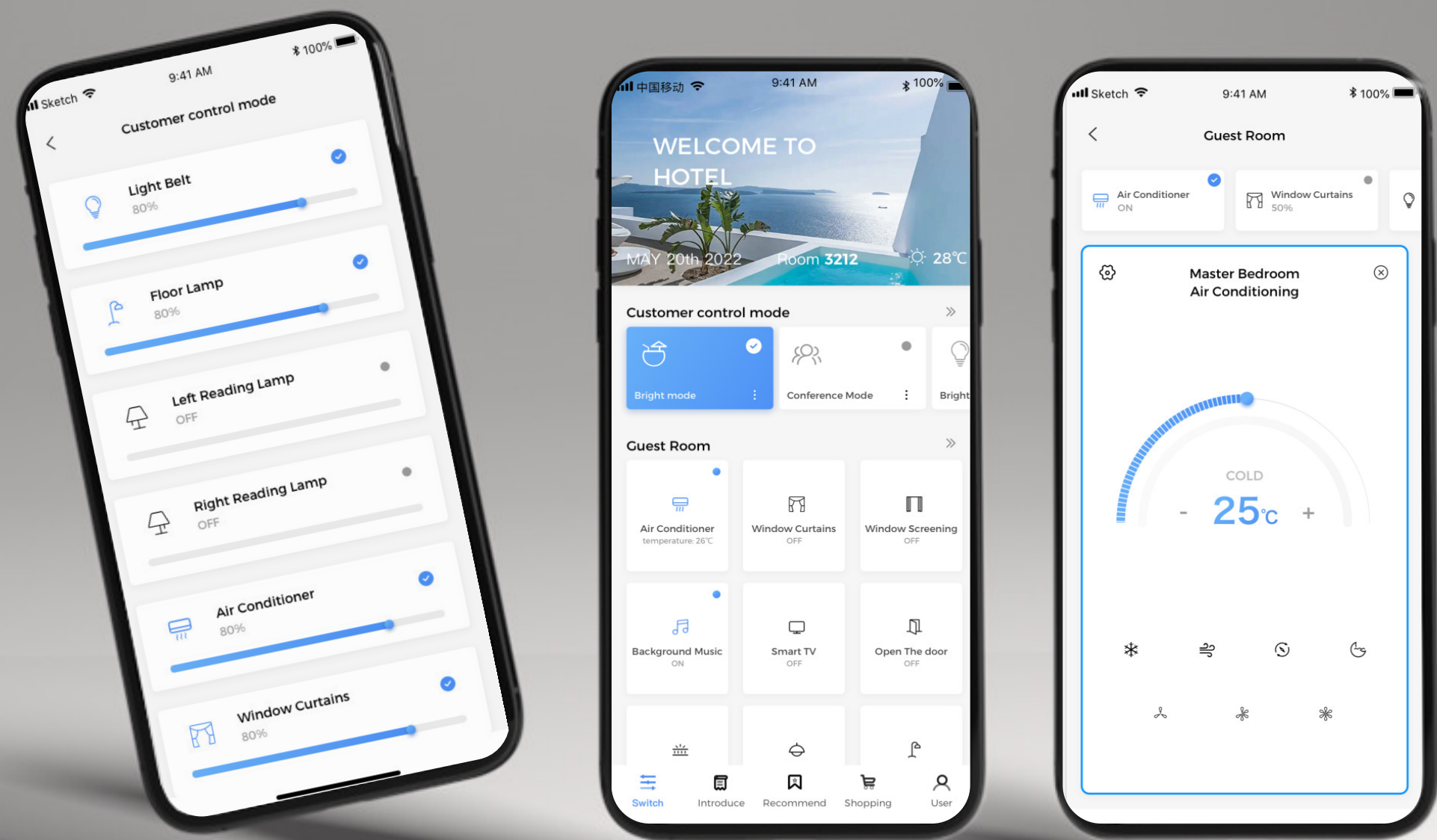
0−10V DIMMING MODULE

GUEST CONTROL SYSTEMS LIMITED AUROCO−2800−DCDIM 0−10V DIMMING MODULE is a modular add−on which allows to accommodate hotel room of different configurations from small to large rooms. The dimming module is standard rail mounting type enabling fast and easy installation. The dimming module contains 5 channels 0−10v dimming control circuits. It works in combination with other modules.It supports programmable logic for dimming and other control functions to meet all design,guest experience and project requirements.

Specifications:

· 5 channels 0−10v weak current dimming circuits, each circuit can support 5A DC dimming
· 2 channels 485 communication bus
· Each loop is equipped with a relay for shutdown operation, which can ensure that the LED dimming lamp beads do not flicker when they are turned off
· The main chip uses an ARM−based processor with low heat generation, long service life, and fast processing
· Lamp requirements: an LED light source with 0−10V dimming support is required
· The module is made of fire−resistant polycarbonate material
· The number of 0−10v dimming modules can be flexibly selected according to the needs of the project

