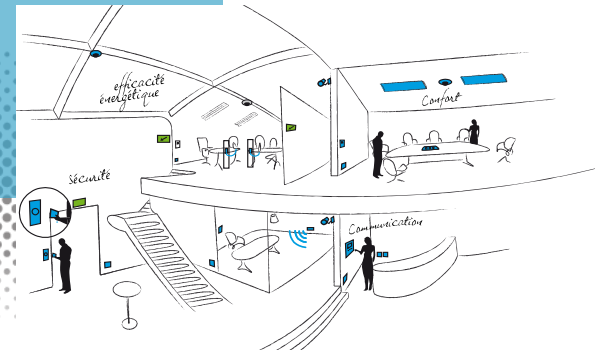


# Driver for HVAC



mitsubishi

# MITSUBISHI ELECTRIC

# Driver for Mitsubishi Electric

The integration between Legrand Home Automation system and Mitsubishi Electric HVAC system allows the management of HVAC indoor units through the MyHOME or SCS HRMS user interfaces (probes, touch screens, Apps, web pages, ...) with all the functions specified for the MyHOME Temperature control system or SCS HRMS.

## ■ Hardware requirements :

1. MITSUBISHI E. gateway:
  - a) Modbus-IP Gateway
    - Mitsubishi E. **GB-50A** or **GB-50ADA**
    - Mitsubishi E. **EB-50GU** or **EW-50**
    - Mitsubishi E. **G-50** or **AG-150A** or **AE-200**
  - b) Modbus control interface
    - Mitsubishi E. **Procon MelcoBEMS MINI (A1M)**
2. MyHOME gateway:
  - ✓ Legrand **F459** (Driver manager)



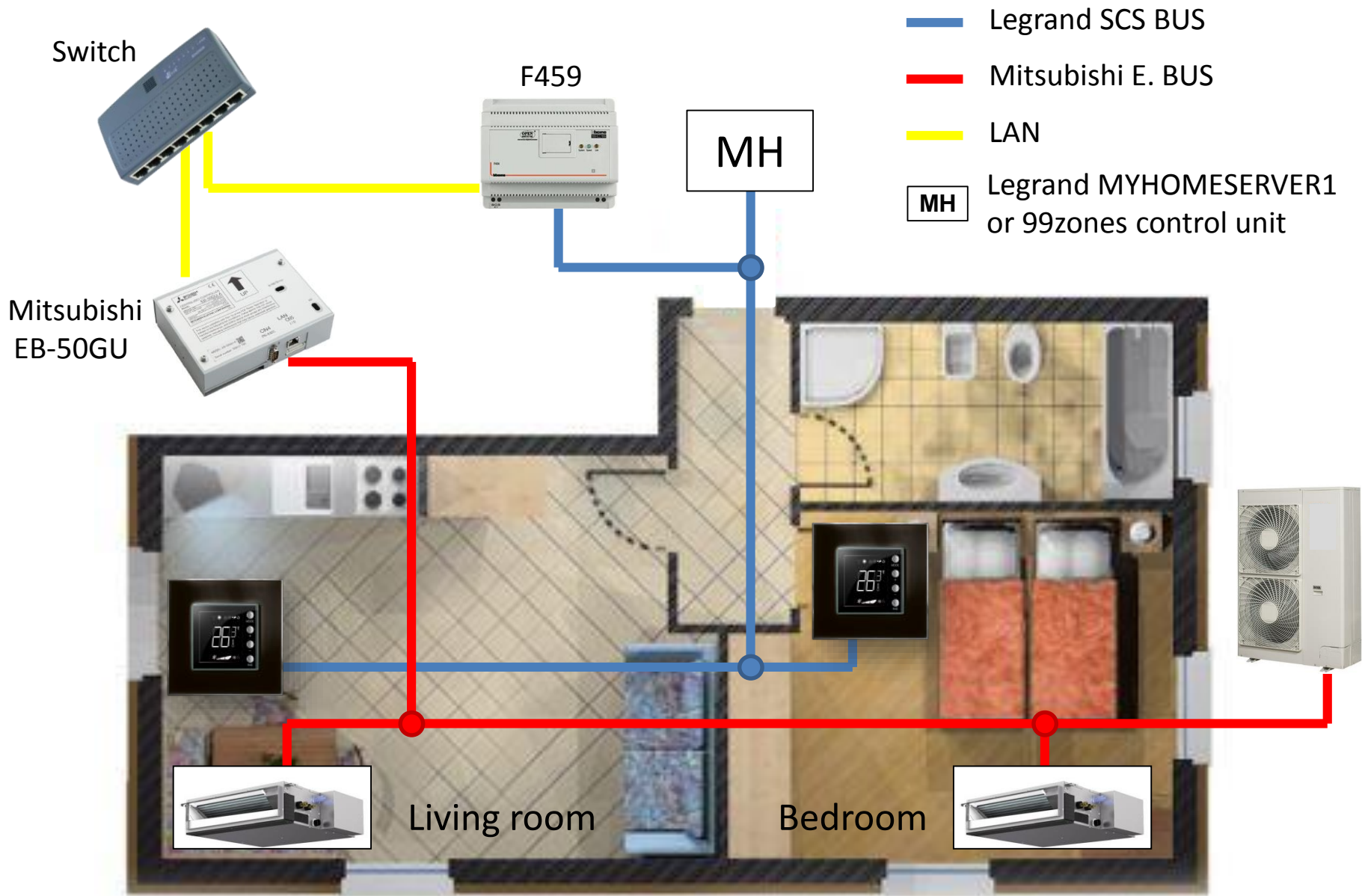
## ■ Applications :

