



archi-tronic
IOT SOLUTION SYSTEMS



Guest Room, Residence, Factory, Smartfarm, Energy Management

ABOUT COMPANY

With more than 20 years of experience in guest room management system, important references and solid range of products, we are recognized as one of the leader in providing hotels with technical solutions for energy management and smart technology that transforms each guest's in-room experience from excellent to exceptional.

Our hospitality solutions are compatible with properties in pre-construction, undergoing a renovate, or those that have been standing for decades. We combine innovative technology, guest interfaces and operating enhancements to provide the most reliable system, cost effective, technologically advanced as well as delivering fast return on investment and complete project execution for the hotels.



Design



R&D



Production



Service



WHY ARCHI-TRONIC?

Energy Efficiency : Reduce air cond, lighting and shading power consumption while guest satisfaction level is not being affected.

Guest Comfort : Scene setting for a more conducive guest comfort and experience. Multiple scene setting can be created for each room, each scene being able to accept parameters such as temperature and light intensity.

Low cost in wiring, Simple to install : Our devices and systems are simple and flexible when it comes to installation.

Fast and Comprehensive Technical Support : We have a strong technical team to provide direct technical support which will help you with your installation or any kind of issues that may occur during operation.

An innovative technology : To save investment and long term maintenance costs, while assuring reliability of the system.



Products comprehensively certified : **CE**



HOTEL AND RESIDENTIAL SOLUTION

We offer a solution that meets the highest standards for hotels and residential buildings. There are many benefits using Archi-tronic control system. It brings savings, more efficient control, ease of maintenance as well as maximum comfort and security.

For the residential sector, our automation solutions are mainly aimed at luxury properties and medium-large sized residential buildings.

Our products are compatible with third-party products and most of the electrical devices. This integration ensures system scalability and can meet the future needs.

EVERYTHING CAN BE CONTROLLED

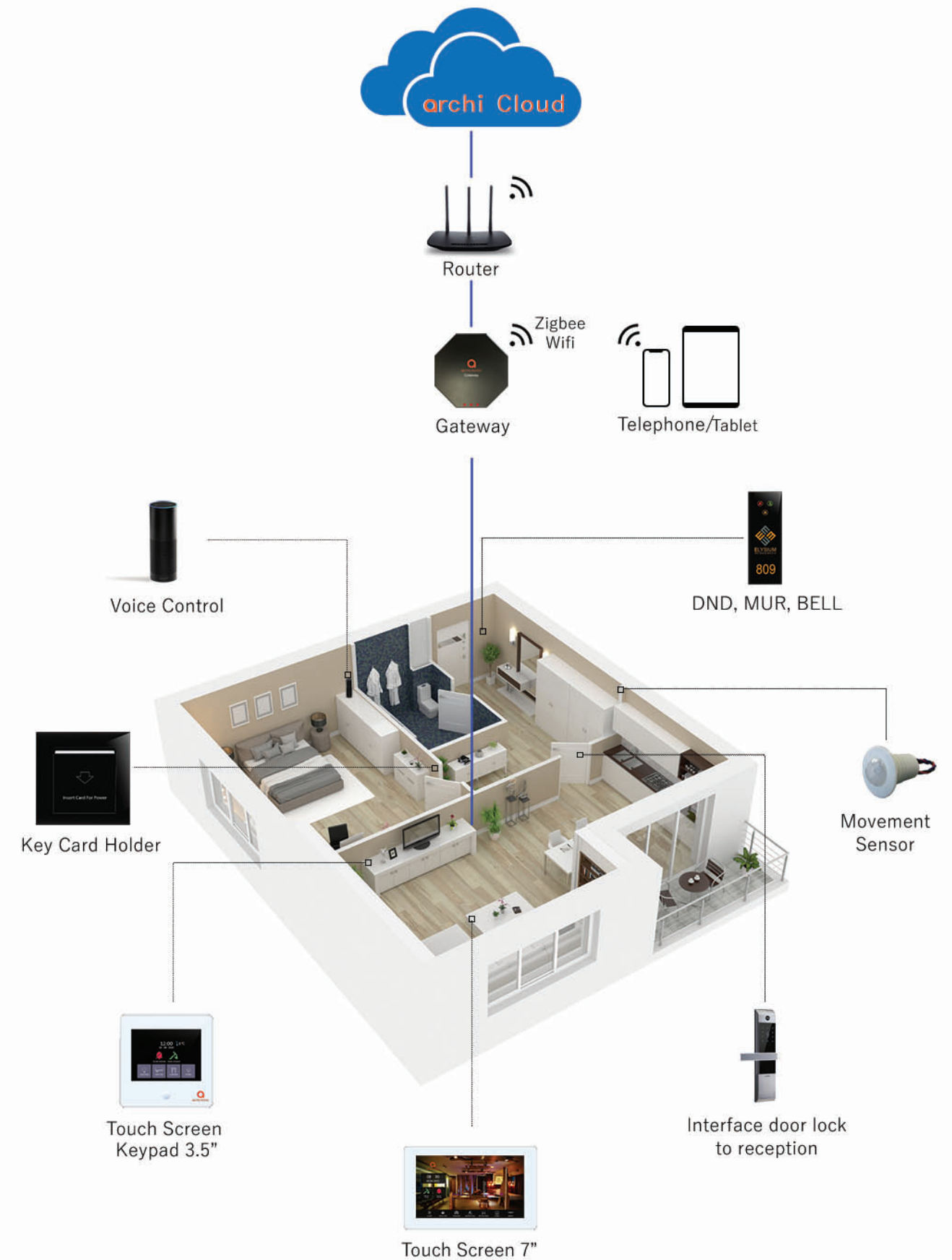


- ✓ Lighting Control
- ✓ Heating and Airconditioning
- ✓ Customized Scenarios
- ✓ Public Area Management
- ✓ Occupancy Management
- ✓ Curtain Control
- ✓ Presence Detection
- ✓ Access Control
- ✓ Service Management (DND, MUR)
- ✓ Reception Management

Setting can be adjusted in the room by guest or via central management (Reception)



SMART FUNCTION MODEL



PUTTING CONTROL IN YOUR HANDS
ONE OF THE MOST CONVENIENT THINGS EVER

The ever-growing use of smartphones and other smart devices has moved lighting control to a new level.

We have released a smart control app which enable you to control lights, temperature, TV, music, scenes, and more from the palm of your hands.

Our app is available on both iOS and Android.

