



Royal G4 Mini-Hornet
Mass Real Estate Solution 2021



Three Patents - One Amazing Product

Patent.P # 2020111179a All in One (Multi functional Panel with Features)

Patent.P # 2020111177a Universal Size (fits all electrical Back-boxes)

Patent.P # 2020111189b Enhanced Energy Smart Concept and sensors (HSB)

And has S-BUS Inside

Another Patented Technology

MINI-HORNET

Features advancement

All in One



Fits all Back-box sizes (Global)

Works with or without Neutral

Powerful On/Off Loads

Fast Installation

Retrofit (No Need to change Conventional wiring way)

Changeable Touch: function, Icon, Text , Color

Works 1 way, 2 way, multi way, multi-Room/Areas

Infra Red **AC** Control Built-In

Motion **sensor** Built-In

Temperature **sensor** Built-In

Million **color** Backlit **Touch** Buttons

No Radiation

Affordable

Stable and Durable

Easy to Use

Elegant & Colorful

LED Letted surrounds

Large Button Size

One Panel for Full Room Functions



Lighting



Temperature



Sound



Air-Conditioning



Under Floor Heating



Moods



SMART



Curtains



TV/Media



Security



Music



Energy Saving



Occupancy



Single Mini Hornet Usage Combination ability



3 Lighting Circuits/Channels/Folds
 IR Controlled Air Conditioning
 TV, DVD, Set top box IR Control
 Occupancy and Energy

2 Lighting Circuits/Channels/Folds
 1 VAV/Damper Central Air Conditioning
 TV, DVD, Set top box IR Control
 Occupancy and Energy

2 Security Siren/Flasher
 with Security Code Keypad
 Occupancy and Energy

2 Lighting Circuits/Channels/Folds
 1 Floor Heating Zone
 IR Controlled Air Conditioning
 TV, DVD, Set top box IR Control
 Occupancy and Energy

1 Lighting Circuits/Channels/Folds
 1 VAV/Damper Air Conditioning
 1 Zone under Floor Heating
 TV, DVD, Set top box IR Control
 Occupancy and Energy

3 Lighting Circuits/Channels/Folds
 Moods and scenes
 Occupancy and Energy

1 Lighting Circuits/Channels/Folds
 2 Floor Heating Zones
 IR Controlled Air Conditioning
 TV, DVD, Set top box IR Control
 Occupancy and Energy

1 FCU/AHU/Desert Cooler AC
 IR Controlled Air Conditioning
 TV, DVD, Set top box IR Control
 Occupancy and Energy

1 FCU/AHU/VAV Control
 FAN, and Temperature Presets
 Occupancy and Energy

1 Curtain/Shutter/Drape Motor Control
 Occupancy and Energy

1 Lighting Circuits/Channels/Folds
 1 Curtain/Shutter/Drape Motor control
 IR Controlled Air Conditioning
 TV, DVD, Set top box IR Control
 Occupancy and Energy

3 Under floor heating Zones
 IR Controlled Air Conditioning
 TV, DVD, Set top box IR Control
 Occupancy and Energy

1-3 Under Floor Heating
 Timer, Temperature control Presets
 Occupancy and Energy

2 Lighting Circuits/Channels/Folds
 1 Security Siren/Flasher
 IR Controlled Air Conditioning
 TV, DVD, Set top box IR Control
 Occupancy and Energy

2 Lighting Circuits/Channels/Folds
 1 Fountain/ Pool Pump
 IR Controlled Music
 Projector, DVD, Set top box IR Control
 Occupancy and Energy

Universal Use regardless of Location
 nor connection or load type
 Music, Moods, Scenes, TV Control
 Power saving, Access, Security,
 Motors, Boiler, Irrigation, +++
 Occupancy and Energy

I Can Change ICON,

I Can Change Text Language

Yes I Can ...