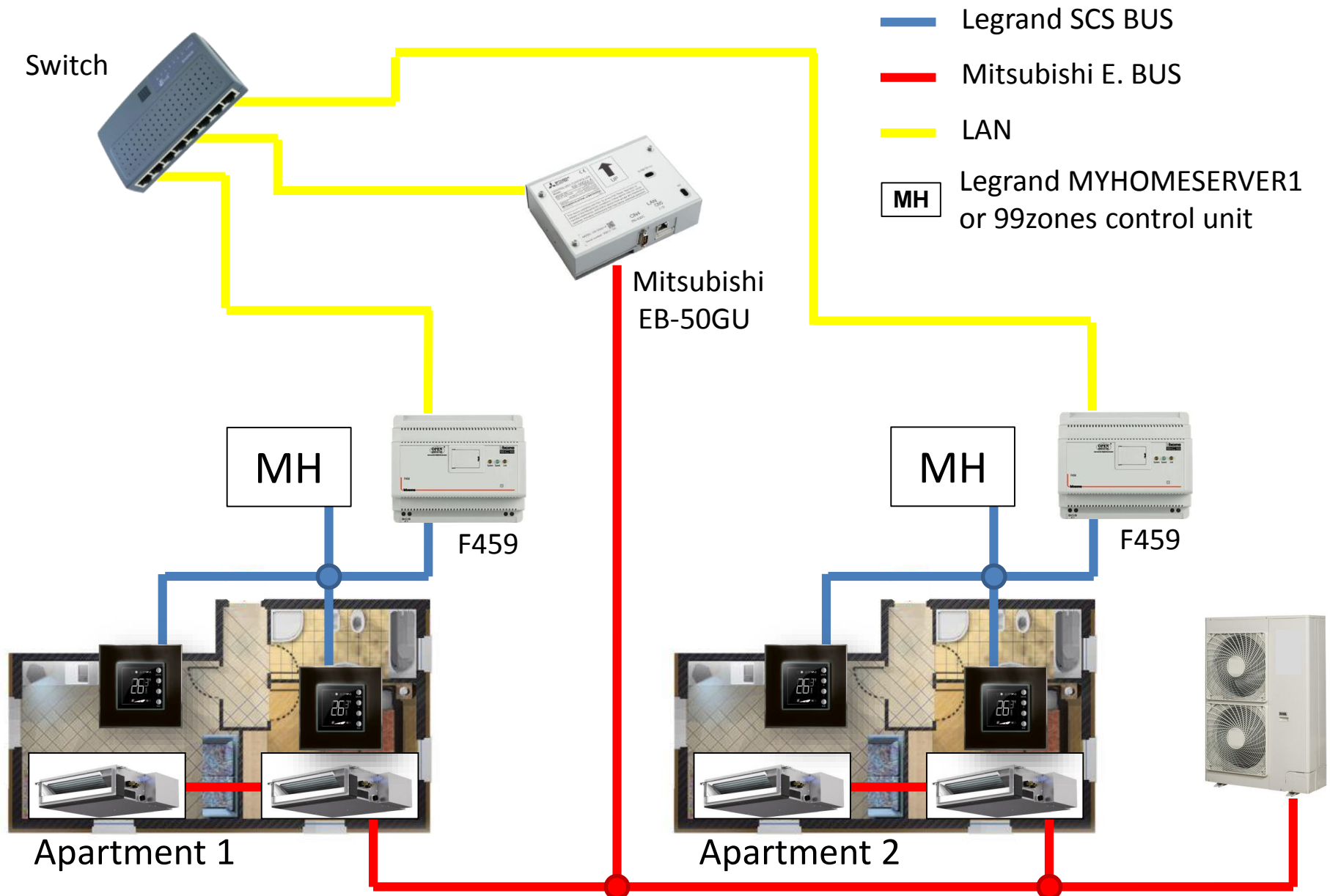
1. Single-apartment system
2. Multi-apartment system
3. HRMS (Hotel Room Management System)