This is the latest, most advanced smart phone app for **Archi-tronic Smart Control**.



archi
APP



WHAT IT CONTROL



Lights



Blinds/Shades



Air cond



Scene

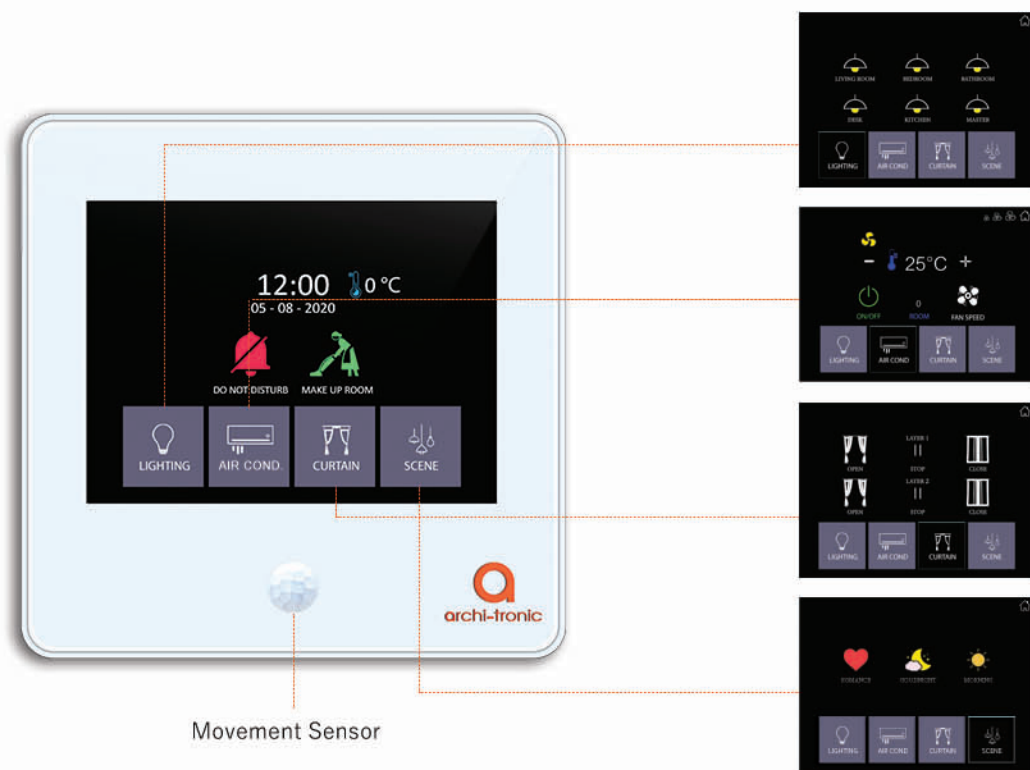


Door lock



More





Features



LIGHTING



AIR-CONDITIONER



CURTAIN



SCENE



MORE

- 3.5" capacitive color touch screen
- Show real time clock and date
- Built-in zigbee module
- Built-in motion sensor and temperature sensor
- Customizable with pages, icons and background
- Independent and flexible programming software
- Effortlessly control every connected device such as lighting, curtain, air cond by a simple touch
- Accuracy-Highest-Lowest : $\pm 0.5^{\circ}\text{C}$ ($\pm 2^{\circ}\text{C}$)
- Test-Condition : $-10^{\circ}\text{C} \sim 85^{\circ}\text{C}$ ($-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$)
- Operating-Temperature : $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Configuration : Local
- Accuracy : $\pm 0.5^{\circ}\text{C}$

Color ☒ Black ☐ White

T035

Our 3.5" Touch Screen designed to make the most advanced hotel automation multi-functions, an innovative control center that allows guests to manage the room's environments in order to ensure an excellent service and all comforts for them. It is able to keep the walls a beautiful look while meeting various requirements of functionalities.





T070



Our 7" Touch Screen designed to make the most advanced hotel automation functions, an innovative control center that allows guests to manage the room's environments in order to ensure an excellent service and all comforts for them. We designed a dedicated new user interface for T070 with optimize layout and operation logic specially for both wall-mounted and table top panels. Through a customized graphical interface icon and an interactive menu, guests can effortlessly control every connected device by a simple touch.

Features

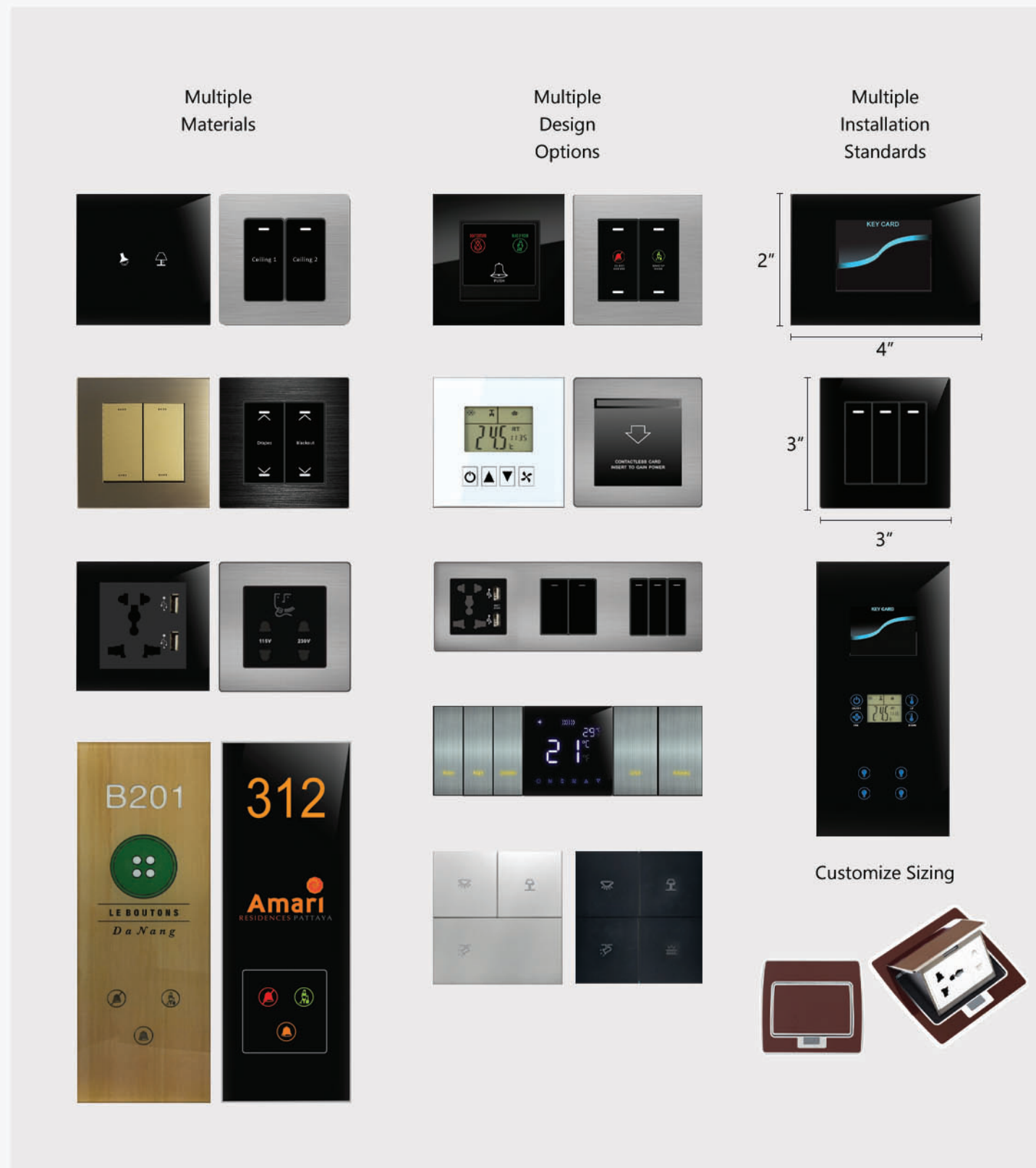


- Show real time clock and date
- Capacitive color touch screen
- Built-in Zigbee module
- Customizable with pages, icons and background
- Built-in temperature sensor
- Effortlessly control every connected device such as lighting, curtain, air cond by a simple touch

Color ☒ Black
 ☐ White

SWITCH & SOCKET

We provide a premium range of standard and custom designed switch panel to fit all every design and budget on each project.



