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Smart home made easy!

IP Intercom + Home Automation:

The Integrated Building Automation Solution

Joel Liu
HOMESCENARIO, INC.

Company Profile

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About HomeScenario

HomeScenario, Inc. offers *cloud-enabled* solutions for **Alarm & Acces Control, IP Intercom, Video Surveillance, Home Automation, Audio/Video, and Energy Management.** Integrating technologies of wireless control and broadband networking, the HomeScenario solutions make comfort, convenience, safety, security, and eco-friendliness available without the need of extensive and costly remodeling. Our products are designed to work seamlessly with systems such as lighting, thermostat, door access, window shades, security monitoring, audio/video, and more. All of them can be controlled easily through remote, touch screen, PC, or smart phone.

Please visit www.homescenario.com for more product information.

Corporate

- Founded: Dec. 2007
- HQ: Taipei, Taiwan
- Market Presence: Greater China, SE Asia, Middle East, Europe

Systems installed in 5,000+ houses every year!!!

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Dr. YC Wang/CTO
Ph.D., UC Irvine; CTO, REDSonic; Senior Director, Alpha Networks

Joel Liu/CEO
CEO, REDSonic; BU Head, D-Link

INC NSC

Taipei 101
Taipei, Taiwan
Smart Office/Energy Management

Naked Resort
Zhejiang, China
Guest Room Energy Mgmt

Uptown
New Taipei, Taiwan
IP Intercom

Bell University
Shanghai, China
Smart Classroom

Idea Business Center
Taipei, Taiwan
Smart Office

【Xinyi 18】
Taipei, Taiwan
Smart Home

NTU/Intel Innovation Center
Taipei, Taiwan
Smart Office/Meeting Room

HomeScenario Solutions

- **Alarm & Access Control**
- **IP Intercom**
- **Video Surveillance**
- **Home Automation**
- **Audio/Video**
- **Green Home/Smart Energy Mgmt**

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Home Automation

Home Theater

Smart Meeting Room

Smart Access Control

Building Automation

Green Home

IP Intercom + Home Automation

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The New IP Intercom

- *Not just the video door phone*
- *With integrated technology and touch panel, the intercom touch panel is also your* **portal to Smart Home**
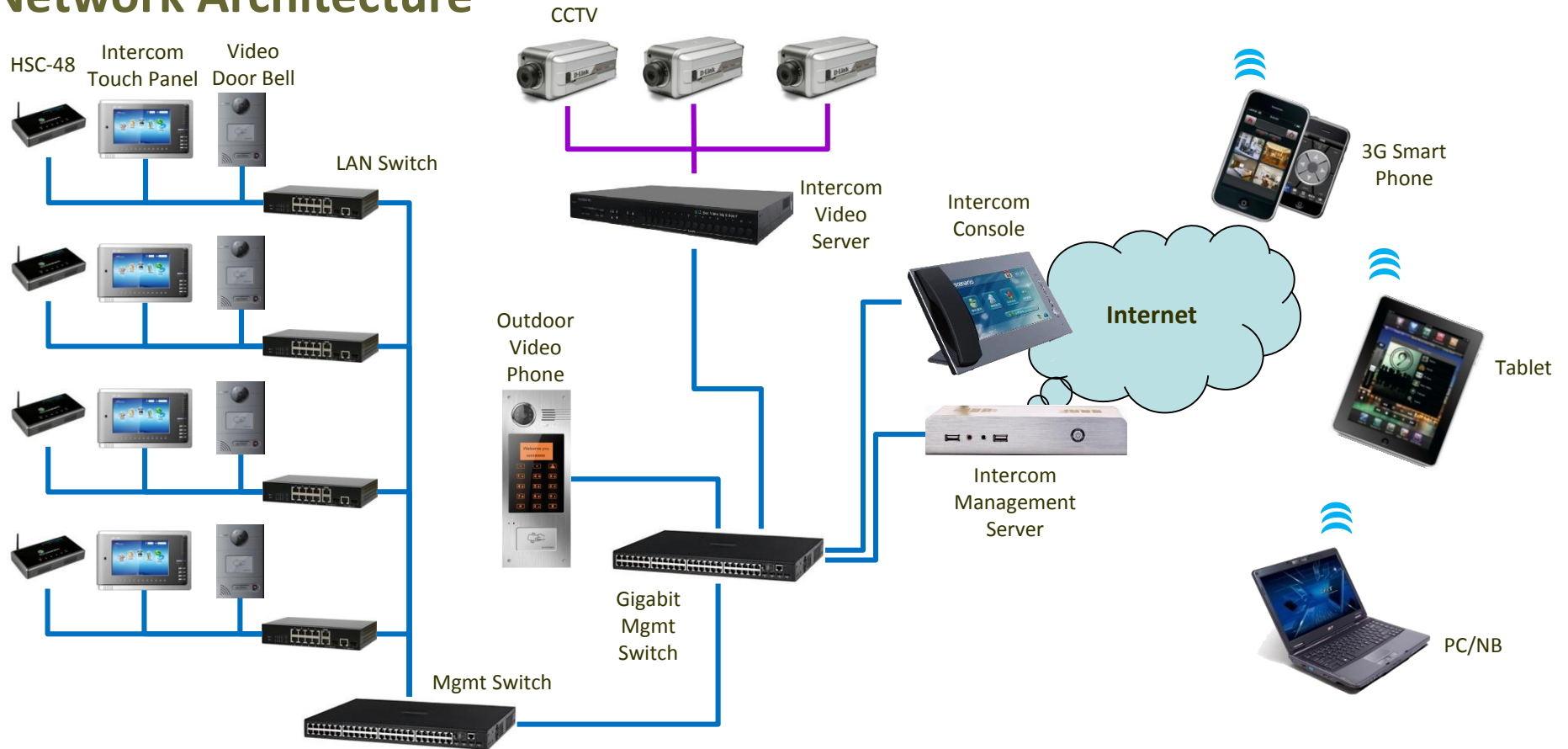
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- Home Control
- Alarm System
- Access Control
- IP Video Intercom
- Green Home
- Info Center
- Remote Monitor