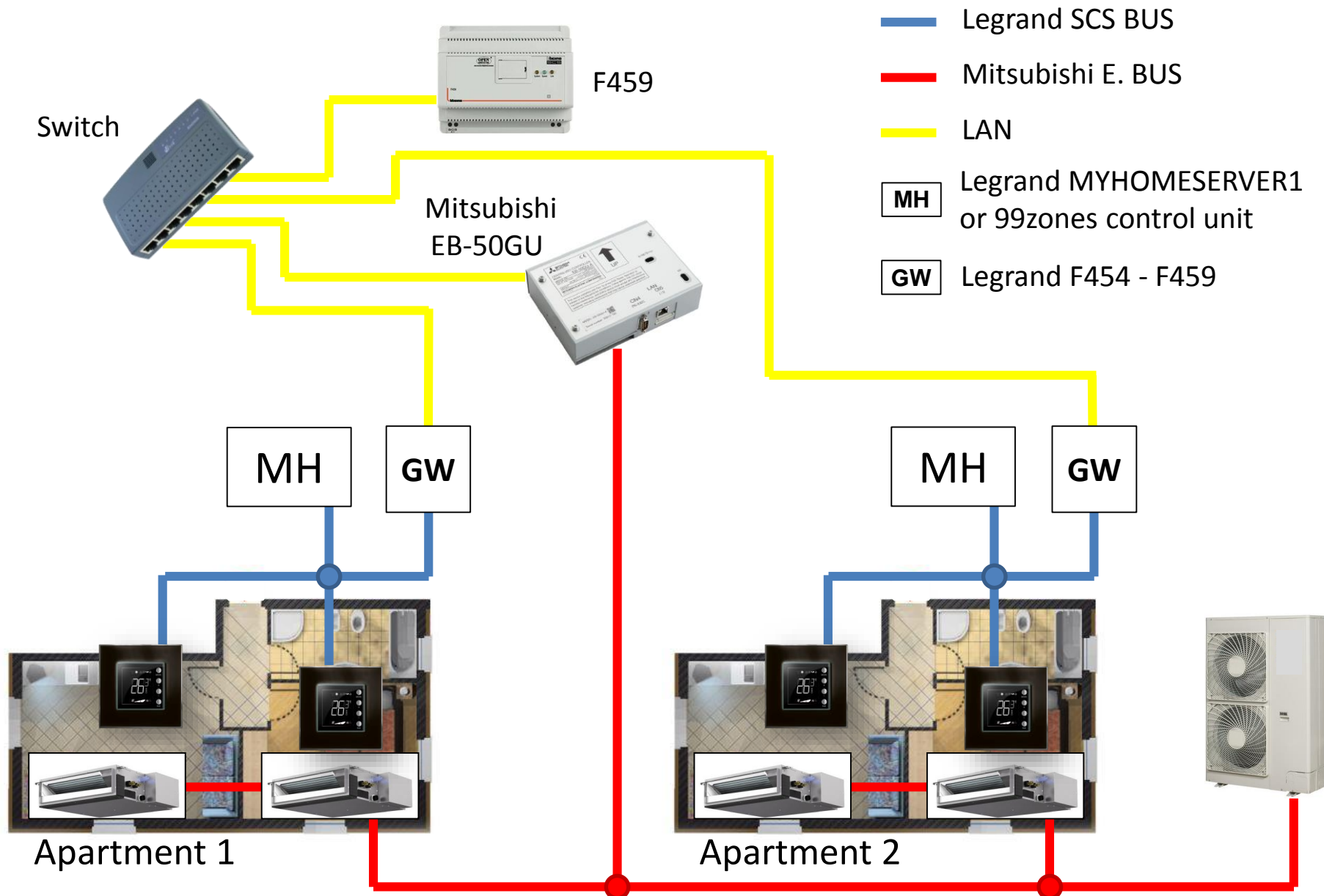
# Driver for HVAC Mitsubishi Electric (IP)