OCCUPANCY DETECTION

Our system can identify any presence in the room whether they are guests, house keeping or any authorized hotel staffs by receiving information from the door lock. Our occupancy detection solution is able to know the status of the guests in the room from movement sensor and magnetic door switch.

Energy is only used when it is necessary. When the room is unoccupied, all light will turn off (with a standard delay) and the Air cond will reset to preferred temperature. Once the room is occupied again, the room setting are immediately restored and normal device operation is resumed. If the room is unsold, all light will go off and the air cond can be reset either with speed "low" (temperature 27 degree celcius) or air cond "off".



VOICE CONTROL

Touchless Society Concept

by Archi San voice control

Control lights and devices with just your voice

"Archi San, turn on all the lights"

Simply use your voice to control lights and devices - give Archi-San any one of dozens of commands to turn on and off lights, set scenes, dimming, and much more - look, no hands!

Archi San supports Thai, English and Vietnamese



RCULESS

Forget about traditional RCU

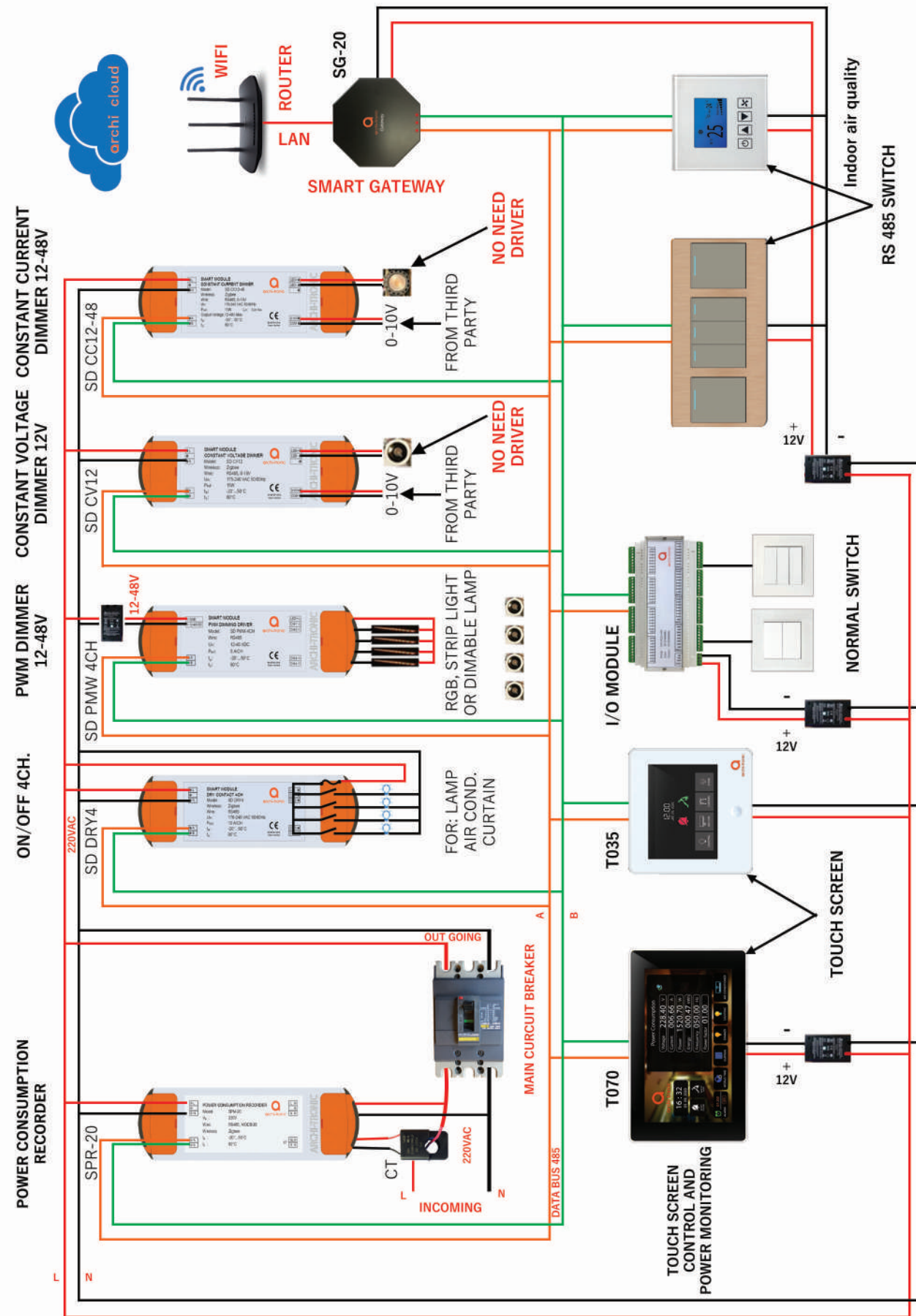


We have developed the newest technology which we called RCULESS system that replaces traditional RCU. Our main goal in developing and launching this new technology was to solve the problems of the traditional RCU that were experienced in the past. Each module are easy to install, functions easily set, and easy to service. Moreover, less wiring is involved in the installation of RCULESS leading to reduced labor cost. This system is suitable for a wide range of accommodation categories from low budget hotels all the way to luxury hotels and residential sector.