- TCP/IP architecture – scalable, inter-operable & easy-to-deploy
- Fully integrated features
- Touch screen, user-friendly interface
- Can be accessed & monitored from anywhere
- Flexible for value-added services, e.g. news, weather
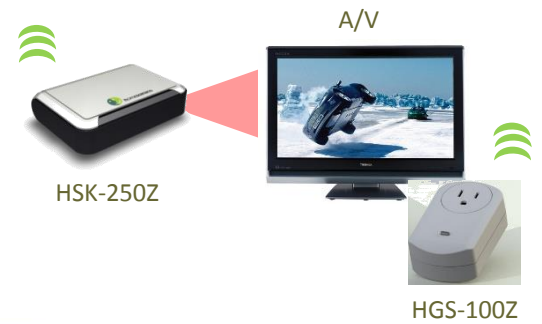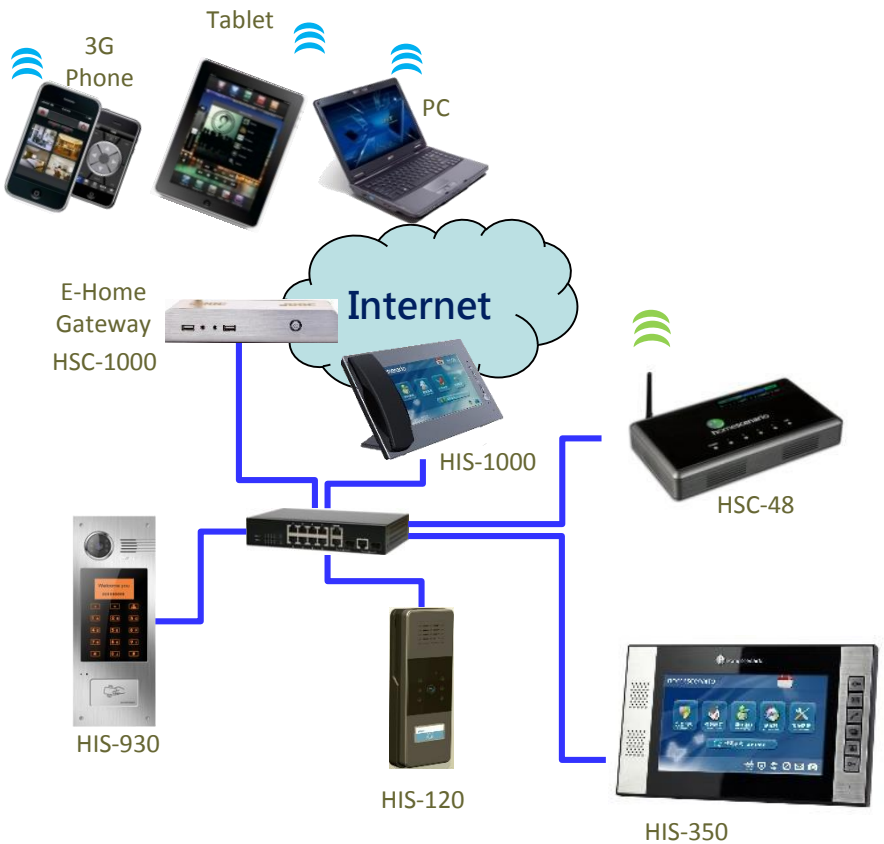
Building Automation Network Architecture
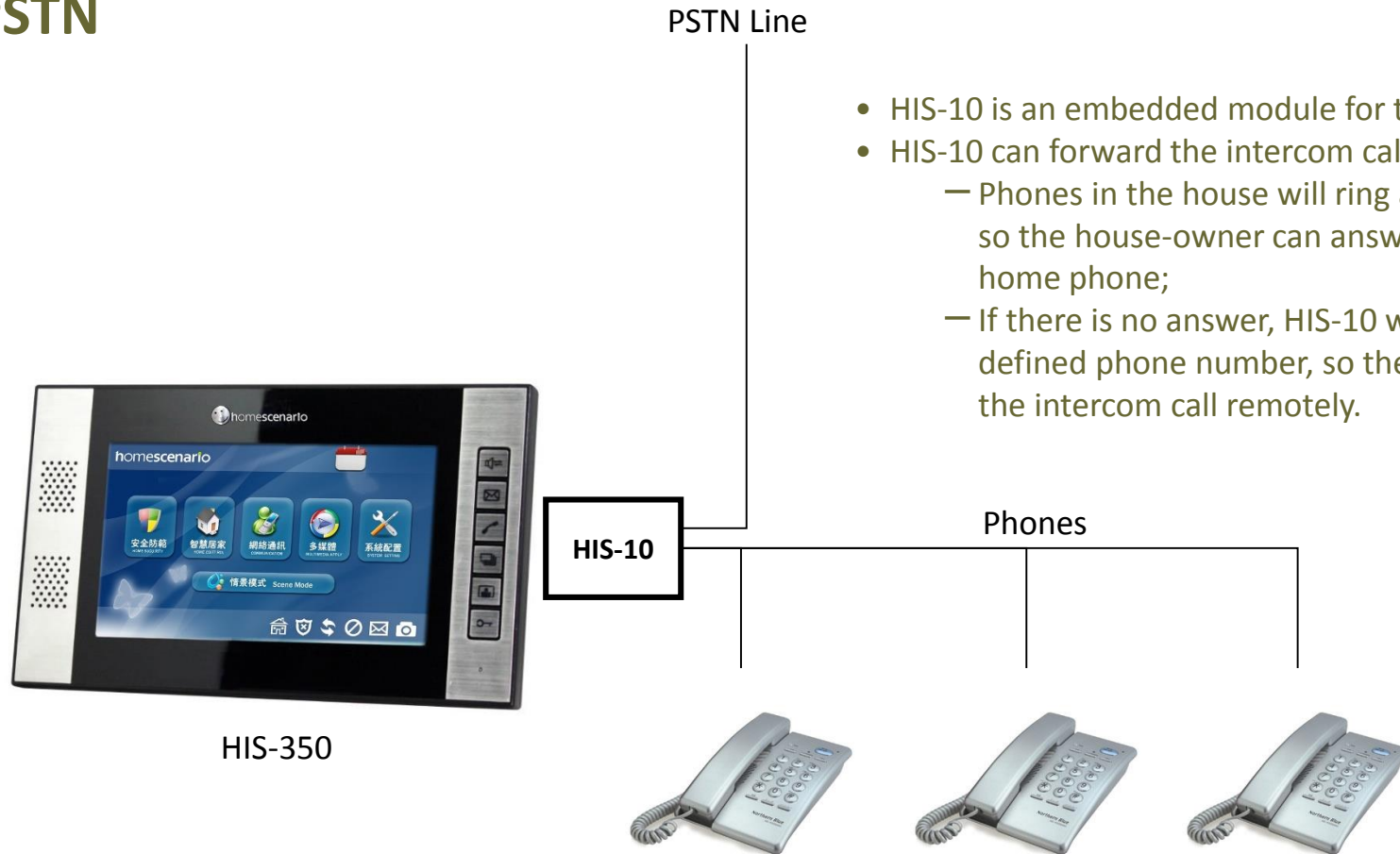
Coaxial — **Wi-Fi/3G** 〰