AUROCO™−2800 Smart Maintenance Administrative Dashboard

AUROCO™−2800 Smart Energy Management Solution Architecture

Network Switch

Auroco™ Smart Management Server

Floor Switch

Property Management System

Floor Switch

Housekeeping Terminal

Floor Switch

Engineering Management Terminal

Floor Switch

Security Management Terminal

1 RCU 2 RCU 3 RCU n RCU

Energy Control

Lighting Control

Drape Control

AUROCO™−2800 Mobile Apps

Face Recognition

PIR Sensor

Electronic Chime

Magnetic Contact

Curtain Control

Door Lock Control

- Choice of Color
- Selectable Function Display
- Customizable Icon and Text Printing
- Requires Only Single 86 Base Box
- Easy Installation

HOTEL LOGO

3508

Tri-state LED Indicator
White   : Occupied
Red   : DND
Green   : MUR

SMART DOOR SIGNAGE

DoSign™ Door Signage
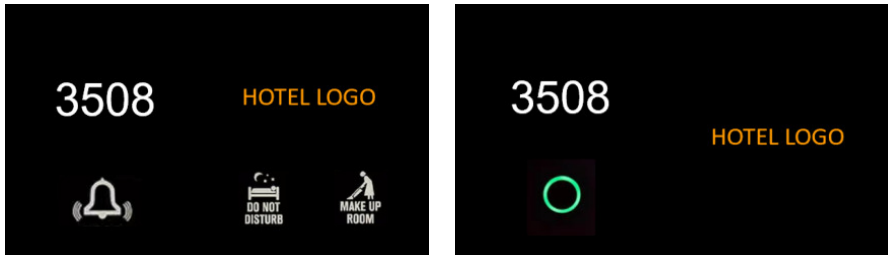
DoSign™ Series door number signage from GUEST CONTROL SYSTEMS LIMITED is a flexible, attractive and features-rich hotel guestroom door signage that comes in a variety of designs and finishes. The ultra modern and trendy design delight the senses and raise the concept of luxury to a new level. Integrating state-of-the-art hospitality guestroom control technology, and featuring ultra-clean lines, a sleek square profile, and an instantly identifiable status indicator light, the DoSign™ collection is the reference in terms of beauty and ingenuity, creating unprecedented modern simplicity for the hospitality industry.

GUEST CONTROL SYSTEMS LIMITED ALSO PROVIDE CUSTOMIZED DOOR SIGNAGE DESIGN FOR INDIVIDUAL HOTEL DEPENDING ON DESIGN REQUIREMENTS AND SPECIFICATIONS.

SMART ELECTRICAL SWITCH PANEL

SMT PCB

SOFT TOUCH PUSH BUTTON

MULTIPLE GANG IN ONE FRAME

METAL RIM ENCASSED

LAZER ENGRAVED TEXT AND ICON
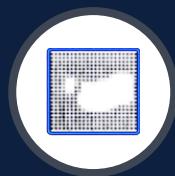
BRASS METAL FINISHED

ALLUMINIUM ENCASSED FRAME
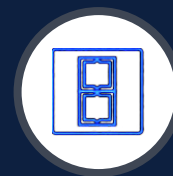
DIRECT MOUNTING ON WOOD OR ON 86 JUNCTION BOX

COLOR OPTION

GUEST CONTROL SYSTEMS LIMITED adapt and customize electrical switch panels for hotel guestrooms to suit any interior design and decor. GUEST CONTROL SYSTEMS LIMITED offers switches with choice of different number of buttons, materials, LED backlit, feedback echo sound, proximity sensor backlit activation and colors based in customer preference. In addition, the high quality modern design, the switch panels can be silk screened or laser engraved with text, logo and pictogram according to customer's preferred choice. We also custom make switches to meet any individual hotel needs.