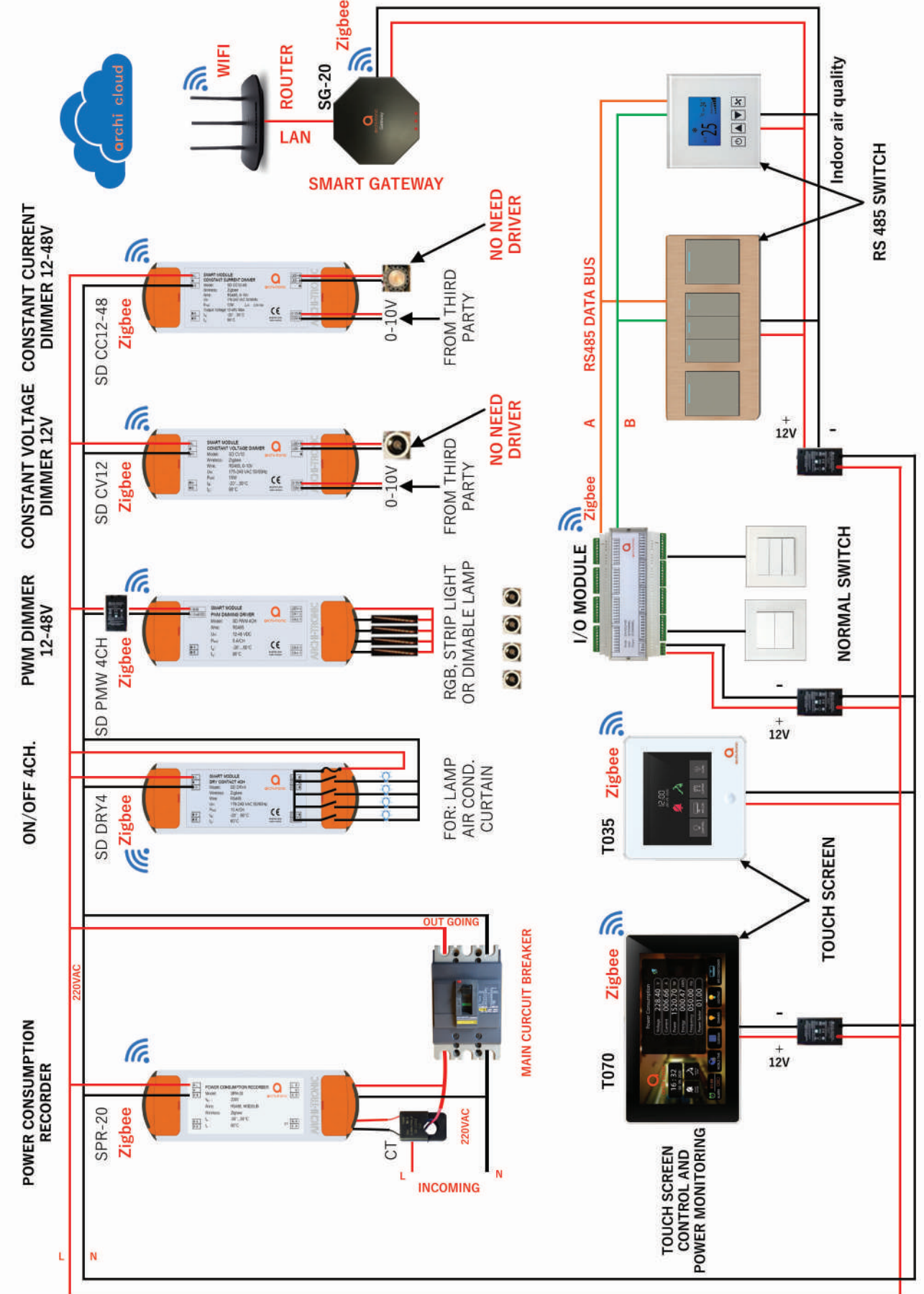
Our smart module are integrated with wire and wireless system. It also can replace traditional constant current dimming, constant voltage dimming, PWM dimming and DMX512 dimming.

Safety is one of the main things that we focused on while developing RCULESS; therefore they have been officially CE safety certified.