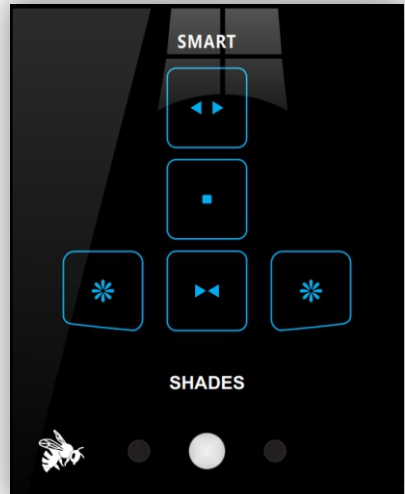
12T Universal
SB-Hornet-3R12T-UN/B

All in 1 Mini- Hornet

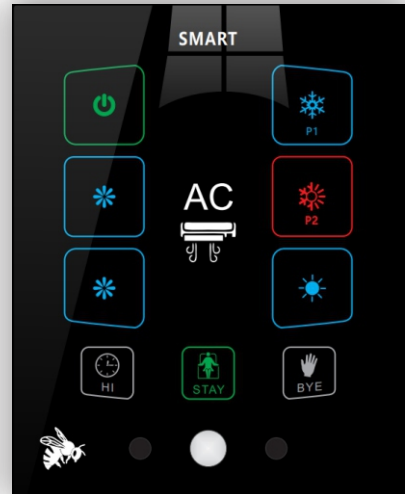
The Best Semi
DIY Solution
for 2021



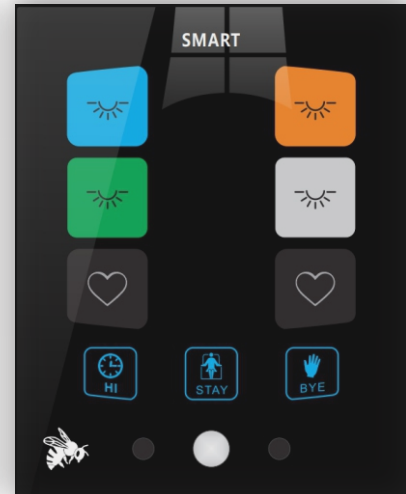
UFH
SB-Hornet-FH11T-UN/W



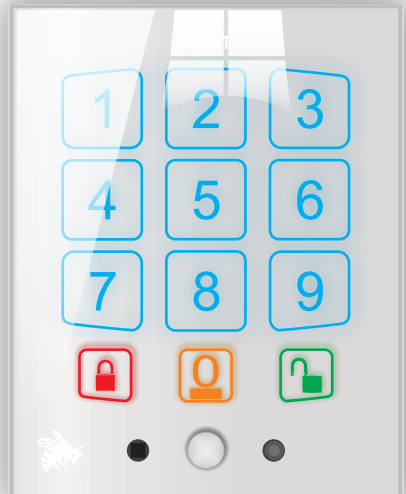
Motors
SB-Hornet-MTR3T-UN/B



FCU
SB-Hornet-FCU9T-UN/B



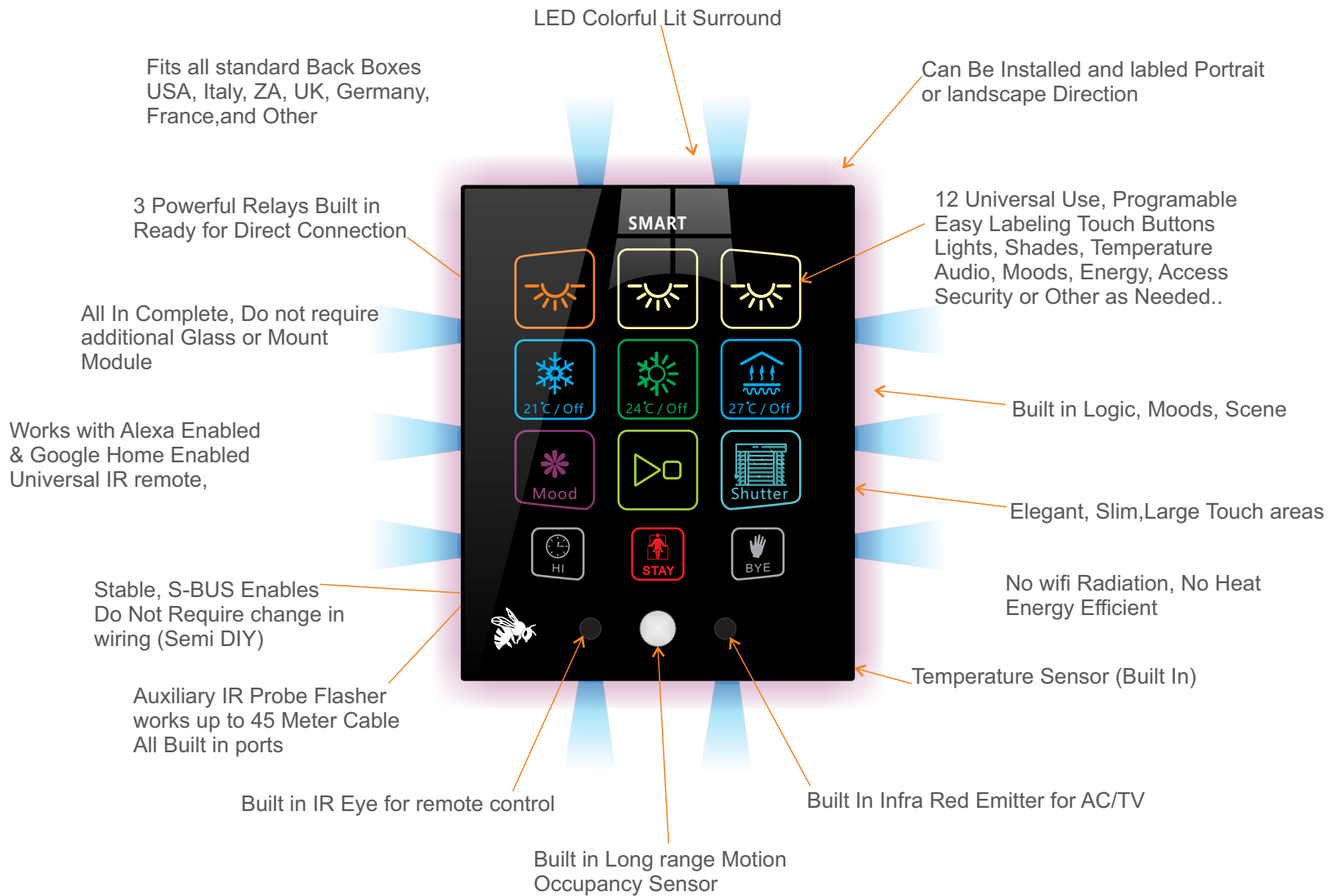
Lighting
SB-Hornet-3R9T-UN/B



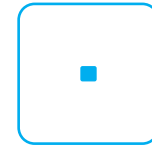
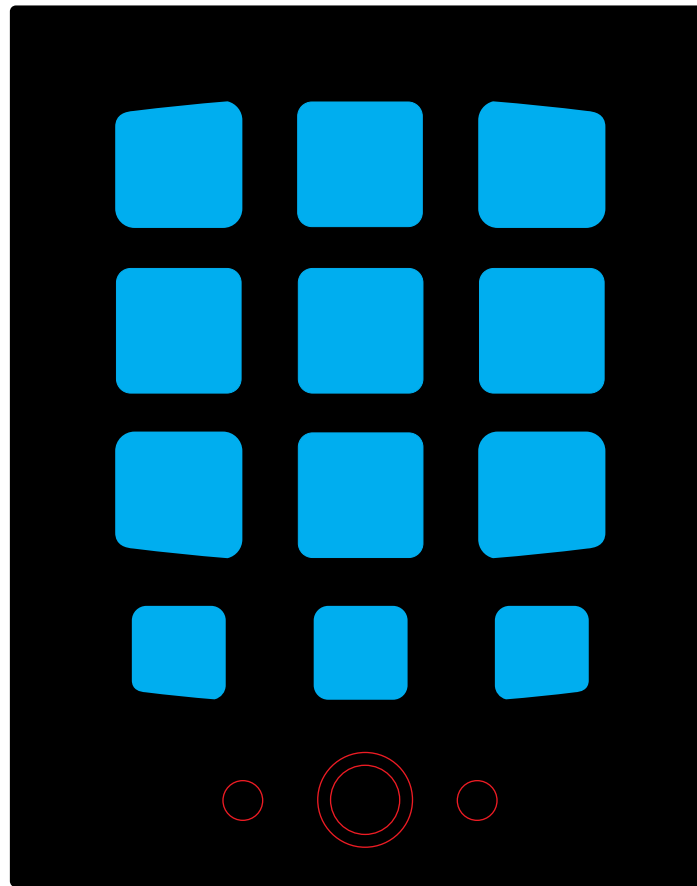
Security
SB-Hornet-Sec-UN/W

Every Panel has Built in: Temperature Sensor, 3 relays, PIR, IR Emitter & Eye
Installs on any Back Box Portrait or Landscape direction, each has 5Touch-12Touch Buttons universal