GUEST CONTROL SYSTEMS LIMITED SWITCH PANELS OFFER UNLIMITED FLEXIBILITY WITH DIFFERENT MATERIALS AND COLOR VARIANTS TO BLEND PERFECTLY TO ANY GUESTROOM INTERIOR DECOR.
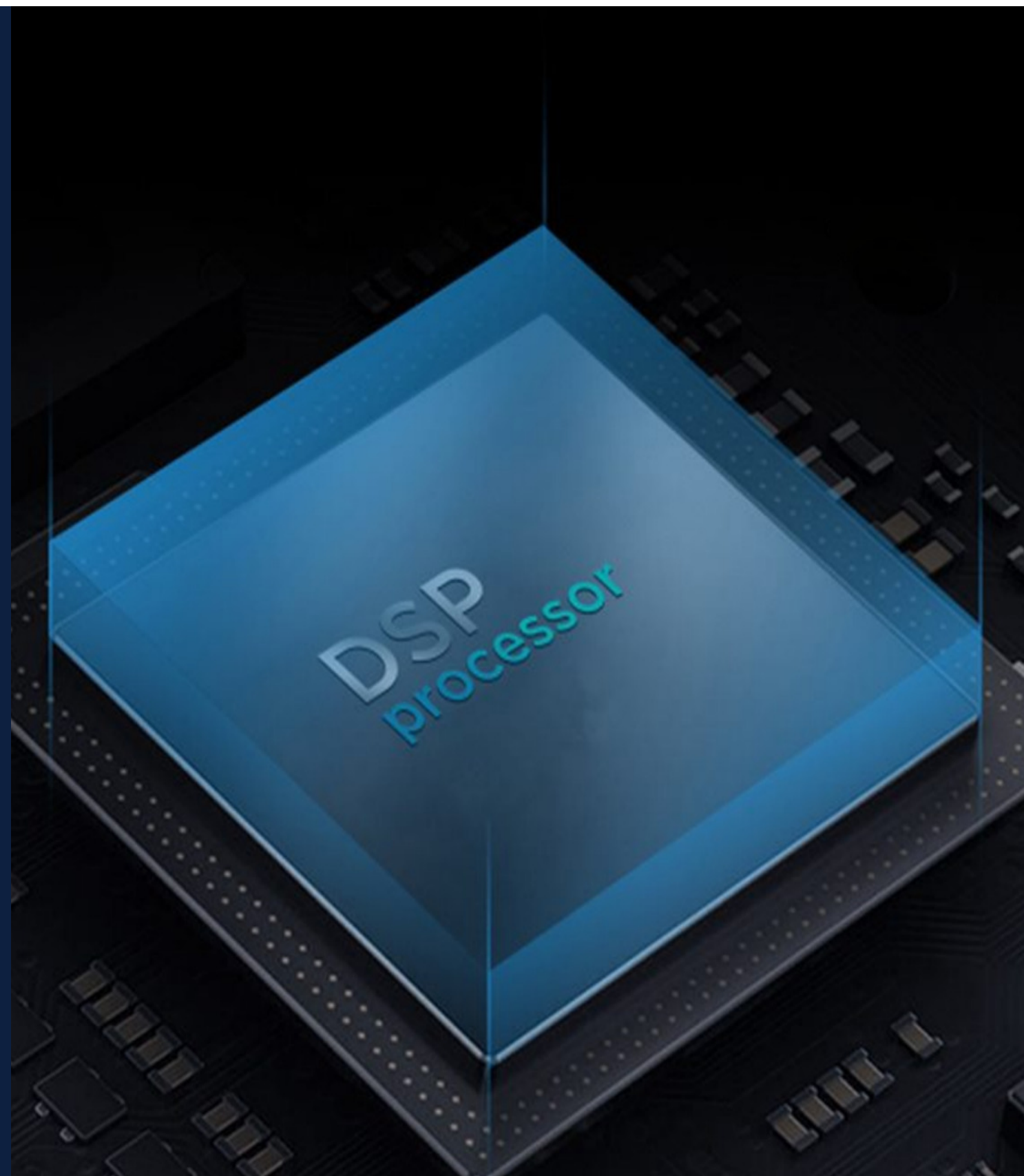
BESTE™ SERIES Electrical Switches

Beste™ switches and sockets embodies a distinctive, minimalist aesthetic. Featuring ultra−clean lines, a sleek profile, the Beste™ collection is the reference in terms of beauty and ingenuity.

Delivering impeccable quality and strong, detail focused aesthetic for modern environment.
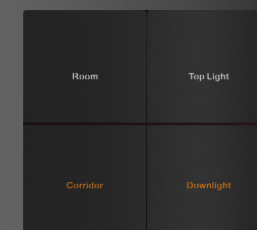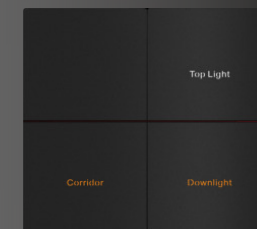
Switches

Sockets
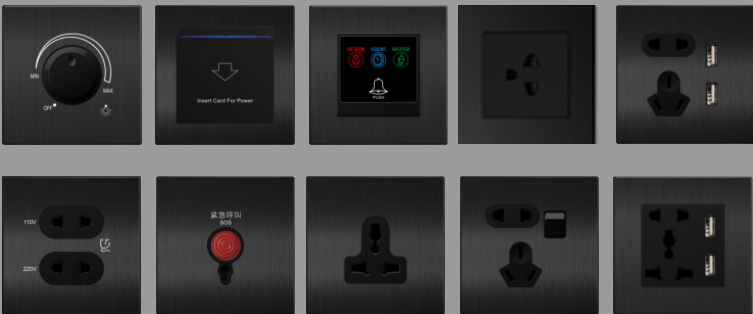
Accessories
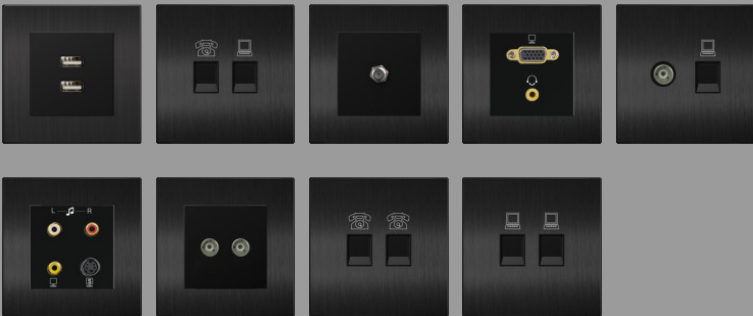
Colour