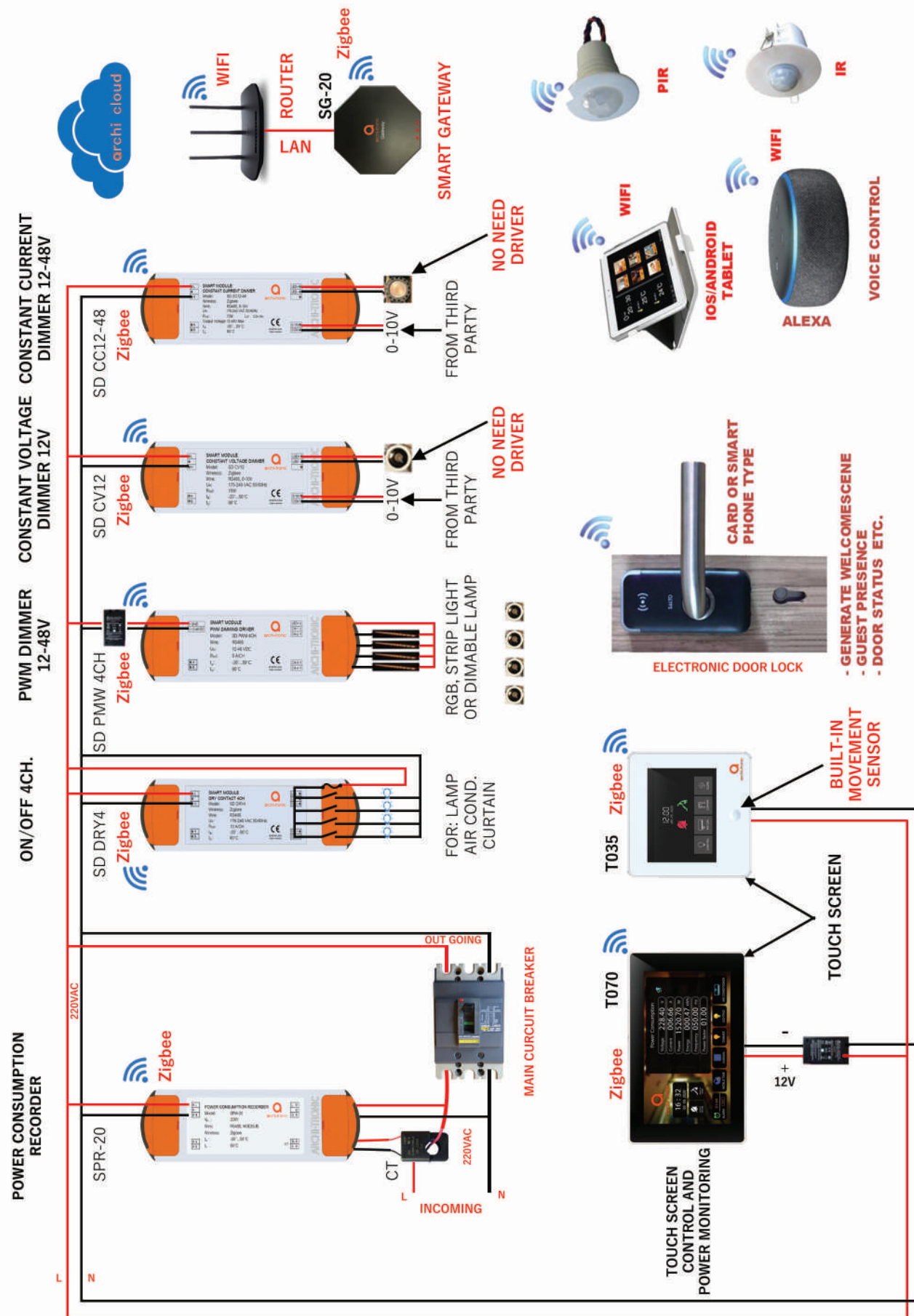
SMART CONNECTION WIRE



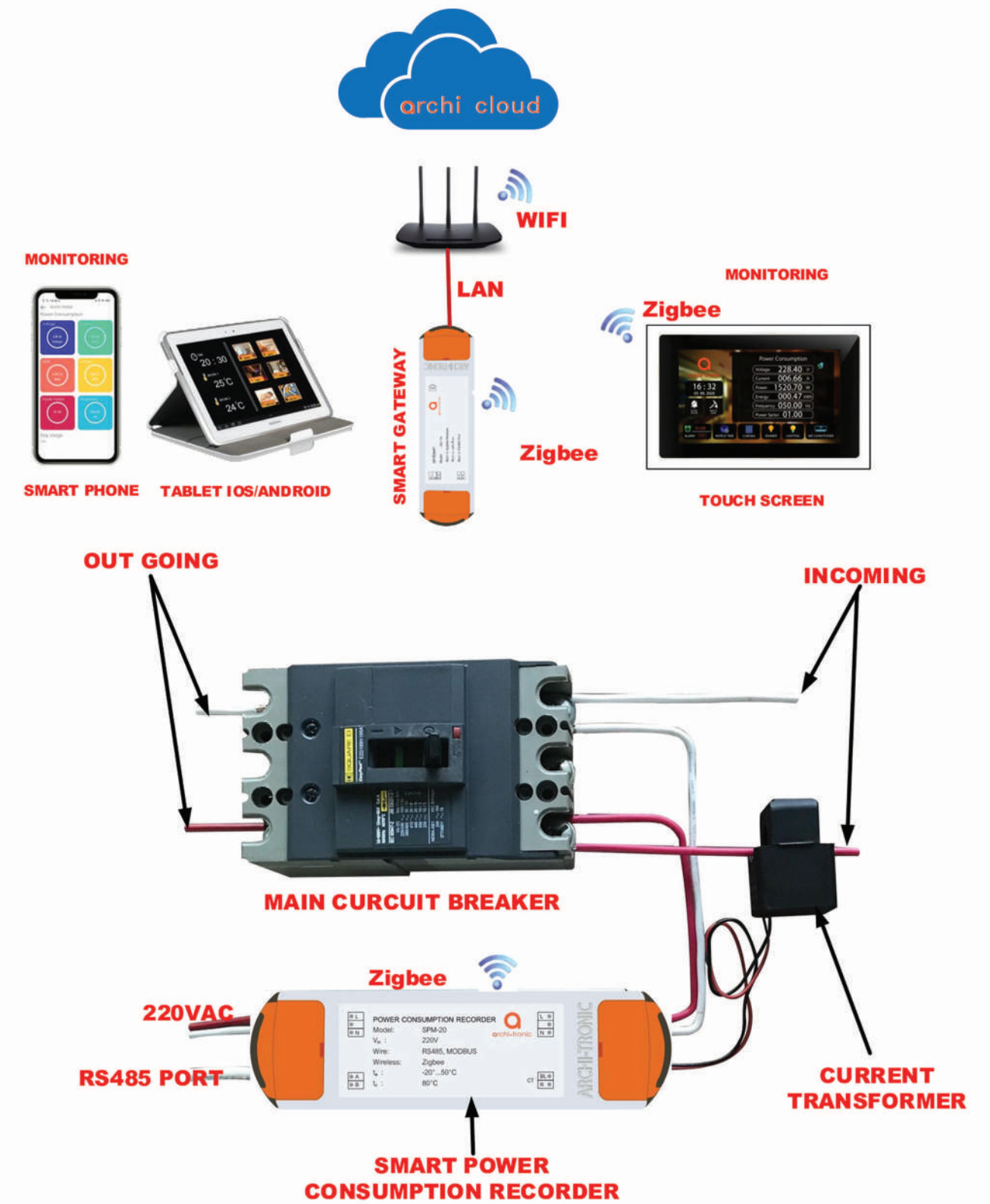
SMART CONNECTION WIRELESS 1



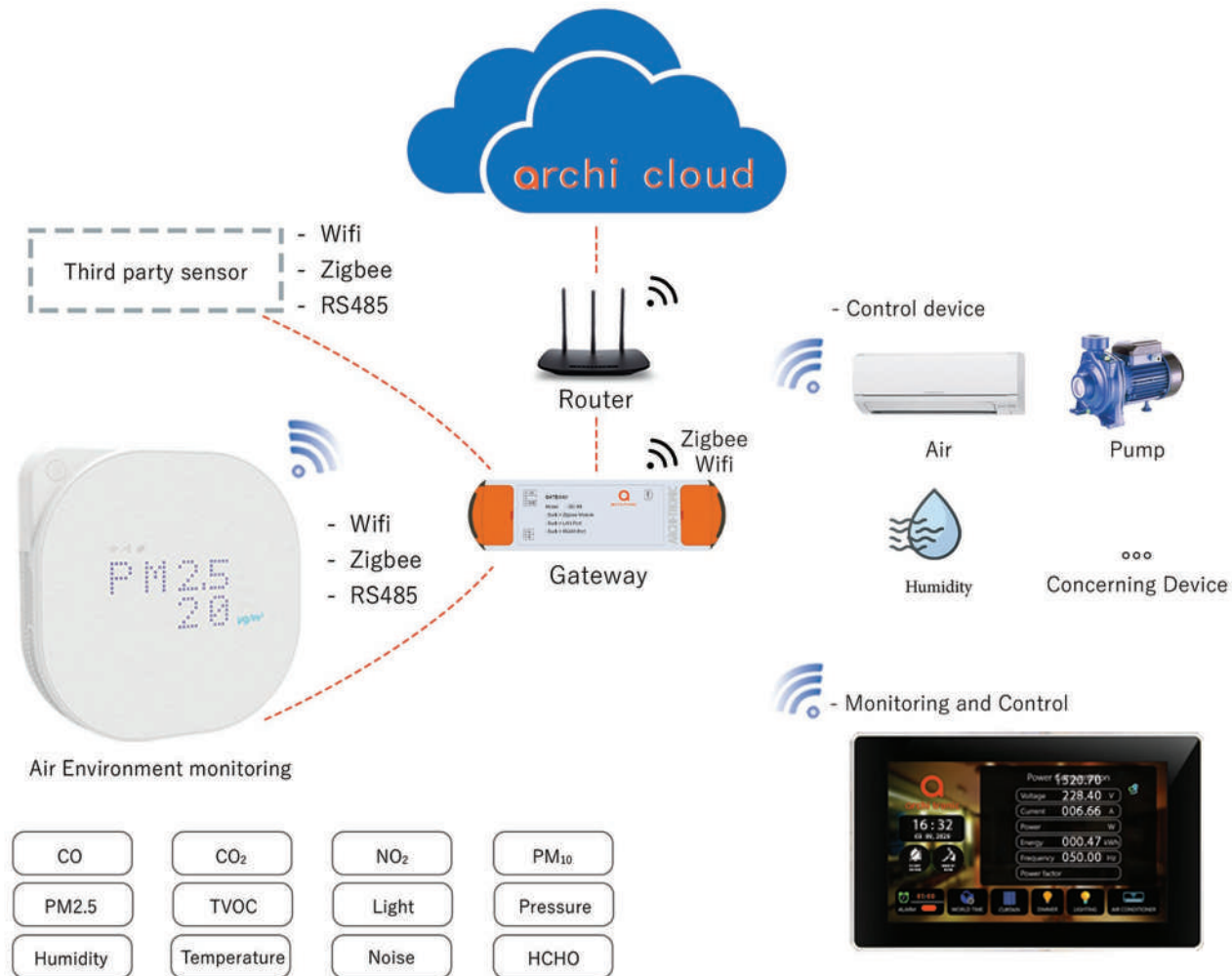
SMART CONNECTION WIRELESS 2



POWER CONSUMPTION RECORDER



AIR ENVIRONMENT MONITORING AND CONTROL



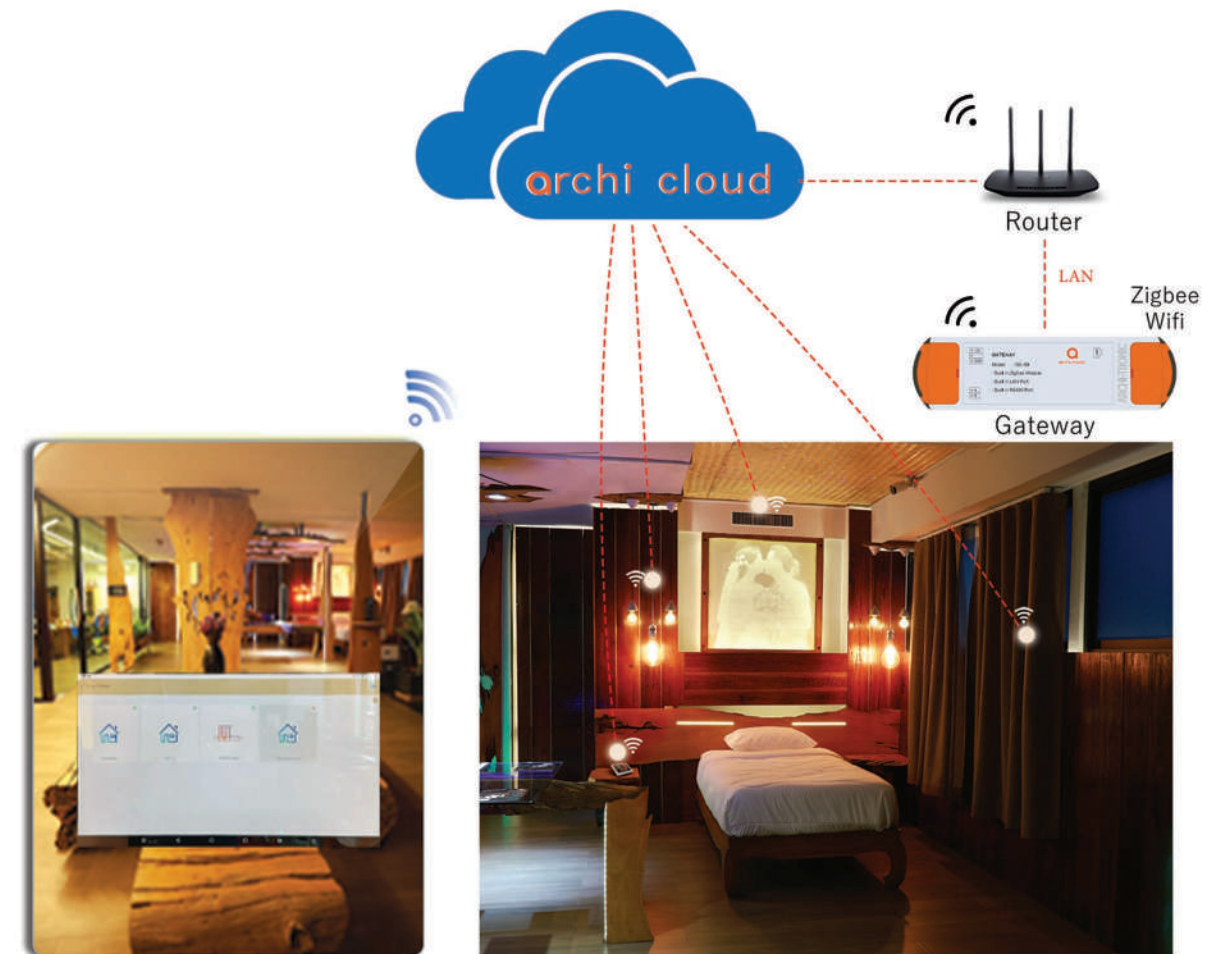
Feature

- Product supports MQTT protocol
- Up to 8 parameters can be integrated
- Module design, can be grouped accordingly
- Electrochemical sensors based on real gas calibration
- Efficient air duct drainage technology
- Supports Wi-Fi, RS-485, RJ45 communications

Sensor + monitoring

- Temperature
- Humidity
- PM_{2.5}
- PM₁₀
- TVOC
- Formaldehyde
- Carbon Dioxide

SMART MIRROR MONITORING AND CONTROL