# a) Mitsubishi Electric (IP) – Single-apartment



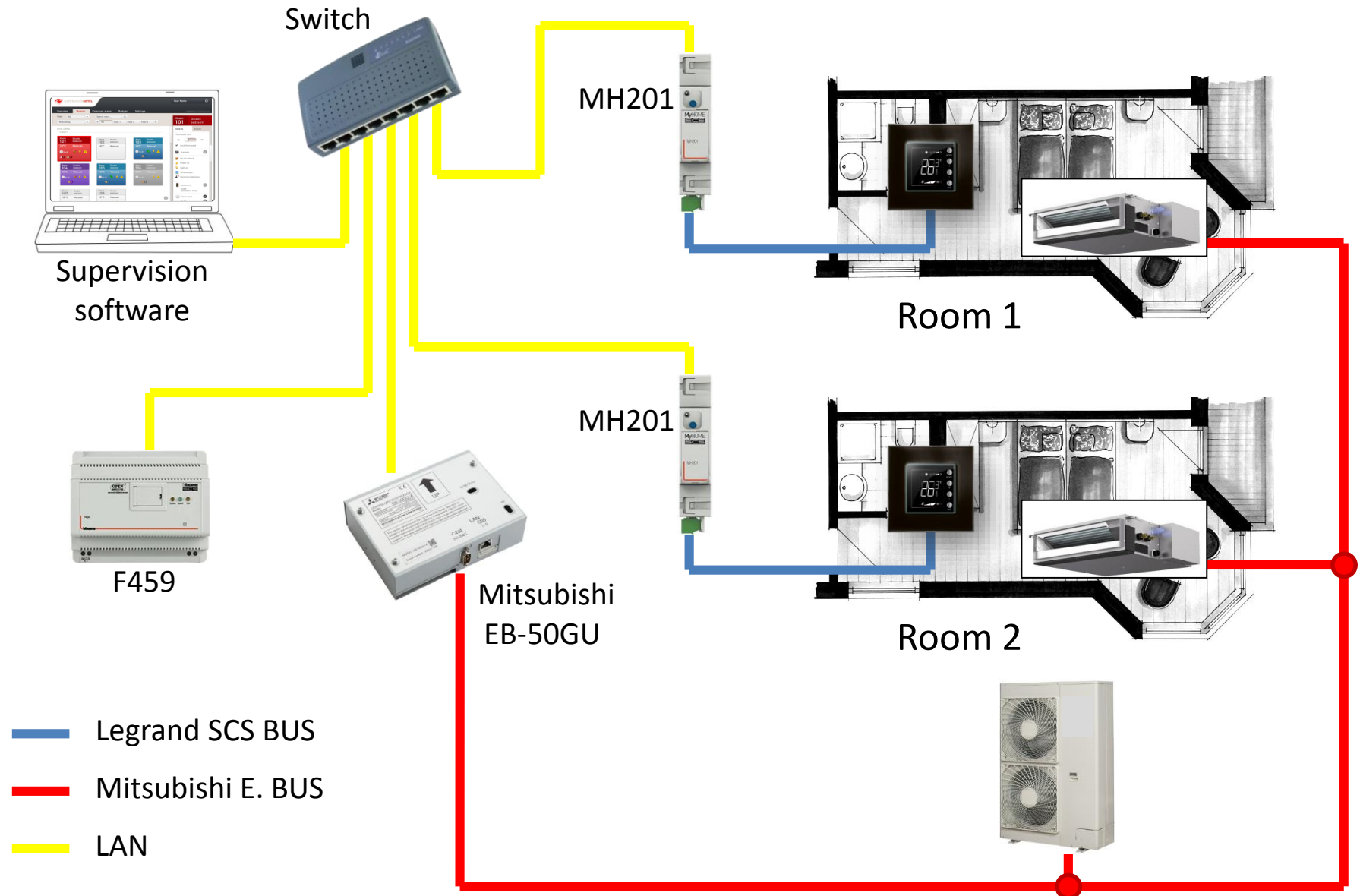


# a) Mitsubishi Electric (IP) – Multi-apartment (case 2)





# a) Mitsubishi Electric (IP) – HRMS



## a) Driver for Mitsubishi Electric (IP)

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### FUNCTIONS

- Management of Mitsubishi E. HVAC indoor units through MyHOME or SCS HRMS Temperature control system
- Working as a stand-alone solution or integration (Heating & Cooling)
- Management of the operating status indicator of the probe
- Sending commands: Set-point ; Working mode (Heating / Cooling) ; Fan speed
- Working modes selections at the set-point reached: NO Action ; OFF ; Minimum speed

### APPLICATIONS

- All Mitsubishi Electric HVAC machines compatible with the Mitsubishi Electric gateway **GB-50A** or **GB-50ADA** or **EB-50GU** or **EW-50** or **G-50** or **AG-150A** or **AE200**

### DETAILS

- According to Mitsubishi Electric system operating features, in some cases the HVAC indoor unit needs to work (fan only) after the set-point achievement also. Through variable settings of the “set-point reached” operating mode, it is possible to manage all Mitsubishi Electric system conditions