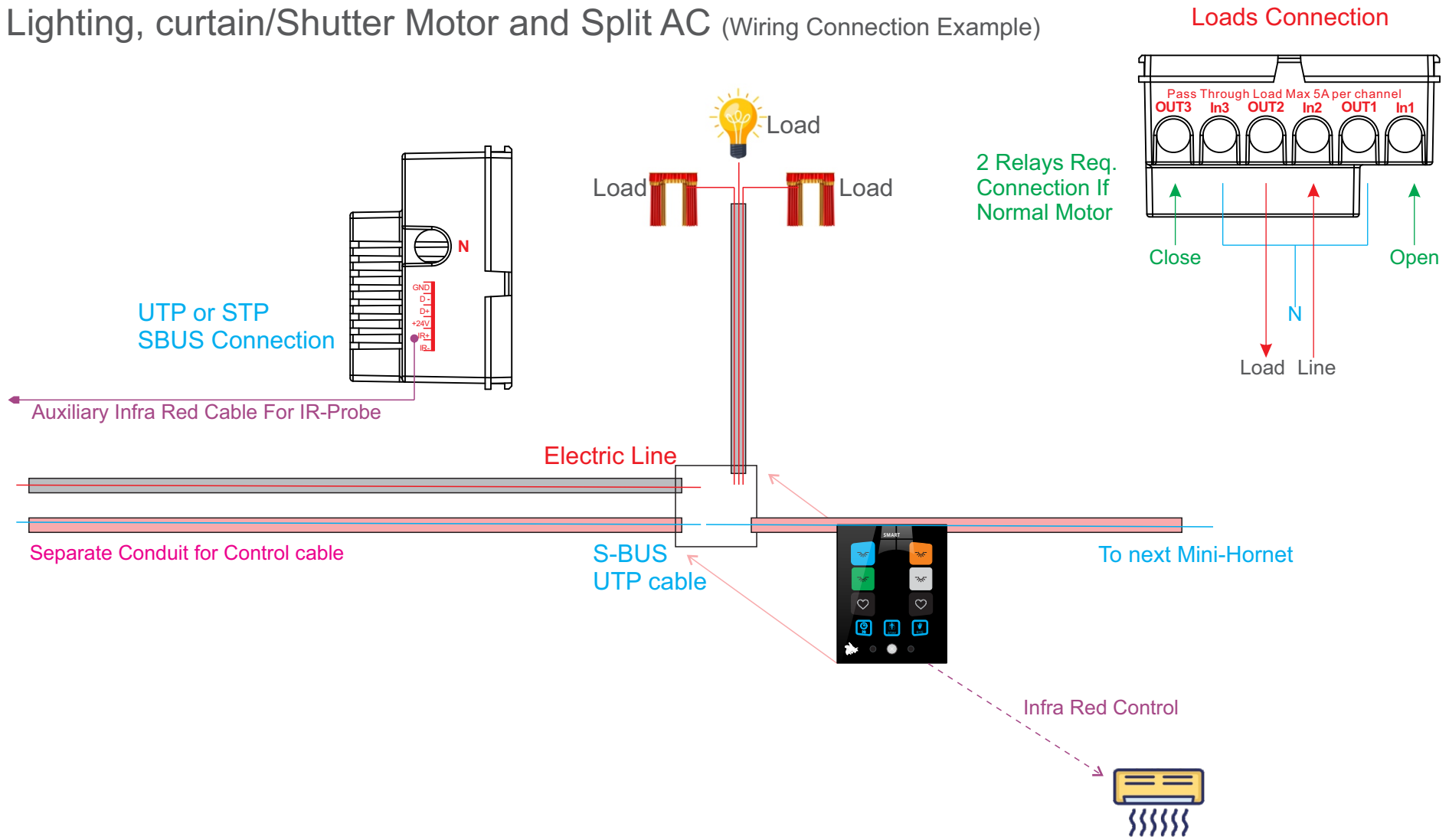


Create your custom Icons and Function



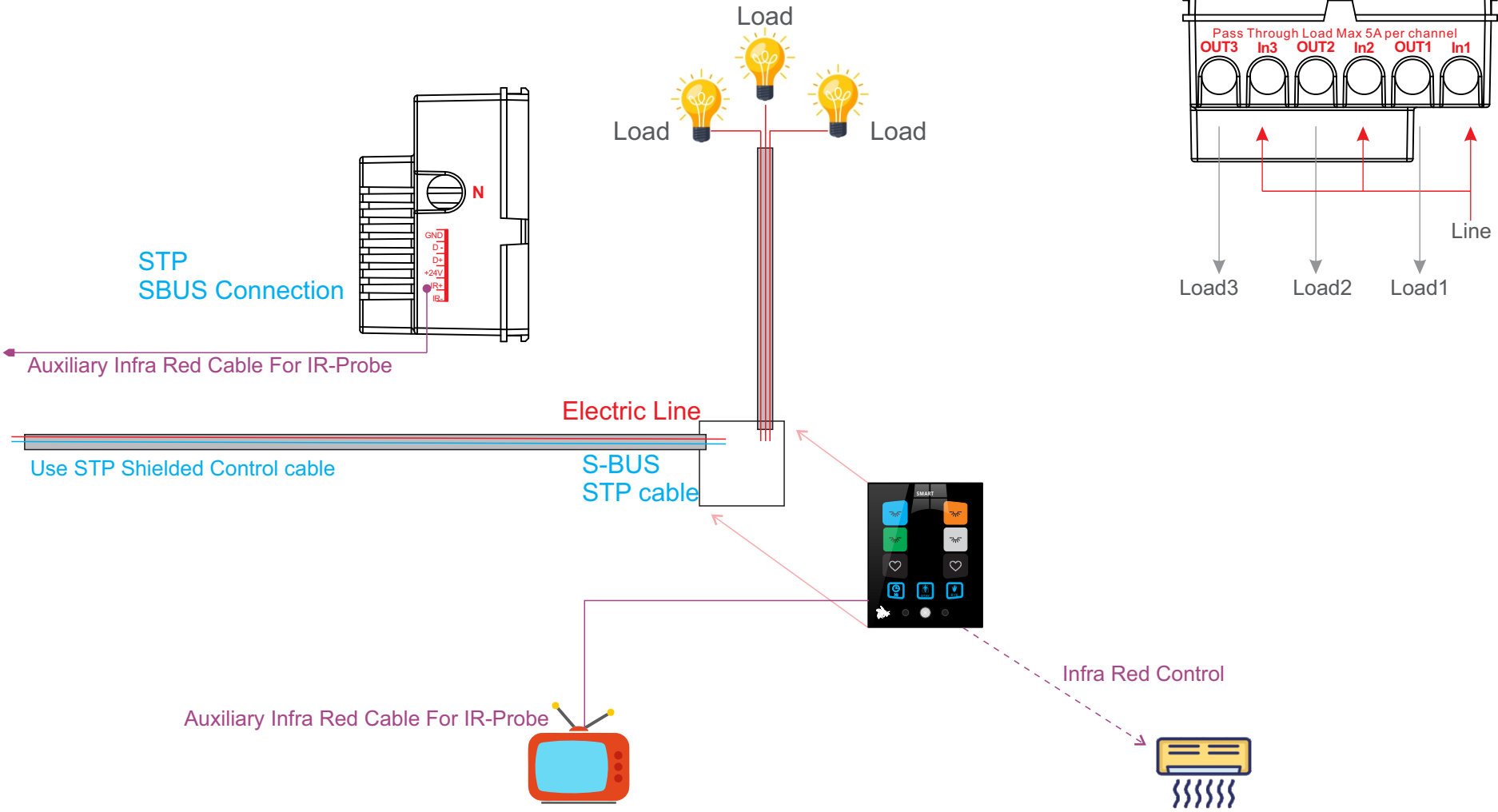
Using Mini-Hornet for New Project

Lighting, curtain/Shutter Motor and Split AC (Wiring Connection Example)