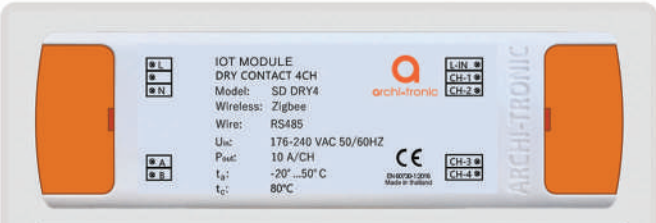
Feature

- 5mm silver mirror
- White powder painted steel
- Sandblasting with 100 mesh emery
- Protection film on the face of mirror
- Wall mounted, IP20/44
- Easy installation structure

SPECIFICATION

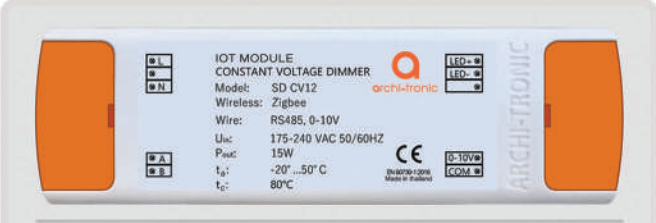
- Touch Screen
- Dimable/Color temperature
- Blue tooth music system
- Adjustable
- Defogger
- LED clock

IOT MODULE



IOT MODULE
DRY CONTACT 4CH

Model: SD DRY4
Wireless: Zigbee
Wire: RS485
U_{in}: 176-240 VAC 50/60Hz
P_{out}: 10 A/CH
t_a: -20°...50° C
t_c: 80° C



IOT MODULE
CONSTANT VOLTAGE DIMMER

Model: SD CV12
Wireless: Zigbee
Wire: RS485, 0-10V
U_{in}: 175-240 VAC 50/60Hz
P_{out}: 15W
t_a: -20°...50° C
t_c: 80° C