IP ——

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CCTV

HSC-48   Intercom Touch Panel   Video Door Bell

LAN Switch

Intercom Video Server

Intercom Console

3G Smart Phone

Outdoor Video Phone

Internet

Tablet

Intercom Management Server

Gigabit Mgmt Switch

PC/NB

Mgmt Switch

Building Automation Application Diagram

Z-Wave

Wi-Fi/3G

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3G Phone

Tablet

PC

Curtain

HSM-300Z

E-Home Gateway HSC-1000

Internet

HIS-1000

HSC-48

Wired Sensors

A/V

HSK-250Z

HGS-100Z

HIS-930

HIS-120

HIS-350

Wall Panel

HGS-110Z/120Z

Light

Valve

Daikin Control Wiring

3G Phone

Tablet

PC

Daikin Indoor Unit **FQDP28BVC**

E-Home Gateway HSC-1000

Internet

HIS-1000

Daikin Wall Panel **BRC1C61**

P1 P2

P1 P2

HSC-48

HAC-210/220

HIS-930

HIS-120

HIS-350

RS-485 Converter

D+
D-
GND

Call Forwarding to PSTN

PSTN Line

- HIS-10 is an embedded module for the HIS-350;
- HIS-10 can forward the intercom call to **PSTN** phone system:
  - Phones in the house will ring as intercom call comes in, so the house-owner can answer the intercom call by home phone;
  - If there is no answer, HIS-10 will dial out to a pre-defined phone number, so the house-owner can answer the intercom call remotely.

HIS-10

Phones

HIS-350

Features

![homescenario logo]

- **IP Intercom:**
  - Indoor touch panel vs outdoor video phone
  - Indoor touch panel vs video door bell
  - Door to door intercom
  - Call mgmt center operator

- **Access Control:**
  - Via mgmt center
  - Via touch panel
  - Via keypad or RFID reader

- **Alarm System:**
  - System arm/disarm
  - Instant alert to mgmt center
  - Instant siren alert
  - Instant alert to user via e-mail/SMS (optional)

Features (cont'd)

- **Information Feeds:**
  - Publish news/announcements from mgmt center
  - Temperature, weather, etc.
- **Home Automation:**
  - Home controls:
    - Lighting on/off/dim
    - Appliance on/off
    - Window shades
    - Thermostats
    - Audio/video
  - Scenario control, one touch does it all
  - Control via touch panel, smart phone, remote
- **Control Anywhere:**
  - Via 3G or internet
  - SMS
  - IP surveillance

Applications

MDU/MTU

Hotel

Residential

Dormitory

Office
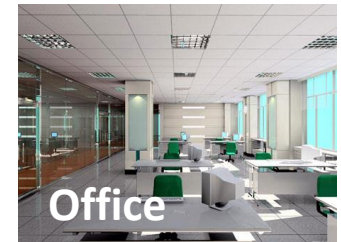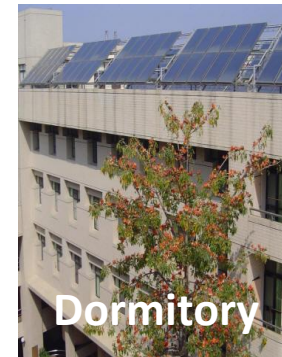
Intercom User Interfaces