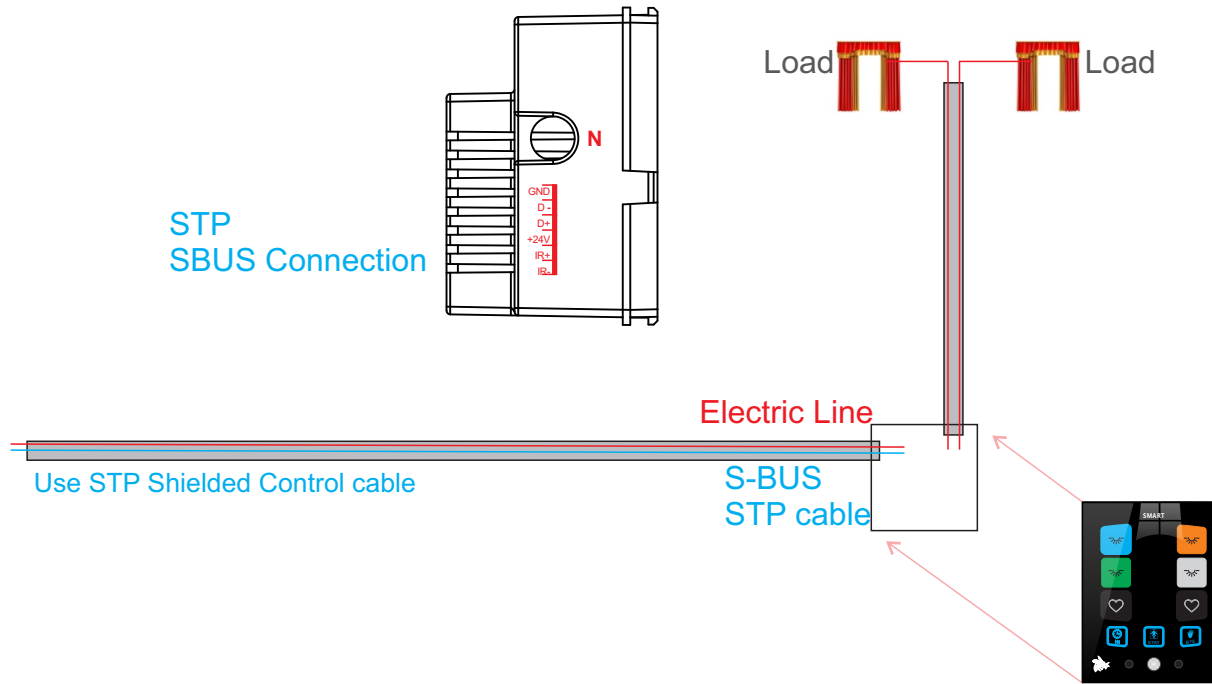
Using Mini-Hornet for Semi-DIY Project

Lighting Control (Wiring Connection Example)



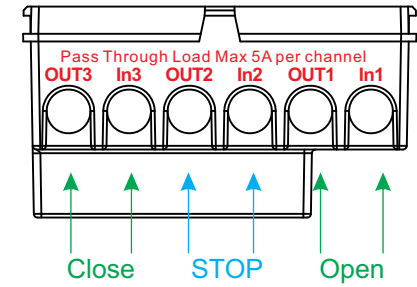
Using Mini-Hornet for Semi-DIY Project

Curtain/Shutter Motor (Wiring Connection Example)