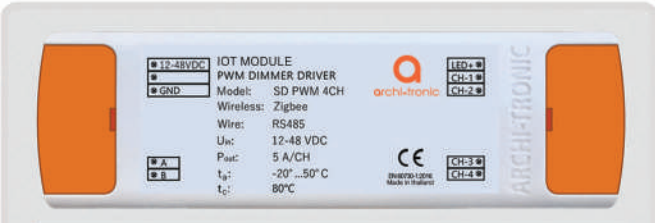
IOT MODULE
DMX512 DECODER

Model: DMX512D
Wire: RS485, DMX Protocol
U_{in}: 24VDC
P_{out}: 5A 4CH
t_a: -20°...50° C
t_c: 80° C



IOT GATEWAY

Model : SG-19
: Built in Zigbee Module
: Built in LAN Port
: Built in RS485 Port



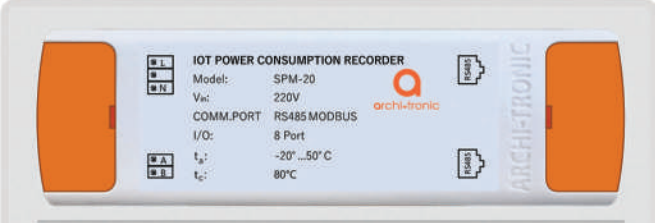
IOT MODULE
PWM DIMMING DRIVER

Model: SD PWM 4CH
Wireless: Zigbee
Wire: RS485
U_{in}: 12-48 VDC
P_{out}: 5 A/CH
t_a: -20°...50° C
t_c: 80° C



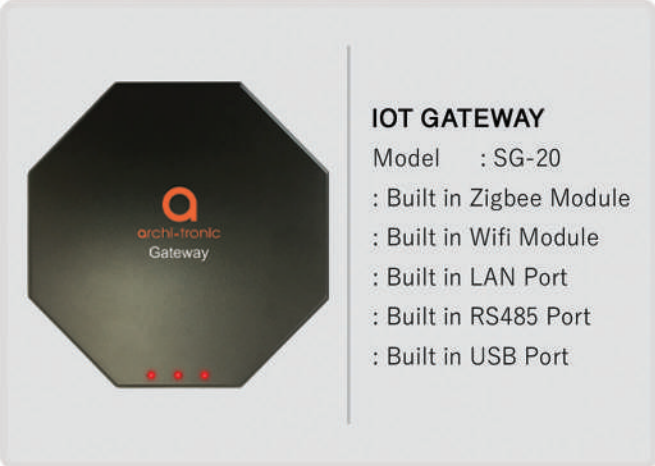
IOT MODULE
CONSTANT CURRENT DIMMER

Model: SD CC12-48
Wireless: Zigbee
Wire: RS485, 0-10V
U_{in}: 176-240 VAC 50/60Hz
Output voltage: 12-48V MAX
P_{out}: 15W
Lin: 0.2A Max
t_a: -20°...50° C
t_c: 80° C



IOT POWER CONSUMPTION RECORDER

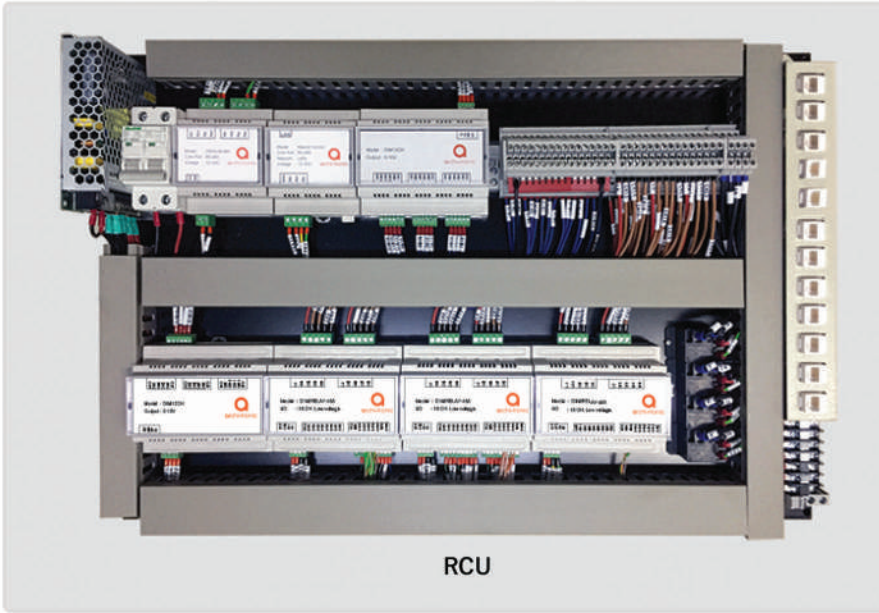
Model: SPM-20
V_{in}: 220V
COMM.PORT: RS485MODBUS
I/O: 8 Port
t_a: -20°...50° C
t_c: 80° C



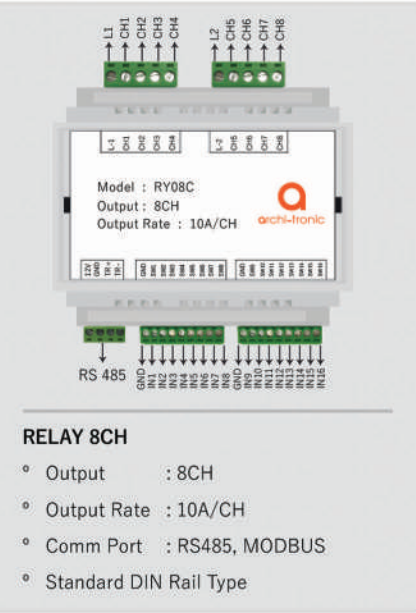
IOT GATEWAY

Model : SG-20
: Built in Zigbee Module
: Built in Wifi Module
: Built in LAN Port
: Built in RS485 Port
: Built in USB Port

ARCHI-TRONIC RCU MODULE

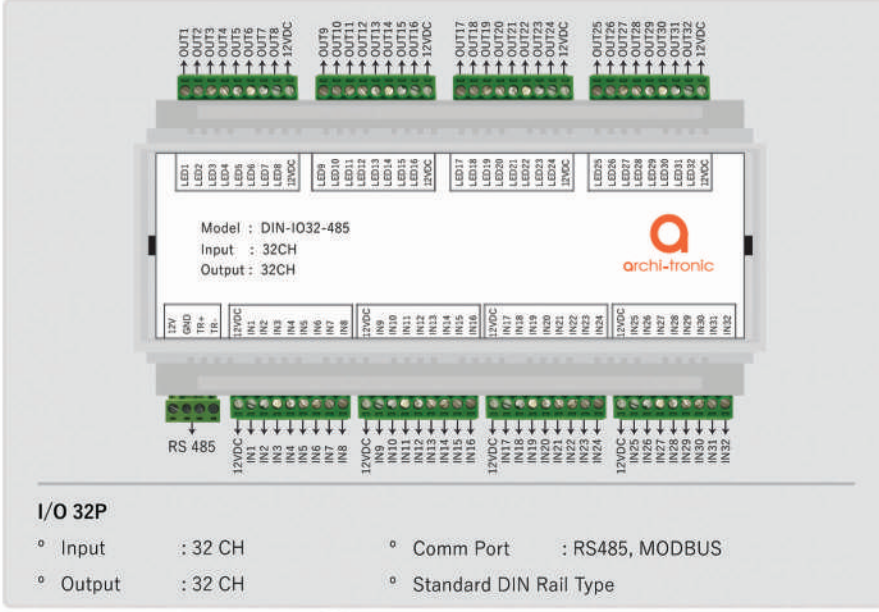


RCU



RELAY 8CH

° Output : 8CH
° Output Rate : 10A/CH
° Comm Port : RS485, MODBUS
° Standard DIN Rail Type