BESTEPLUS™ SERIES

Pseudo split button concept, a creative design that represents the essence of stylish expression and timeless elegance. A design beyond the ordinary.
Available up to 6 pseudo buttons configurations, plastic or metal with proximity sensing option.
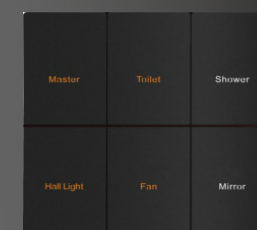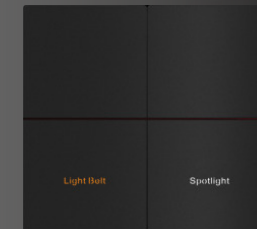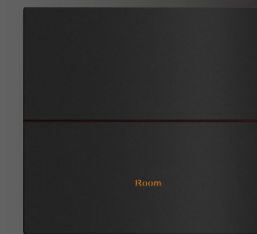
STILVOLL™ SERIES Electrical Switches

The Stilvoll™ Series evoke a sense of theatre balanced with refined elegance.

Stilvoll™ switches and sockets will not only stand the test of time but convey the essence of aesthetic refinement to create a lasting impression, displaying unprecedented modern simplicity.

Corridor

Ceiling

Chandelier

Pantry

Switches

Support maximum up to 4-button per gang

Sockets

Accessories

Colour

ELEGANZ™ SERIES Electrical Switches

Eleganz™ Series of electrical switches and sockets are based on an uncluttered design, incorporates innovative modern technology, where immaculate aesthetics meet outstanding functionality.

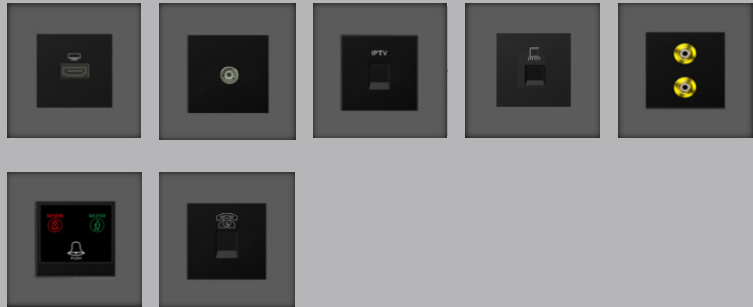A range of switches and sockets that pushes the boundaries.

Switches
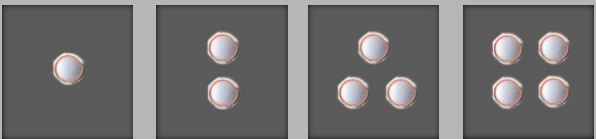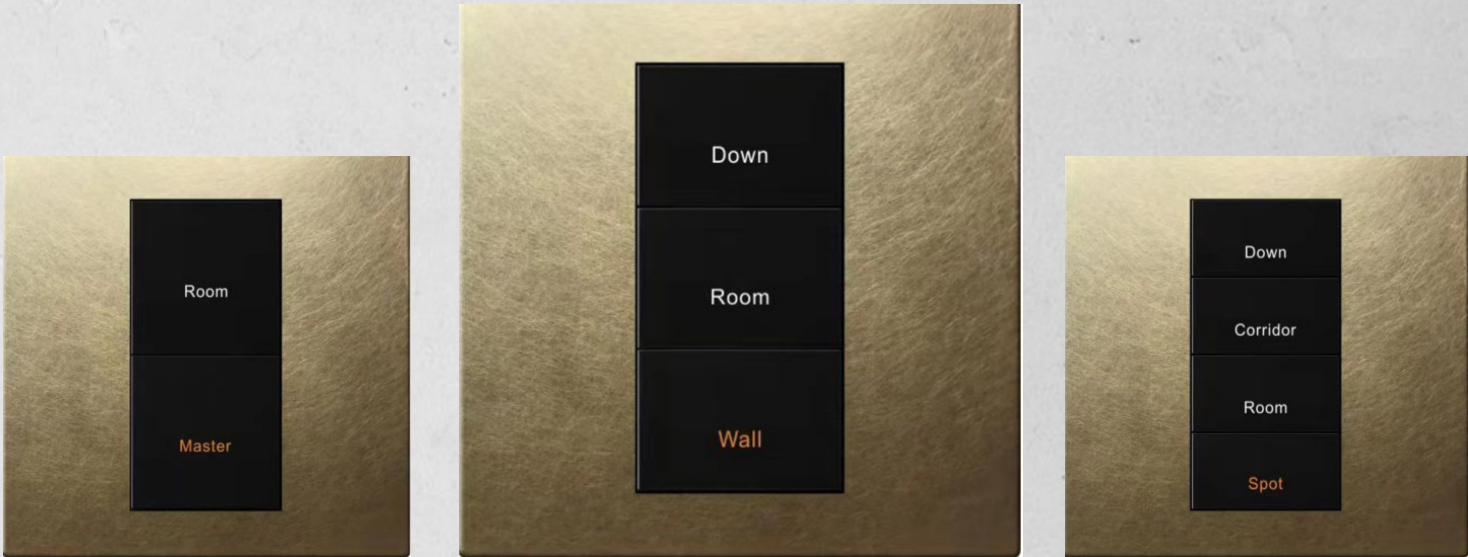
Sockets

Accessories

Colour

MODISCH™ SERIES

Modisch™ Series is designed using the highest quality, sustainable materials and sophisticated craftsmanship. It represents a new trend based on the future of hospitality electrical switches and sockets.