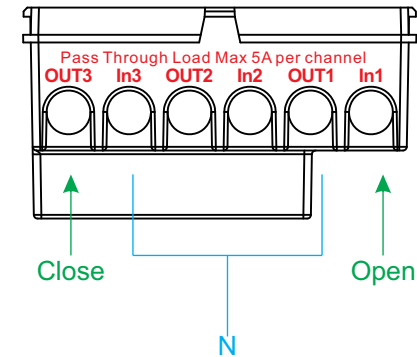


Loads Connection

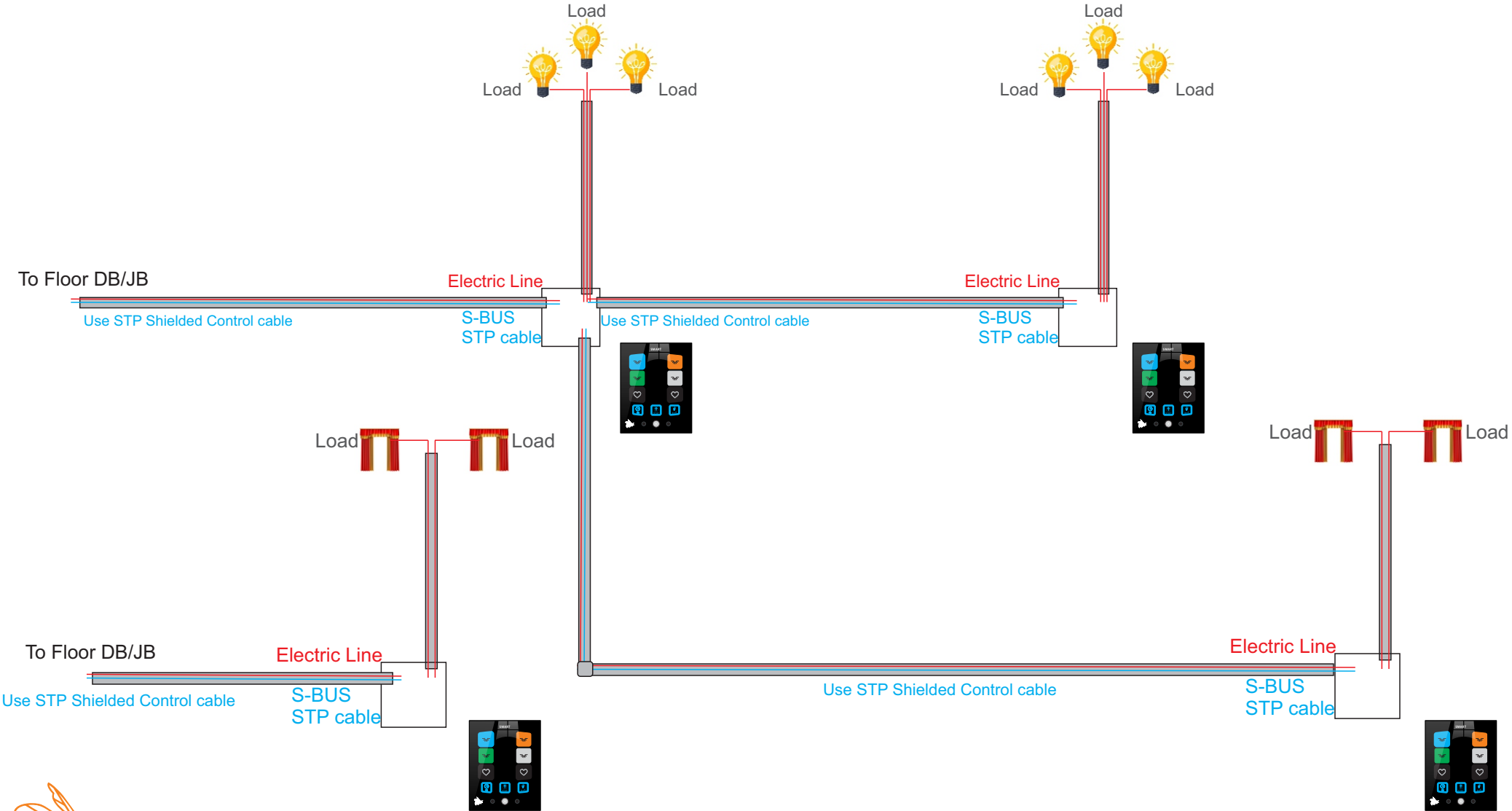
3 Relays Req.
Connection If
Somfi Motor



2 Relays Req.
Connection If
Normal Motor

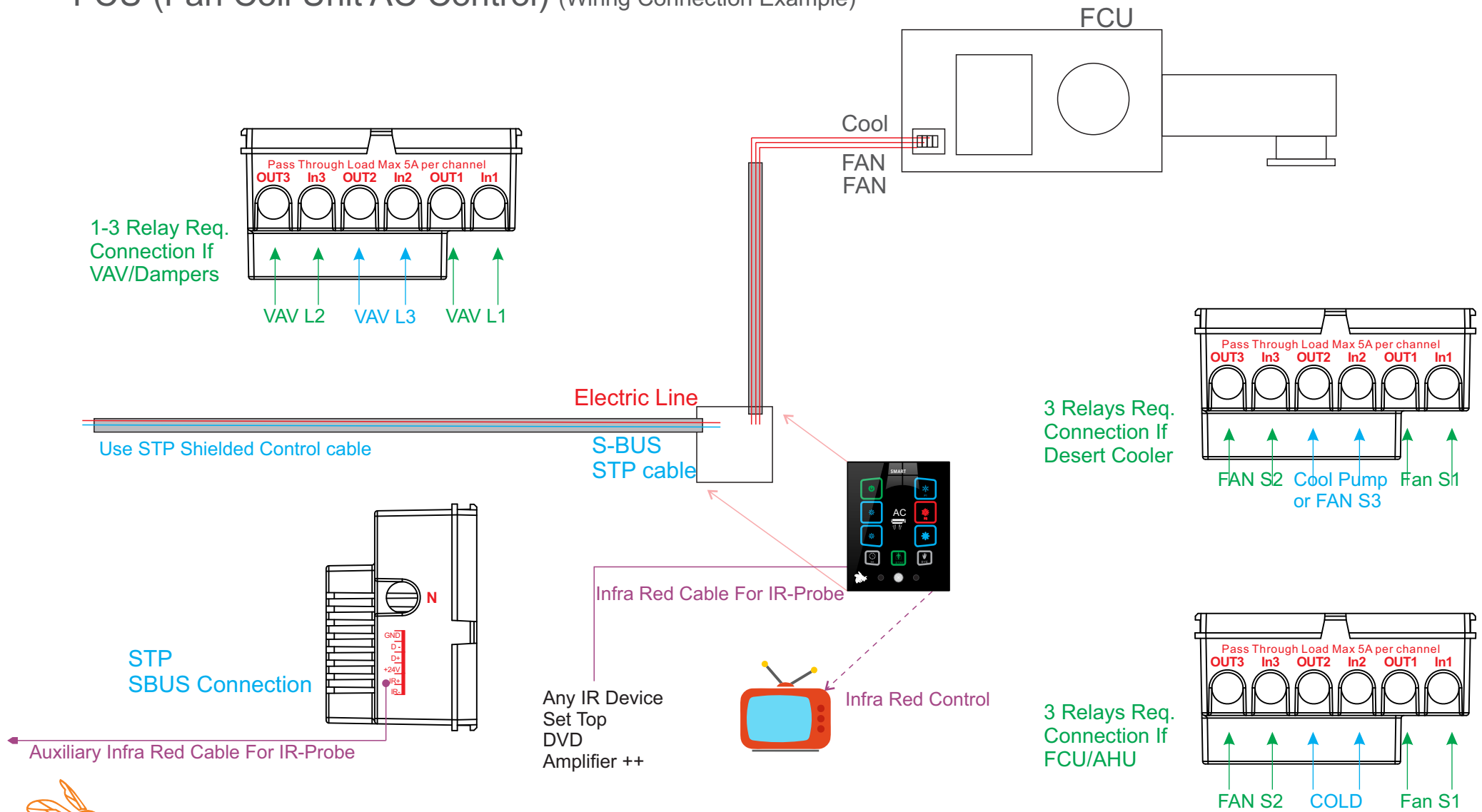


Multi Mini-Hornets Wiring Example