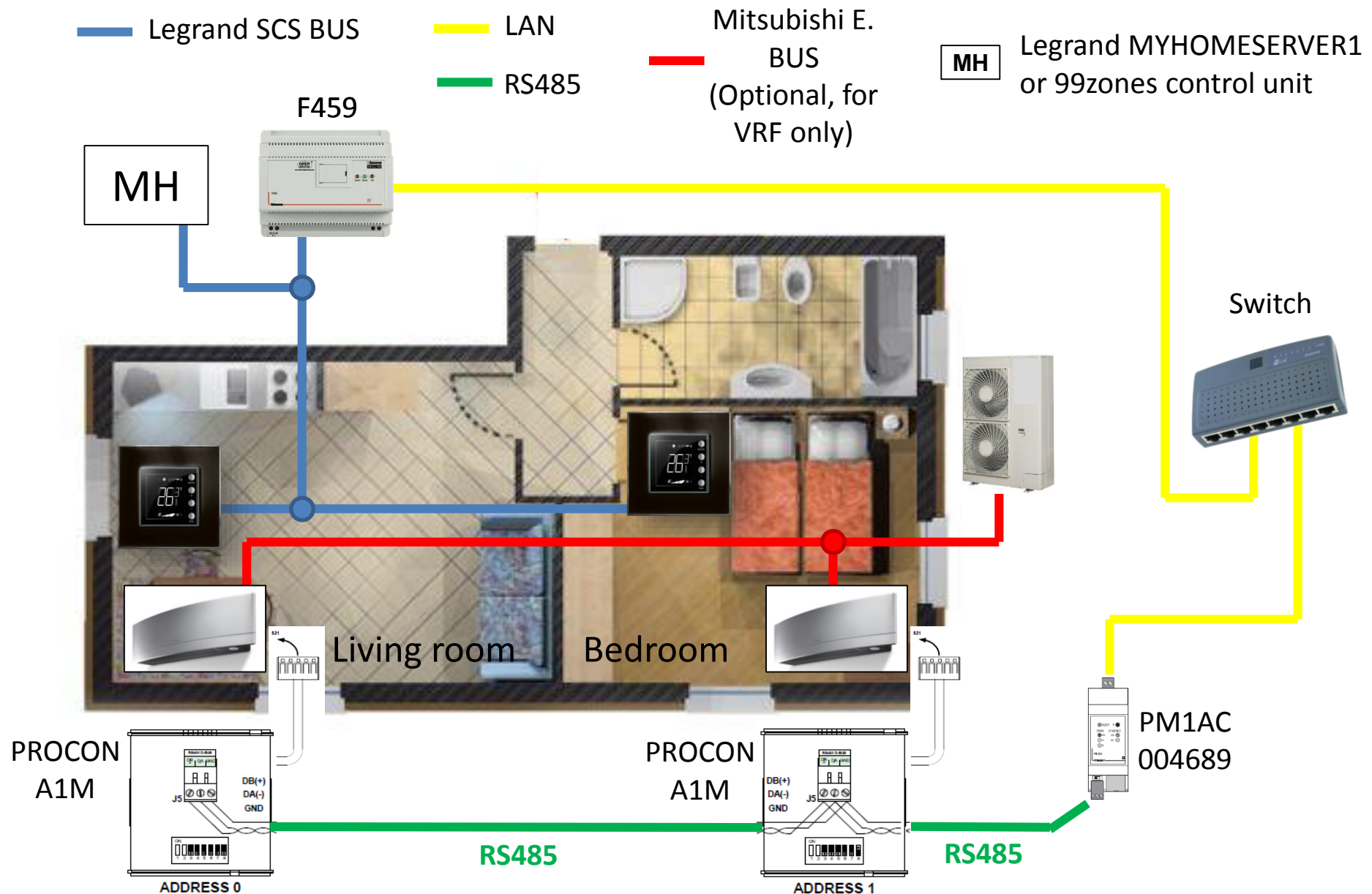
### NOTES

- Easy installation of the Mitsubishi Electric gateway
- Solution suggested for every kind of installation (high/low number of machines involved)
- Mitsubishi Electric wired thermostats and/or IR remote controllers must be disconnected or inactive



# Driver for HVAC Mitsubishi Electric **(PRO)**

## b) Mitsubishi Electric (PRO) – Single-apartment



## b) Driver for Mitsubishi Electric (PRO)

### FUNCTIONS

- Management of Mitsubishi Electric HVAC indoor units through MyHOME or SCS HRMS Temperature control system
- Working as a stand-alone solution or integration (Heating & Cooling)
- Management of the operating status indicator of the probe
- Sending commands: Set-point ; Working mode (Heating / Cooling) ; Fan speed
- Working modes selections at the set-point reached: NO Action ; OFF ; Minimum speed

### APPLICATIONS

- All Mitsubishi Electric HVAC indoor units compatible with Mitsubishi Electric Modbus control interface **Procon MelcoBEMS MINI (A1M)**

### DETAILS

- According to Mitsubishi Electric system operating features, in some cases the HVAC indoor unit needs to work (fan only) after the set-point achievement also. Through variable settings of the “set-point reached” operating mode, it is possible to manage all Mitsubishi Electric system conditions
- One Mitsubishi Electric Modbus interface **Procon MelcoBEMS MINI (A1M)** for every Mitsubishi Electric indoor unit
- Serial connection (RS485) for all Mitsubishi Electric Modbus interfaces involved