KREATIV™ SERIES

An elegant design with engineering creativity that satisfies the requirements of efficiency and cost effectiveness . At the same time giving its aesthetics an extended life and imparting a visual identity to the product cosmețic. A design beyond the ordinary.
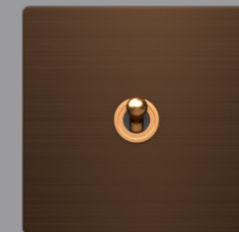
KASSISCH™ SERIES
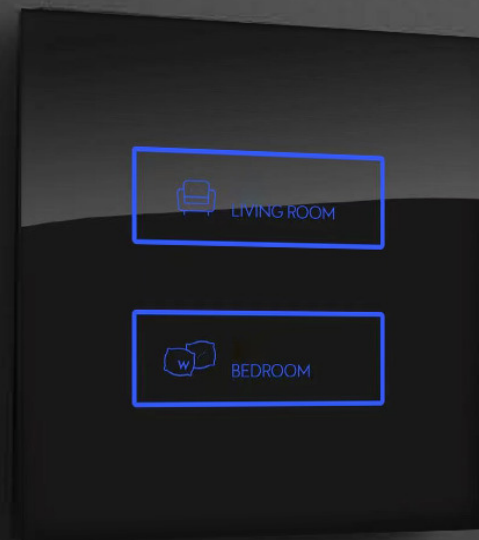## Toggle Switch Panel

3-level On-Off

Up : On
Middle : Off
Down : On

全开　全关　电视　明亮　会客
ON　OFF　TV　Bright　Reception

全开　全关　电视　明亮　会客
ON　OFF　TV　BRIGHT　RECEPTION

全开　全关　电视　明亮　会客
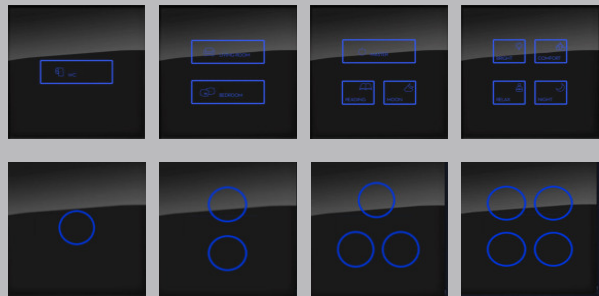ON　OFF　TV　BRIGHT　RECEPTION

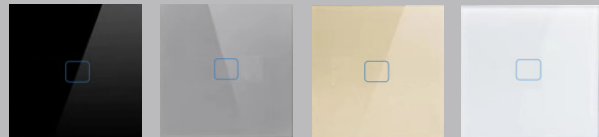# Innovativ™ Series Glass
Touch Switch Panel

Switches

Sockets

Accessories

Color options

KAMFORT™ SERIES
Smart Thermostat

Designed with unparalleled dimension and definitive expression in slimness, the Kamfort™ Series thermostat can harmoniously blends in with every contemporary interior decor.

Rotary Control Digital Thermostat

Full Display Touch Screen Thermostat

Classical Thermostat

UNICO™ Series 86mm
Touch Screen Panel

VORAUS™ SERIES
Touch Screen Electrical Panels

Voraus™ series interactive Touch screen panel is a high quality, yet affordable multi−touch display that puts collaborative interactivity into the hospitality environment. The Voraus™ series touch screen panel includes the most effective, yet intuitive features, creating an easy−to−use high quality interactive display in hotel guestrooms.
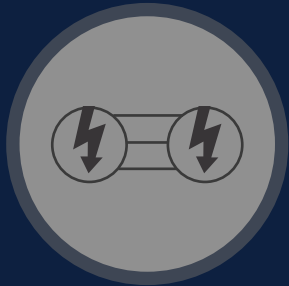

USER INTERFACE

Different Connection Protocols Supported

485
Low Voltage (485 Protocol)
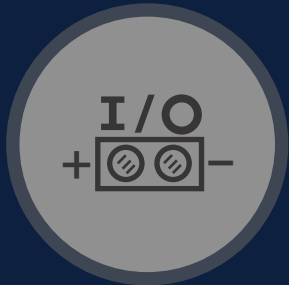Central Control With RCU

485
High Voltage (485 Protocol)
Central Control With RCU

High Voltage (Interconnection & Mutual Control) Without RCU

High Voltage Without RCU

Low Voltage Dry Contact With RCU Control
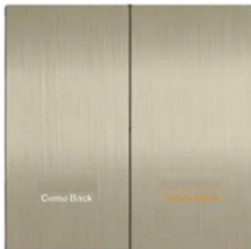
RF433
RF 433
Wireless Protocol

Switch Panels Color Options

Different color selection increase the choices to match various interior décor.