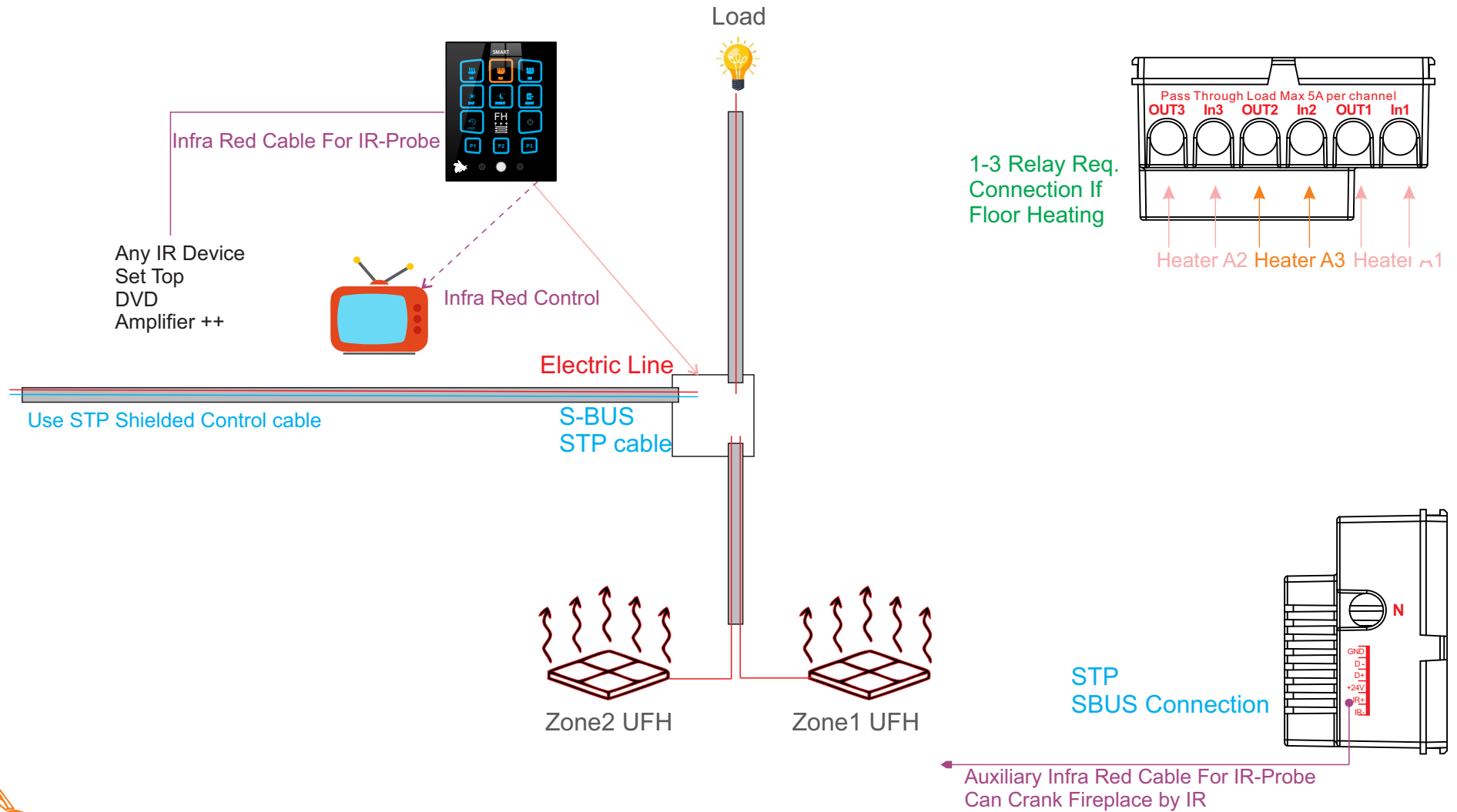
Using Mini-Hornet for Semi-DIY Project

FCU (Fan Coil Unit AC Control) (Wiring Connection Example)



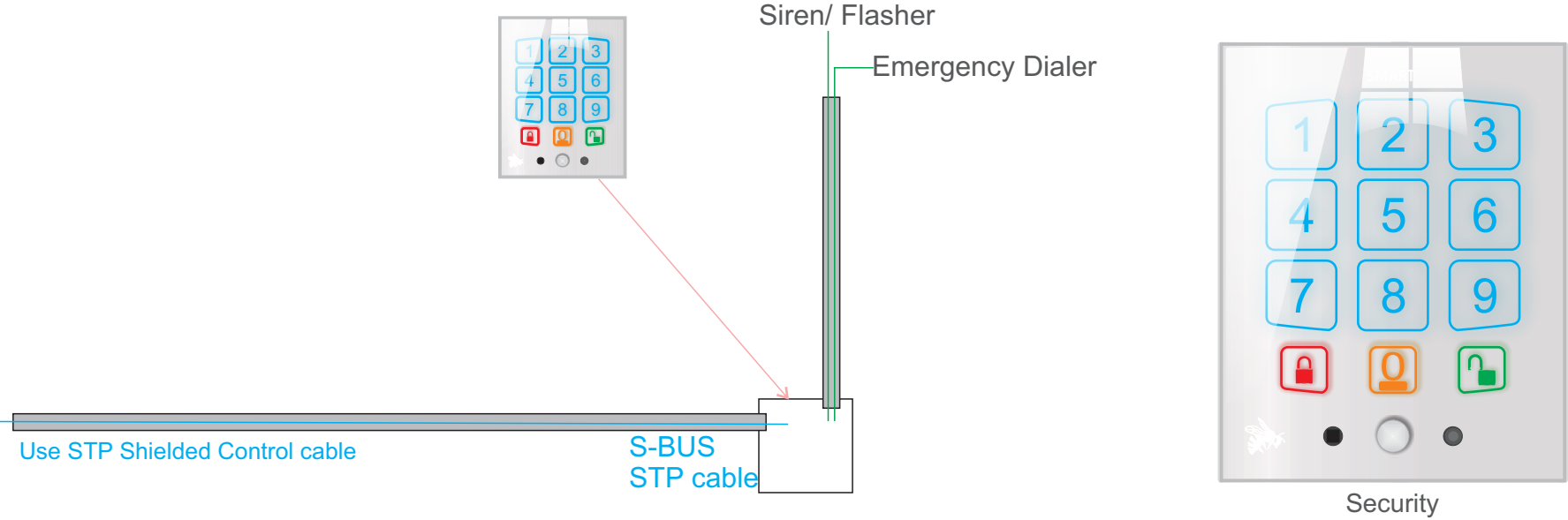
Using Mini-Hornet for Semi-DIY Project

UFH (Under Floor Heating Control) (Wiring Connection Example)