HomeScenario Solution Advantage

- **Flexible, scalable, powerful**

- **Well integrated total solution: IP intercom + home automation**

- **IP based, can be viewed and controlled from anywhere via the Internet**

- **Wireless control technology, greatly reduces installation efforts**

- **Open architecture, easy to integrate value-added services and maintain**

Main Products

Outdoor Video Door Phone

HIS-930

Features	Technical Spec
• CCD camera • 3.5" LCD display • LED for night vision • Keypad for dialing room number • RFID reader (optional) • Water splash proof • IP intercom with indoor intercom and mgmt. center • Controls door lock from local, indoor video phone, or mgmt. center	• Power 12V • LAN RJ-45 • I/O Lock/Open • Installation In-wall • Dimension: 155x375x46.5mm

Indoor Touch Panel

HIS-350 (7")

HIS-410 (10")

Features	Technical Spec
• Capacitor touch panel • Hot keys for intercom • User interface for controlling lighting, HVAC, window shades, etc. • Video intercom with outdoor video phone, mgmt. center, and neighbors • Live camera monitoring • Alarm system support • Shows information announcements from the mgmt. center	• Power 12V • LAN RJ-45 • DI 6x (HIS-350), 8x (HIS-410) • Siren 1x • Serial RS-485 (HIS-410) • Dimension: 247x146x26mm (HIS-350), 280x214x28.5mm (HIS-410)

Video Door Bell

HIS-120 **HIS-150/150C**

Features	Technical Spec

• CCD camera (HIS-150/150C), CMOS camera (HIS-120)
• LED for night vision
• RFID reader (Mifare) for access control (HIS-150C)
• IP-based, can be placed in multiple locations
• Intercom with HIS-350/410
• Controls door lock
	• Power 12V
	• LAN RJ-45
	• I/O Lock/Open
	• RFID Mifare (HIS-150C)
	• Dimension:
	  – HIS-120: 66x184x26mm
	  – HIS-150/150C: 116x192x47mm

Intercom Console

HIS-1000

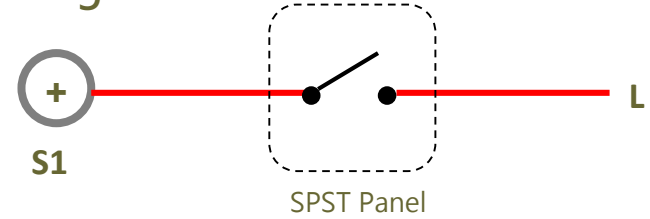| Features	Technical Spec
• 9" touch panel LCD display • High-end metal outlook • IP intercom with indoor panels and outdoor video phones • Provides handset for intercom • Monitors video and controls door lock for outdoor video phone	• Power 12V • LAN RJ-45 • Panel 9" touch panel • Dimension: 303x195x29.5mm

Wi-Fi Control Gateway

HSC-48

- Bridges between IP and RF networks

- Supports 802.11b/g/n access point

- Supports Z-Wave 2-way mesh networking, RF range up to 30m indoors

- Provides USB, RS-485 and digital input/output interfaces

- Wirelessly controls various home systems, e.g. lighting, thermostat, door access, window shades, security monitoring, A/V equipment, etc.

- Works with HCM-110/125 IP cameras for remote monitoring

- Built-in web server for home control for the iPhone/ iPad/ Android/ PC

- Always updates system status to the portal and allows control from anywhere via the portal