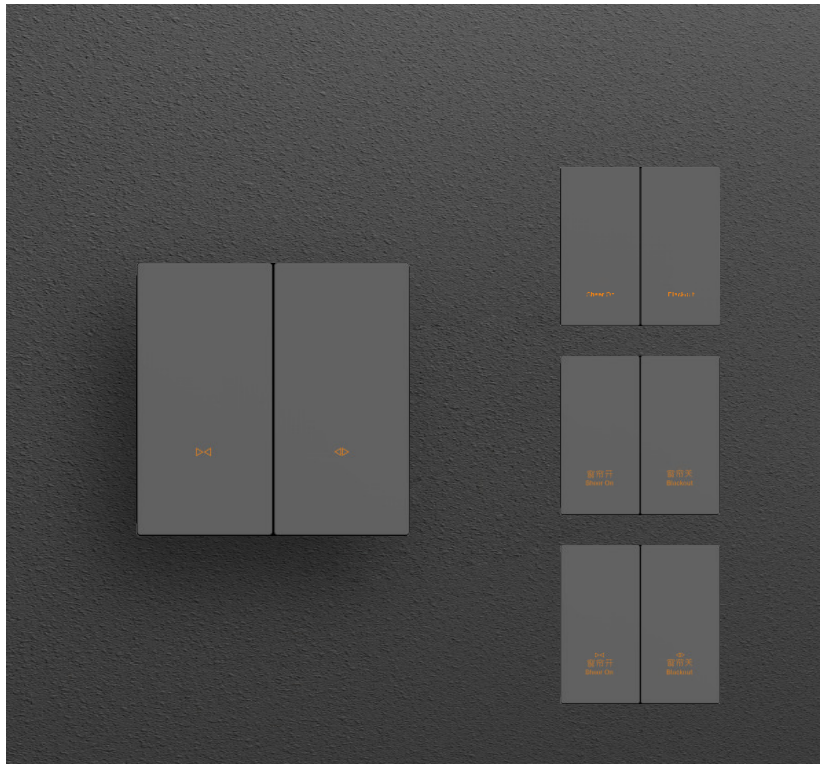| GREEN COPPER | RED COPPER | CHANPANGE GOLD |
| BLACK | COFFEE BROWN | RANDOM PATTERN BLACK |