Using Mini-Hornet for Semi-DIY Project

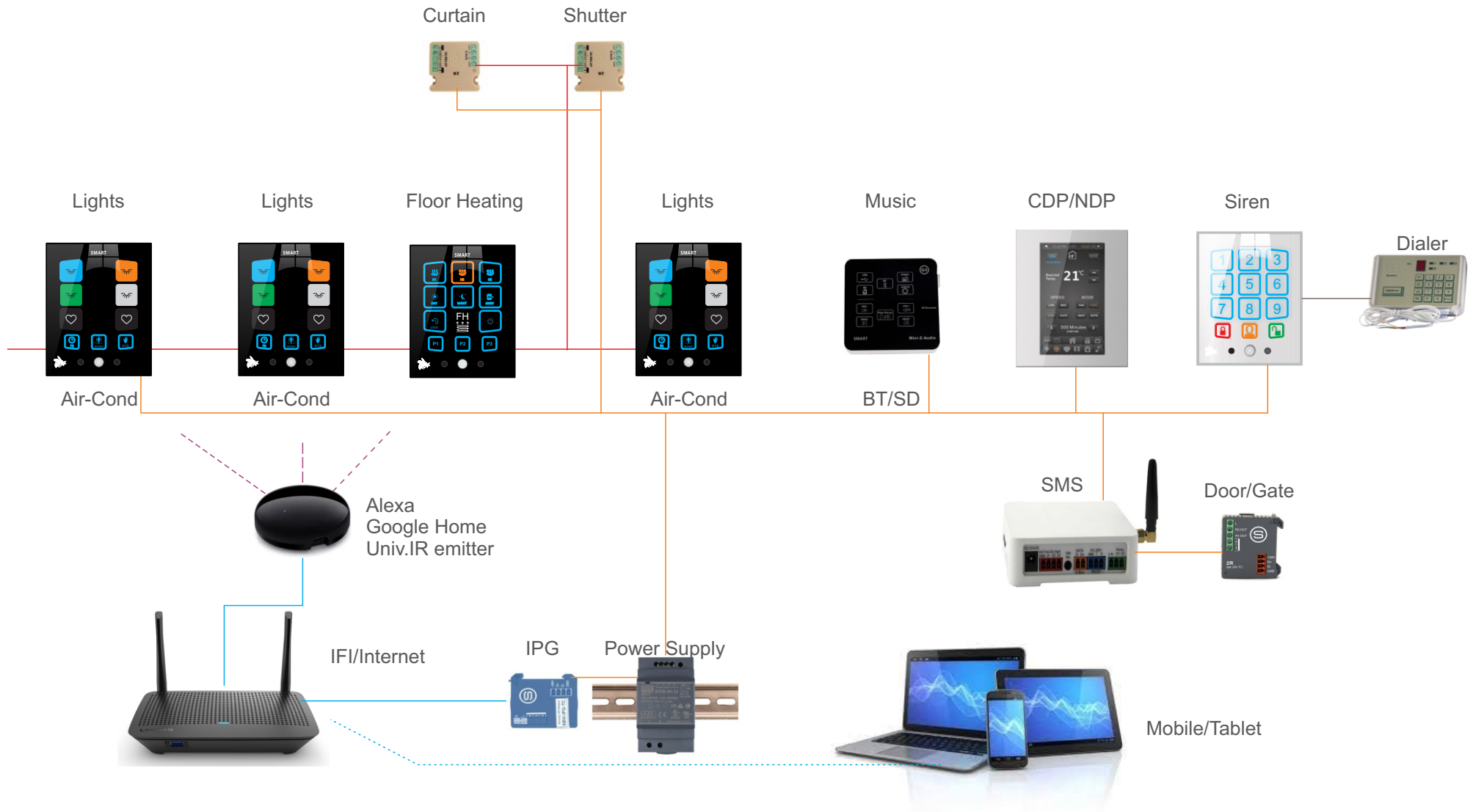
Security (Siren/Flasher/Dialer Control) (Wiring Connection Example)



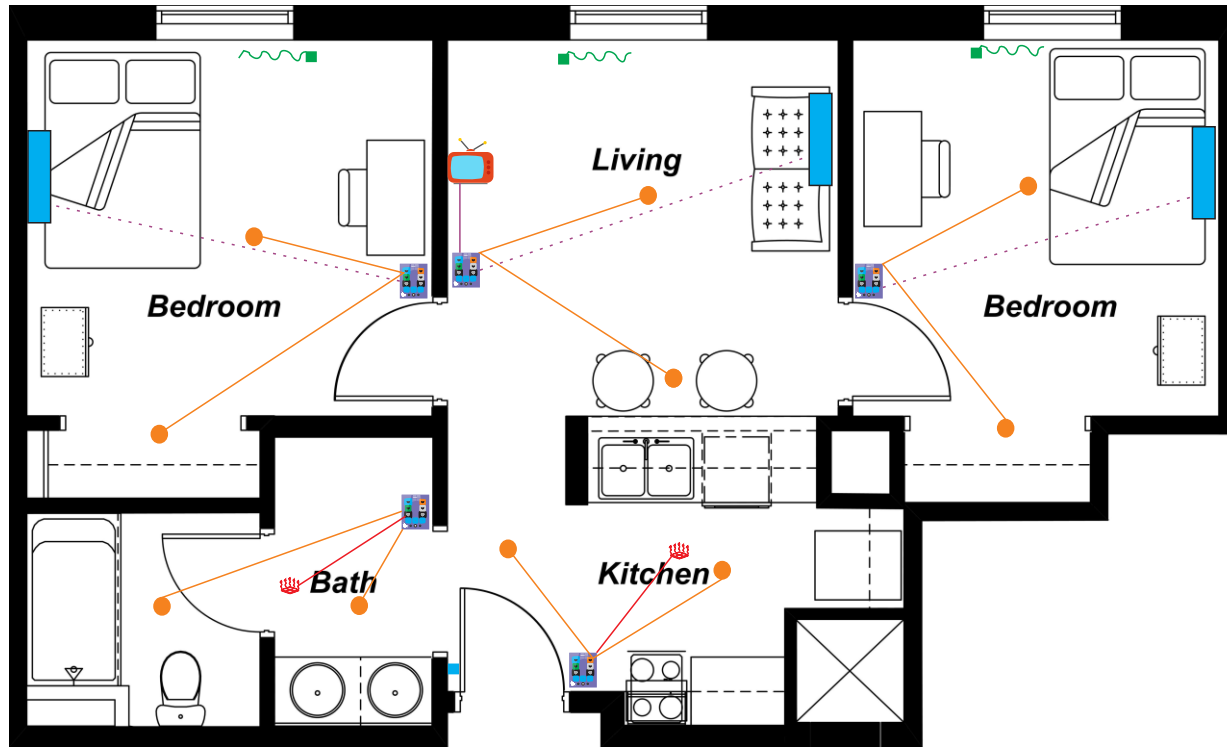
Note: Mini Hornet can be connected to any S-BUS device including SMS Module / RTU