- Can work with HIS-350/410 intercom panel and host server for large scale deployment
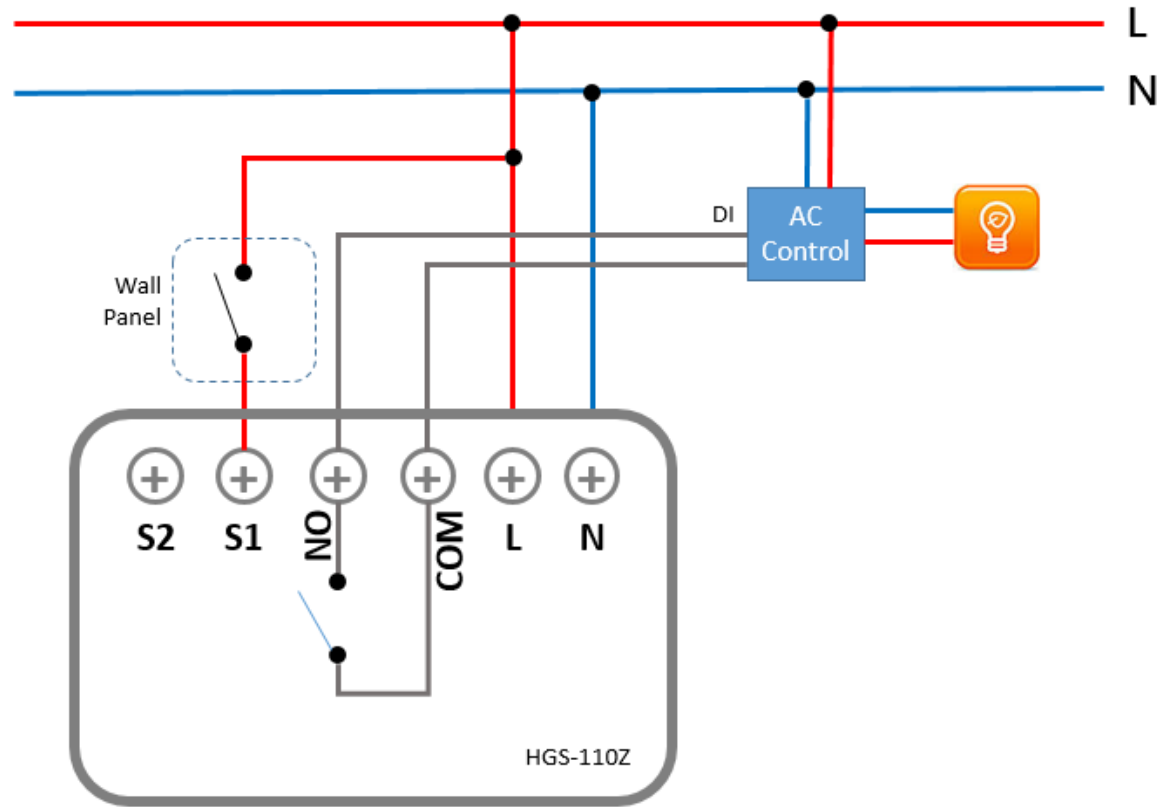