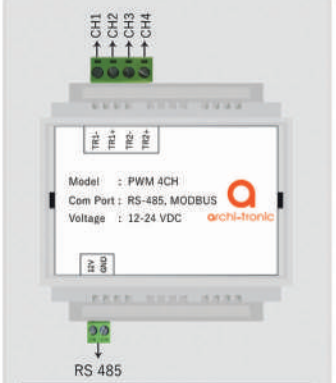
I/O 32P

° Input : 32 CH
° Output : 32 CH
° Comm Port : RS485, MODBUS
° Standard DIN Rail Type



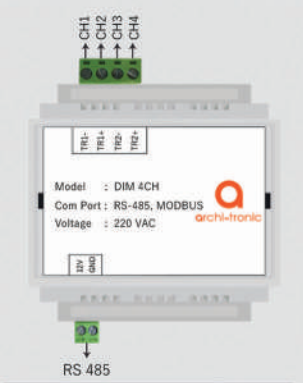
DIMMER 12CH

° Analog : 0-10V 12CH
° Comm Port : RS485, MODBUS
° Standard DIN Rail Type



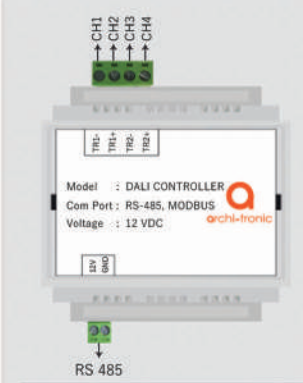
PWM 4CH

° Output : 4CH/5A per CH
° Comm Port : RS485, MODBUS
° Voltage : 12-24VDC
° Standard DIN Rail Type



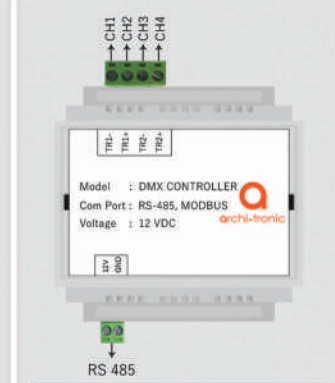
DIM 4CH

° Leading Edge: 4CH
° Comm Port : RS485, MODBUS
° Voltage : 220VAC
° Standard DIN Rail Type



DALI CONTROLLER

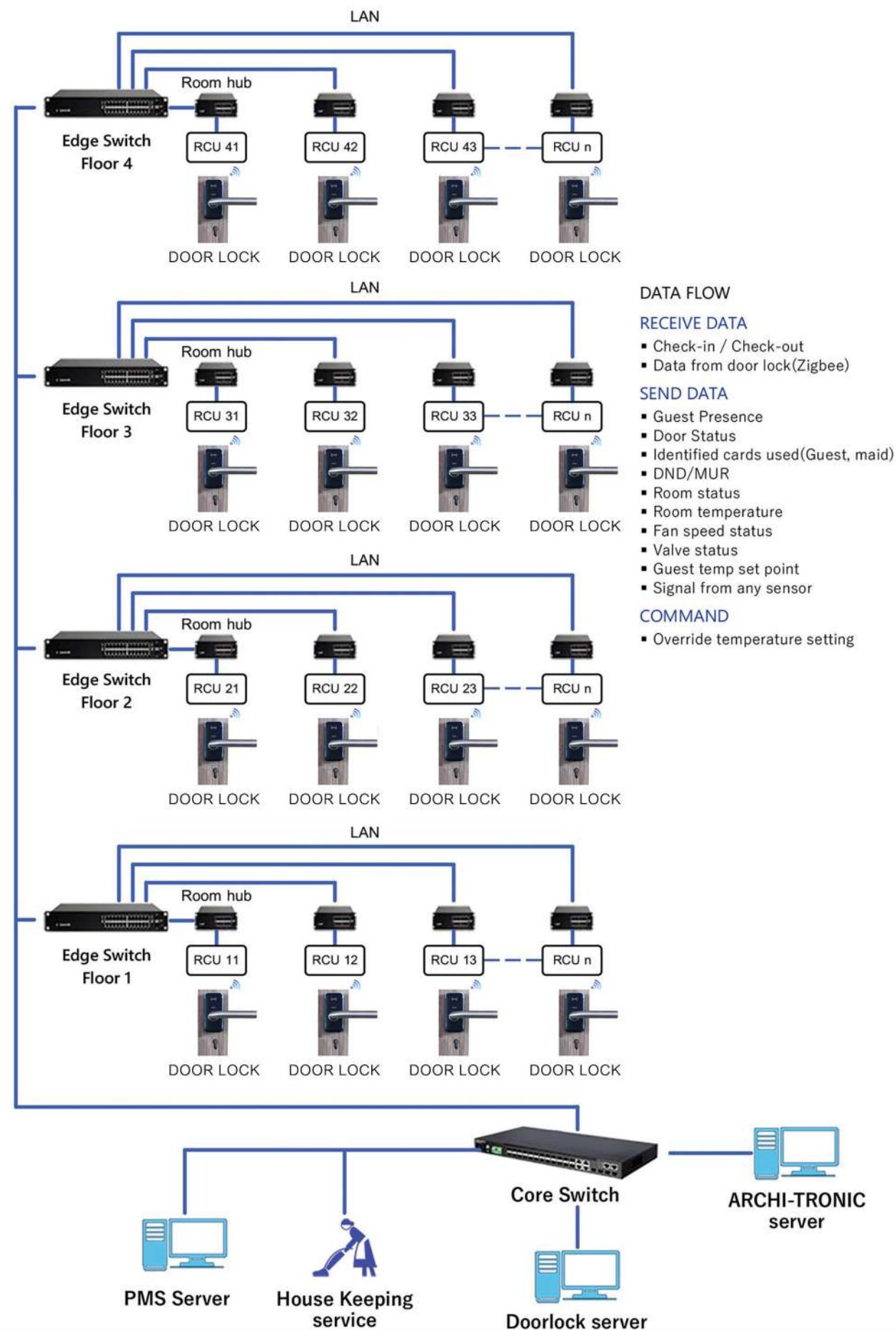
° Dali Controller (Dali protocol)
° Comm Port : RS485, MODBUS
° Voltage : 12VDC
° Standard DIN Rail Type



DMX CONTROLLER

° DMX Controller (DMX 512)
° Comm Port : RS485, MODBUS
° Voltage : 12VDC
° Standard DIN Rail Type

ARCHI-TRONIC NETWORK



PROJECT REFERENCES





Our Customers

OUR DISTIBUTORS

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