MATERIAL	STAINLESS STEEL, ALLUMINIUM, PLASTIC
PROCESS	BRUSHED METAL,SPRAY PROCESS, ELECTROPLATING

FLOOR SOCKET

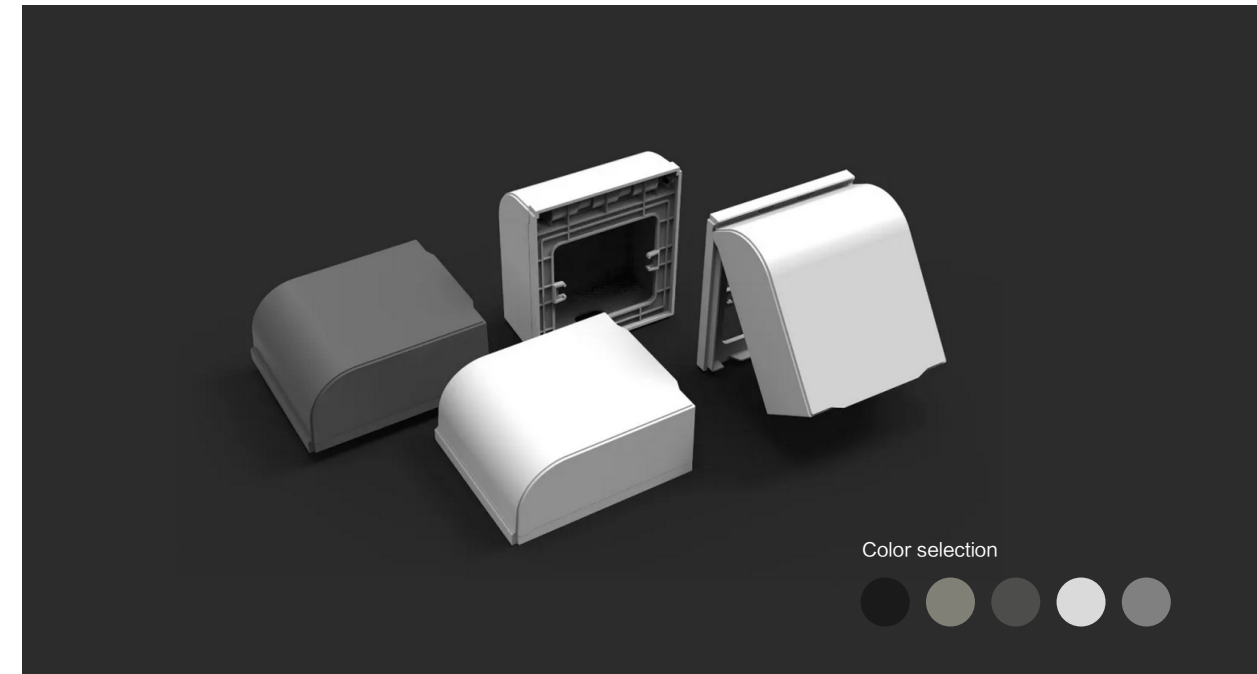GUEST CONTROL SYSTEMS LIMITED floor socket and outlets are complementary to the standard wall sockets and outlets. Floor sockets and outlets are mainly used in public area. The sockets and outlets can be easily customized to support various configurations to meet the hotel design requirements.
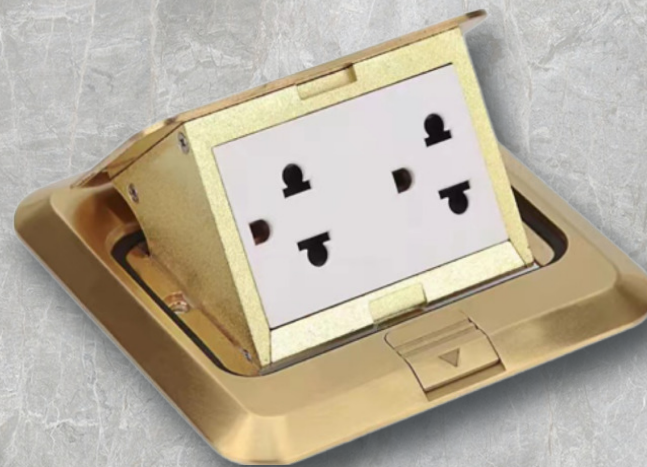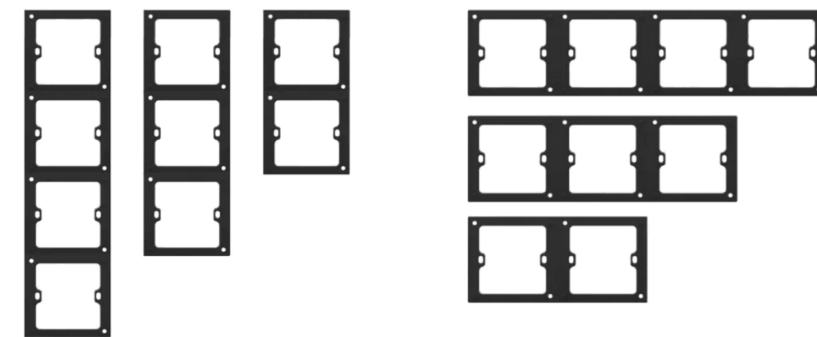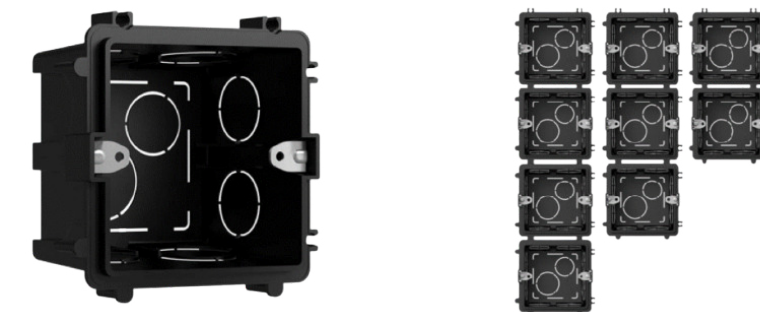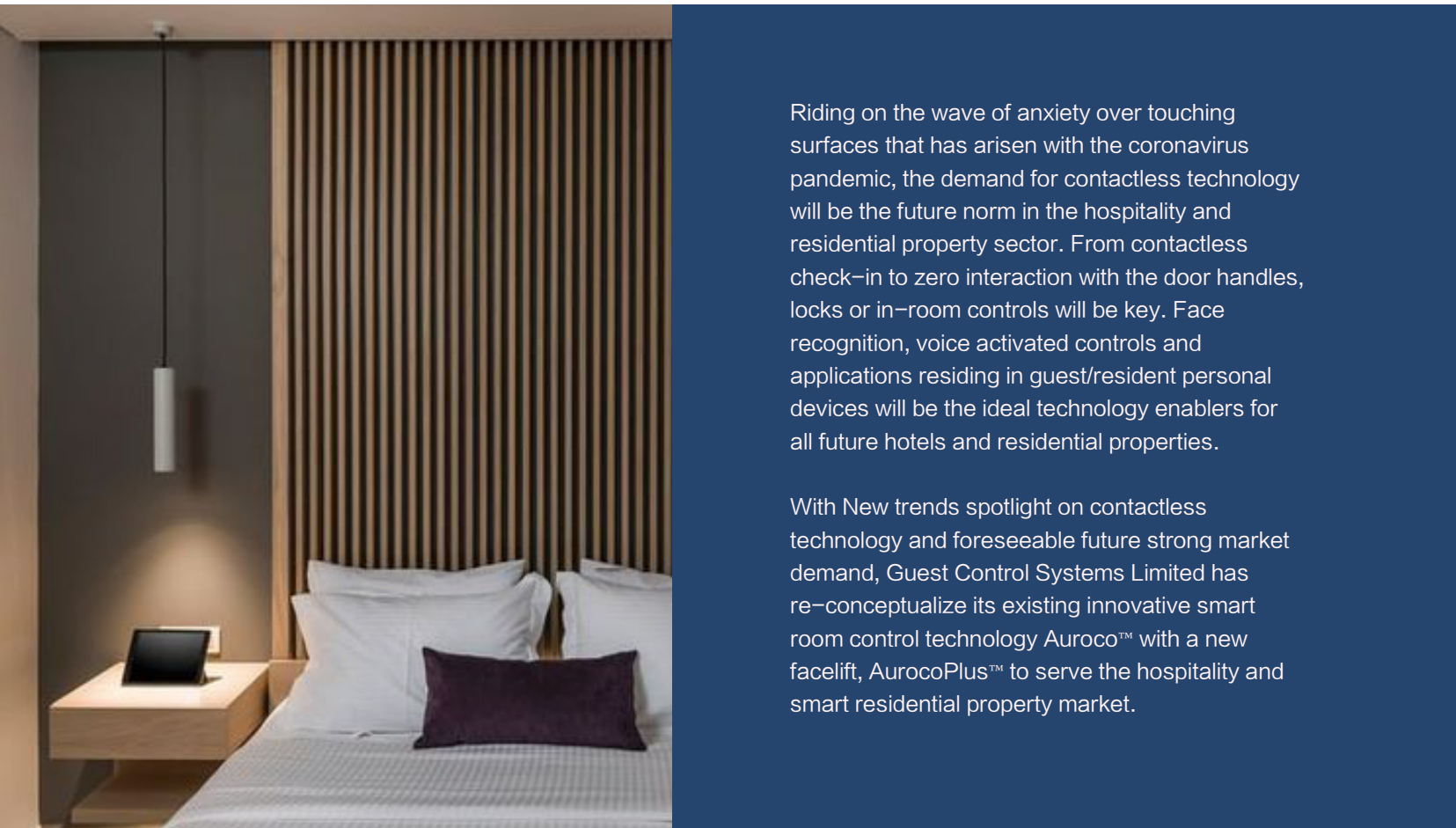
ACCESSORIES
Water Proof Cover