Mixing Mini-Hornet with Other S-BUS Devices for Best Solution



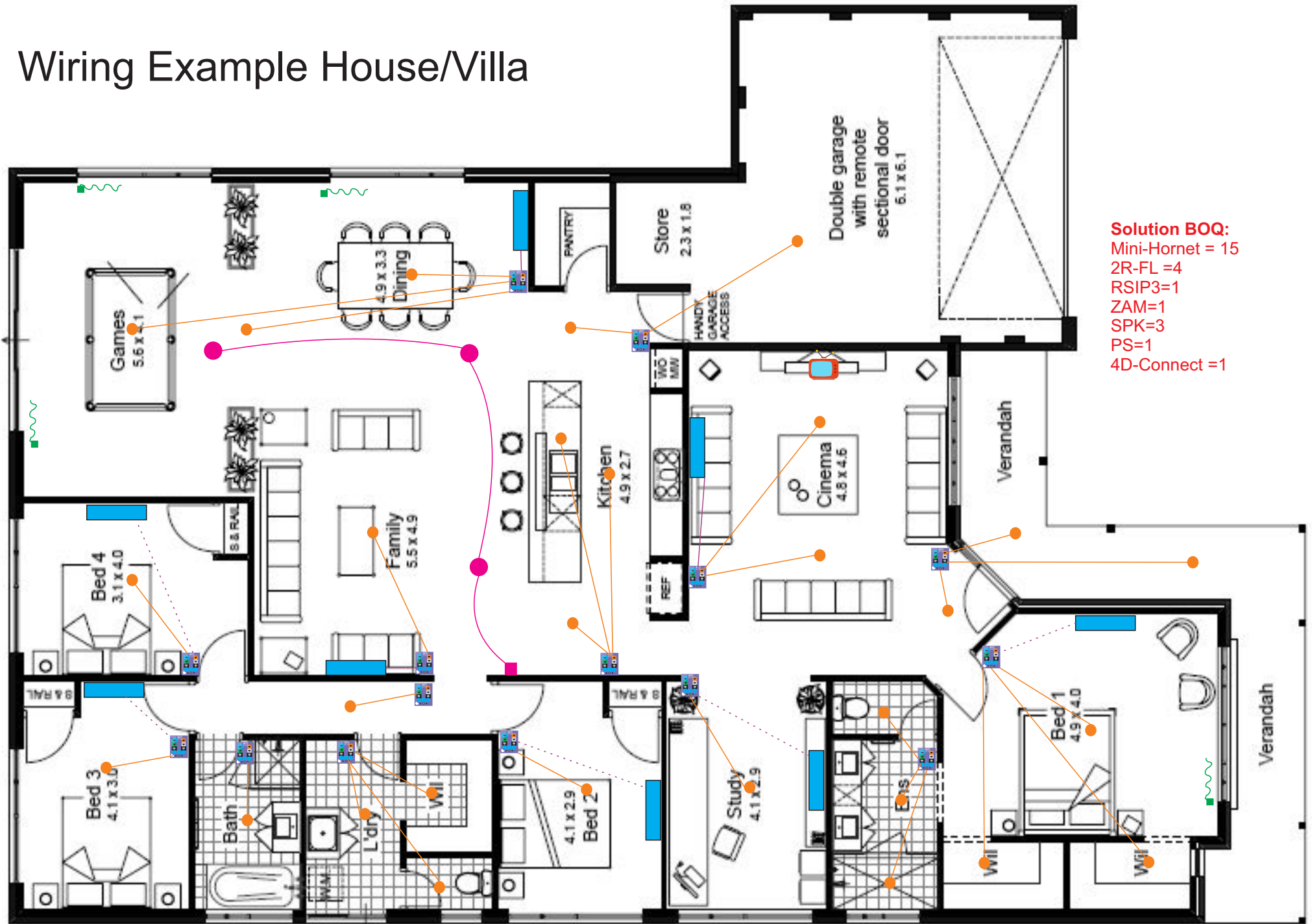
Wiring Example in an Apartment



Solution BOQ:
 Mini-Hornet = 5
 2r-FL = 3
 IPG=1
 4D-Connect = 1

- SB-2R-FL
- Lighting Channel
- SB-IPG-TC
- 🔥 Floor Heating Zone
- 📺 SB-Mini-Hornet-UN
- IR Controlled Air-Con
- 📺 IR Controlled TV / DVD
- ~~~~~ Motorized Shade
- Audio Player
- Speaker

Wiring Example House/Villa



- Solution BOQ:**
Mini-Hornet = 15
2R-FL = 4
RSIP3 = 1
ZAM = 1
SPK = 3
PS = 1
4D-Connect = 1



Complete Royal & Elegant
Super Stable and Simple
Solution Equipment
That Costs Less than a
single Laptop





CUTTING EDGE

ELEGANT

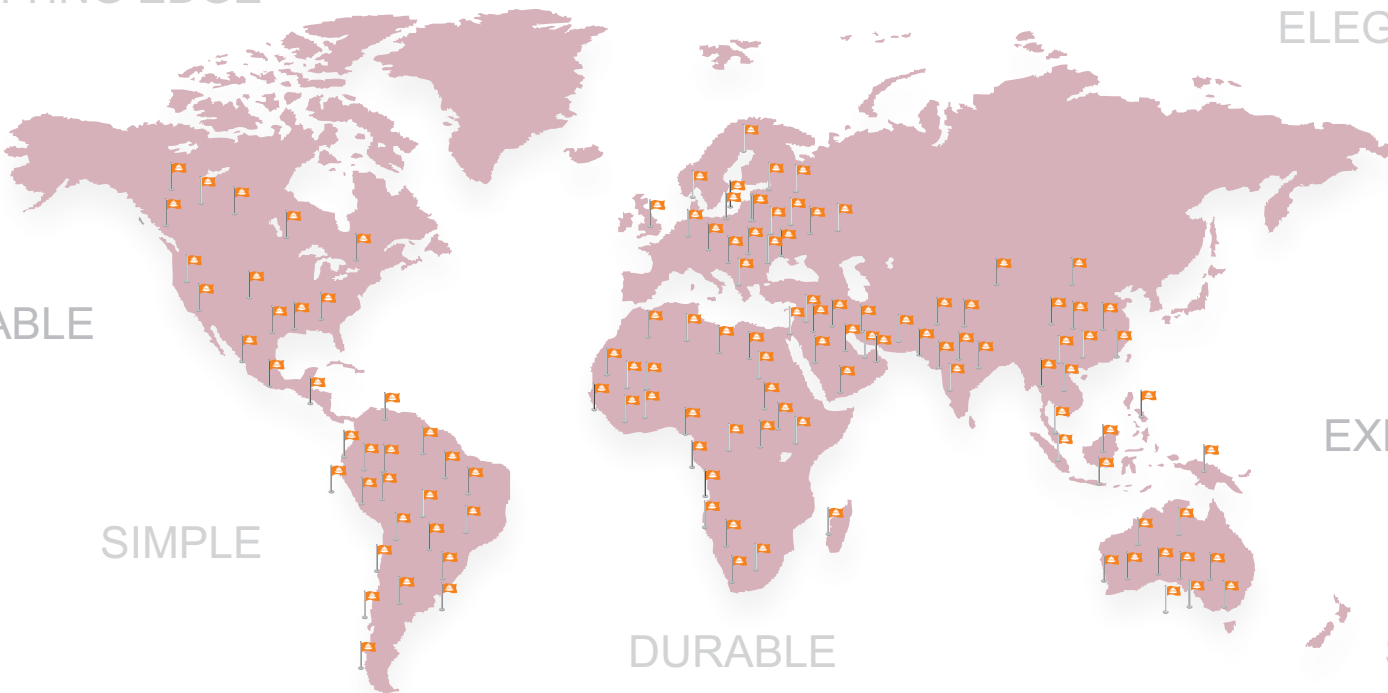
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