### NOTES

- Additional hardware: Legrand **004689** or BTicino **PM1AC**
- Solution suggested for “single apartment” installation, and low number of indoor units
- Mitsubishi Electric wired thermostats and/or IR remote controllers must be disconnected or inactive

Driver for HVAC  
Mitsubishi Electric  
***all DRIVERS***

# Available Functions

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- Heating / Cooling
  - ON / OFF ( and “thermal protection” fixed temperature )
  - Fan Speed ( Auto, Low, Medium, High )
  - Temperature Set-Point
  - Measured Temperature by SCS probe
  - Management of the operating status indicator of the probe
- 
- VENTILATION and DRY modes (if present) not supported

# Mitsubishi Electric EB-50GU

The EB50 interfaces allow monitoring and control of your air conditioning via your PC and Web pages (no software required). The Ethernet port also allows the EB50 to connect to a wide range of BMS interfaces.



**EB-50GU**



**EW-50**

# Mitsubishi Electric AG-150A

Mitsubishi Electric's centralized controller AG-150A offers a large 9 inch touch screen display with easy control of up to 50 indoor units. The Ethernet port also allows the EB50 to connect to a wide range of BMS interfaces.



**AG-150A**



**AE-200**



# Mitsubishi Electric Procon MelcoBEMS MINI (A1M)

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The A1M is a Modbus interface compatible with splits system. The interface connects simply to the indoor unit PCB and does not require any power supply. The protocol is available over RS485.