Lighting Control (HGS-110Z)
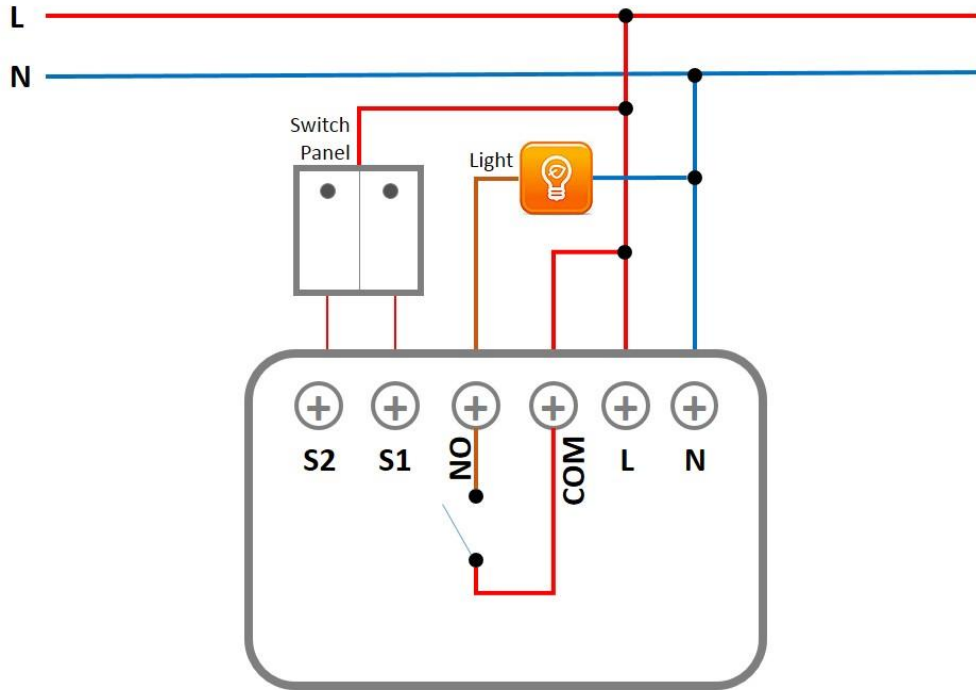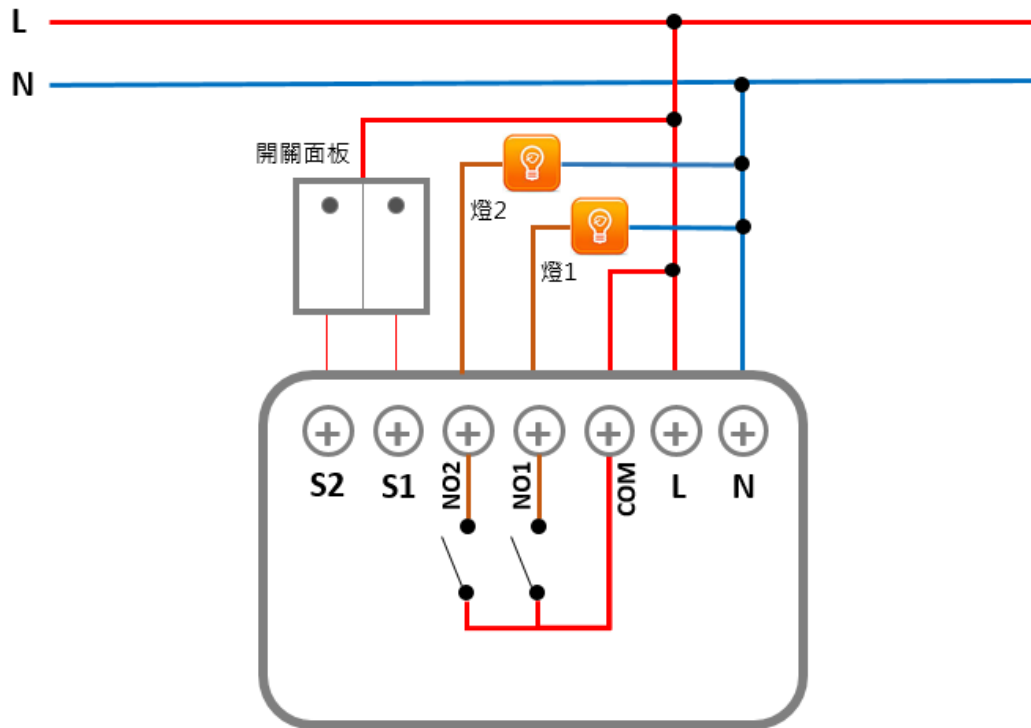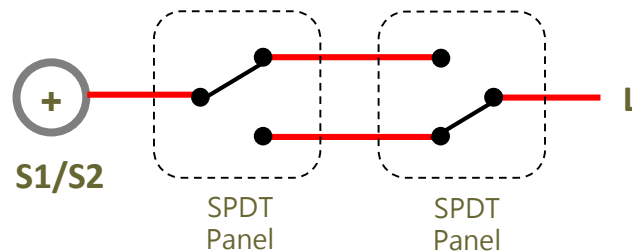

