Specifications

Regulatory Approvals

- cULus Listed
- FCC approved. Complies with the limits for a Class B device, pursuant to Part 15 of the FCC rules.
- IC
- COFETEL
- NOM

Power / Performance

- Input to power supply:
  120 – 277 V$\sim$ 50 / 60 Hz 0.6 A
- Input to Vive hub:
  24 V$=$ 350 mA

System Limits

- HJS-1, HJS-2 support up to 700 Lutron Wireless devices. HJS-0 supports 75 Lutron Wireless devices. Devices must be located within 71 ft (22 m) of the Vive hub.
- Any given load device can be controlled by 10 occupancy sensors, 10 Pico remote controls and 1 daylight sensor (Pico remote controls and sensors must be located within 30 ft [9 m] of the load device they are controlling).

Mounting

- Vive hub units should be mounted in the middle of non-metal ceiling tile or drywall, visible from inside the space.
- Installation near metal, other than a junction box, may reduce RF range. Hub should be at least 12 in (305 mm) away from metal objects.
- Use surface-mount version for mounting to a hard or cement ceiling.
- Power supply mounts to a standard 4 in x 4 in (101 mm x 101 mm) square junction box.
- Power supply must be mounted within 100 ft (31 m) of the Vive hub. Wiring should be 24 AWG to 12 AWG (0.2 mm^2 to 2.5 mm^2).

Environment

- For indoor use only.
- 32 to 104 °F (0 to 40 °C).
- Relative humidity less than 90% non-condensing.

Contact Closure Input Terminals

- Contact closure inputs are used for initiating load shed only. Load shedding will physically dim the lights to a programmable level to help meet the requirements for The California Title 24 Building Energy Efficiency Standards Automatic Demand Response.
- Only the first contact closure is used.
- Accepts only maintained inputs.
- Off-state leakage current must be less than 100 µA.
- Open circuit voltage: 24 V$=$ maximum.
- Input wiring: 24 AWG to 12 AWG (0.2 mm^2 to 2.5 mm^2).
- Contact Closure Inputs on multiple hubs can be wired in parallel. **DO NOT** wire inputs in parallel with other equipment as it can cause the inputs on either of the devices to falsely trigger.
- Up to 4 hubs in parallel.
- To ensure proper operation of Contact Closure Inputs, a PS-J-20W-UNV power supply may not be used to provide power to more than one hub.
- Inputs must be dry contact closure, solid state, open collector, or active-low (NPN)/active high (PNP) output.
  – Open collector NPN or active-low on-state voltage must be less than 2 V$=$ and sink 3.0 mA.
  – Open collector PNP or active-high on-state voltage must be greater than 12 V$=$ and source 3.0 mA.

Programming

- The Vive hub is meant to be permanently installed. It is **NOT** intended to be used as a programming tool that can be removed from the site after commissioning. Various Vive system features are dependent on the hub for proper functionality. In addition, users and other maintainers will be forced to recommission the entire system in order to make simple changes or additions if the hub is not installed on-site as part of the commissioned system.
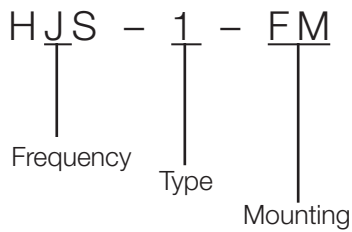
Warranty

- 1 year limited warranty. The customer can register the product to increase the warranty period from 1 year to 5 years. Please visit www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf for warranty details.

Job Name:	Model Numbers:
Job Number:	

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How to Build a Model Number

Example

H J S – 1 – F M

Frequency

Type

Mounting

Frequency

J = 431.0 – 437.0 MHz (USA, Canada, Mexico)

Type

0 = Starter Vive hub without BACnet limited to
     75 devices (Available as HJS-0-FM only)
1 = Vive hub without BACnet
2 = Premium Vive hub with BACnet

Mounting

FM = Flush-Mount (non-metal ceiling tiles or drywall)
SM = Surface-Mount (cement)

Available Vive Hub Model Numbers (includes power supply and mounting adapter)

HJS-0-FM - Starter hub, flush-mount adapter and
            power supply
HJS-1-FM - Vive hub, flush-mount adapter and
            power supply
HJS-1-SM - Vive hub, surface-mount adapter and
            power supply
HJS-2-FM - Premium Vive hub, flush-mount adapter
            and power supply
HJS-2-SM - Premium Vive hub, surface-mount adapter
            and power supply
HJS-UPDATE - Software upgrade license to add
              BACnet to HJS-0 and HJS-1 hubs
HJS-DEVICES - Software upgrade license expands
               device limit to 700 devices for
               HJS-0 hubs

Replacement Part Model Numbers

PS-J-20W-UNV   Vive hub external power supply
H-MOUNT-FM   Flush-mount installation adapter
H-MOUNT-SM   Surface-mount installation adapter

Ethernet Switch Model Numbers (sold separately)

All switches are unmanaged 10 / 100 / 1000 Mbps.
This IT gear is a suggested list. IT provided gear that
is equivalent or better is sufficient. Enterprise level
gear recommended.

ETH-SWITCH-16   16 port
ETH-SWITCH-24   24 port
ETH-SWITCH-24-1M   24 port, 1 multi-mode fiber
ETH-SWITCH-24-2M   24 port, 2 multi-mode fiber
ETH-SWITCH-24-1S   24 port, 1 single-mode fiber
ETH-SWITCH-24-2S   24 port, 2 single-mode fiber

Job Name:	Model Numbers:
Job Number:	