Color selection

Switch Panel Mounting Frame

86mm Electrical Base Box

CONTACTLESS
DIGITAL JOURNEY

Riding on the wave of anxiety over touching surfaces that has arisen with the coronavirus pandemic, the demand for contactless technology will be the future norm in the hospitality and residential property sector. From contactless check–in to zero interaction with the door handles, locks or in–room controls will be key. Face recognition, voice activated controls and applications residing in guest/resident personal devices will be the ideal technology enablers for all future hotels and residential properties.

With New trends spotlight on contactless technology and foreseeable future strong market demand, Guest Control Systems Limited has re–conceptualize its existing innovative smart room control technology Auroco™ with a new facelift, AurocoPlus™ to serve the hospitality and smart residential property market.

Remote hotel booking and payment using mobile device

Entering hotel cark park

Temperature scanning at hotel entrance

Check–in identification at reception

Contactless escalator to room floor

Unlock room door using mobile device

Control room temperature, lighting & drapes using mobile device

QR code room service ordering

Total system integration

01
Guest arrival at the car park

· Car park barrier automatically open
· Pressing the "car park" on the mobile app will have a GPS automatically pop up leading the VIP guest to a reserve car park bay

02
At the reception

· Guest check–in at the auto kiosk or manually at the reception desk

03
Arriving the escalator

· Pressing the "escalator" on the mobile app will open the escalator door, take the guest directly to the required floor

04
At the guestroom entrance

· Pressing the "room key" on the mobile app will enable to door to unlock

05
Inside the guestroom

· Using the mobile app to control the services available in the room (switches, Lighting,drape,TV,temperature & airflow)
· Touch screen wall panel can be used as alternative option to control the same services

Note: Customer has the choice to select the entire journey or part of the journey

CLOUD BASED NEXT GENERATION SMART HOSPITALITY PLATFORM

Cloud Based Next Generation Integrated Smart Hospitality Platform is a multimedia digital fabric that consist of various hospitality focus application components enabling cross layers digital collaboration and information sharing, providing sensational guest experience and improving back office performance efficiency.

Service Optimization

Offering excellent lifecycle services has always been a top priority of Guest Control Systems Limited. As a service innovator, our outstanding customer service is what drives customer acquisition and retention. We provide service via our online customer service centre and our local distributor network in each country.

AUROCO™ Smart Energy Management System Benefited You That You Can Measure

GUEST CONTROL SYSTEMS LIMITED AUROCO™ Smart Energy Management System, a powerful, scalable,versatile and user friendly solution that is designed to enhance the performance of most modern world class hospitality property. Creating a unique and memorable experience for every guest is key to ensuring customer loyalty. At the same time, focus on substantial energy and cost savings that is important to your bottom line.

With future proofing consideration,it technical sophistication, design elegance, and energy saving feature elevates the hotel to world-class standard.

GUEST CONTROL SYSTEMS LIMITED AUROCO™ Smart Energy Management System embodies value, qualities and style of the hospitality property that can be translated to additional revenue and operational efficiency.

GuestControl™ Commitment to Excellence

Guest Control Systems Limited is committed to deliver innovative state-of-the-art seamless and intuitive hospitality smart energy management system products and solutions to the hoteliers all over the world. With the company team expertise and accumulated global experience, we are able to set standard for smart energy management system products and solutions. We create lead in innovation to ensure the hoteliers are at the forefront of technology. We ensure your hotel are at world-class status while we care for your service optimization, process efficiency, energy saving, environmental protection, deliver outstanding guest experience, guest loyalty and profitability.