Single Pole:

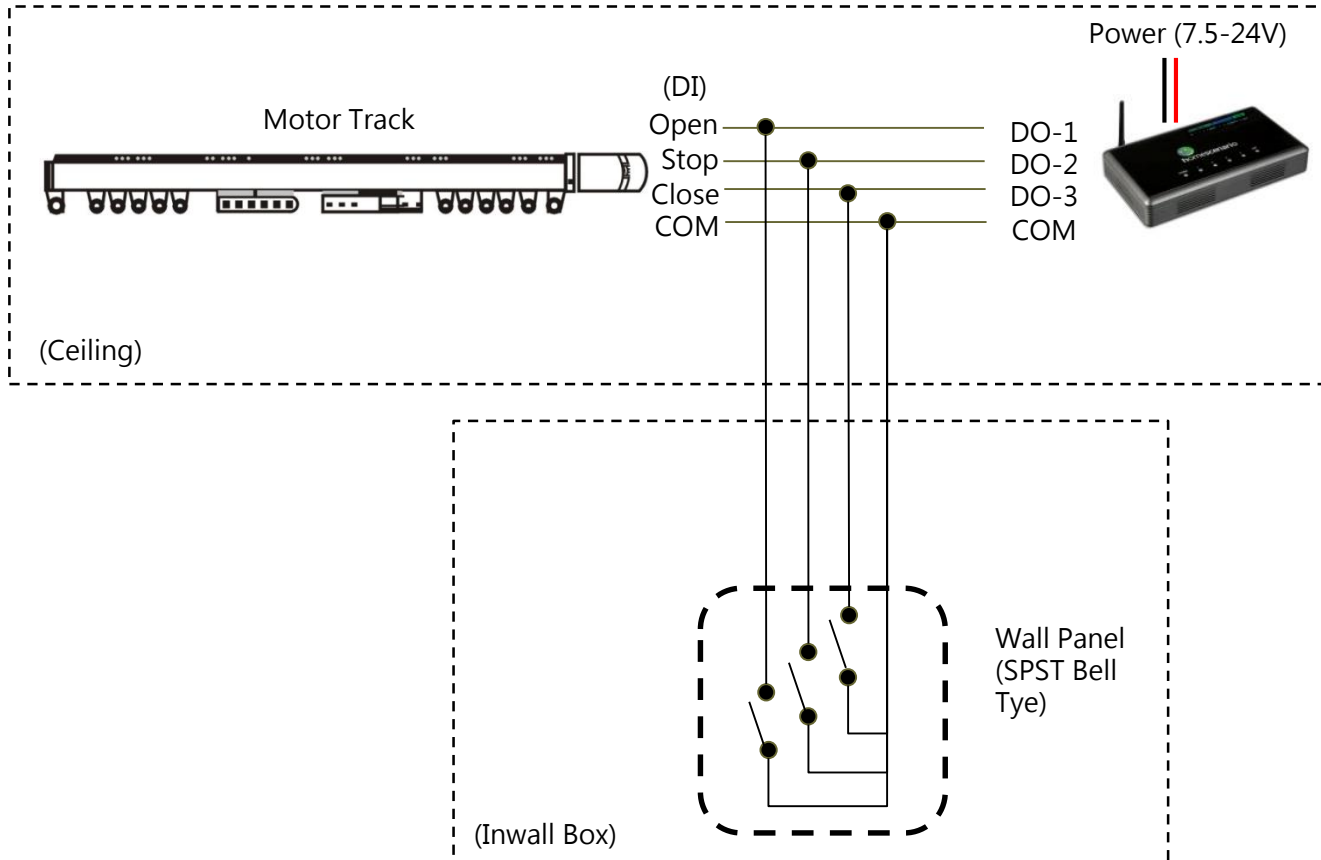**3-Way:**
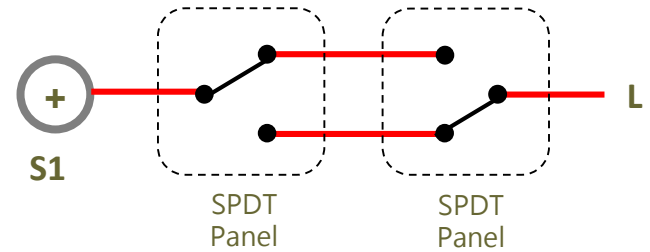
Main Power Control (HGS-110Z)

Lighting Control (HGS-120Z)

開關面板
燈2
燈1
S2　S1　NO2　NO1　COM　L　N

Single Pole:

+
S1/S2

SPST Panel

3-Way:

+
S1/S2

SPDT Panel

SPDT Panel

L
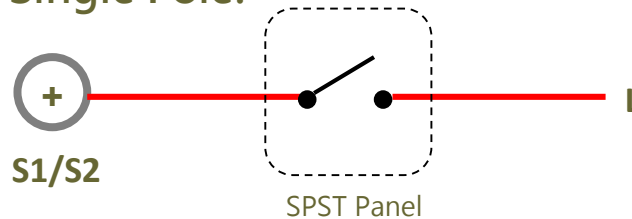
Window Shades Control (HSM-300Z)

Thank You

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