

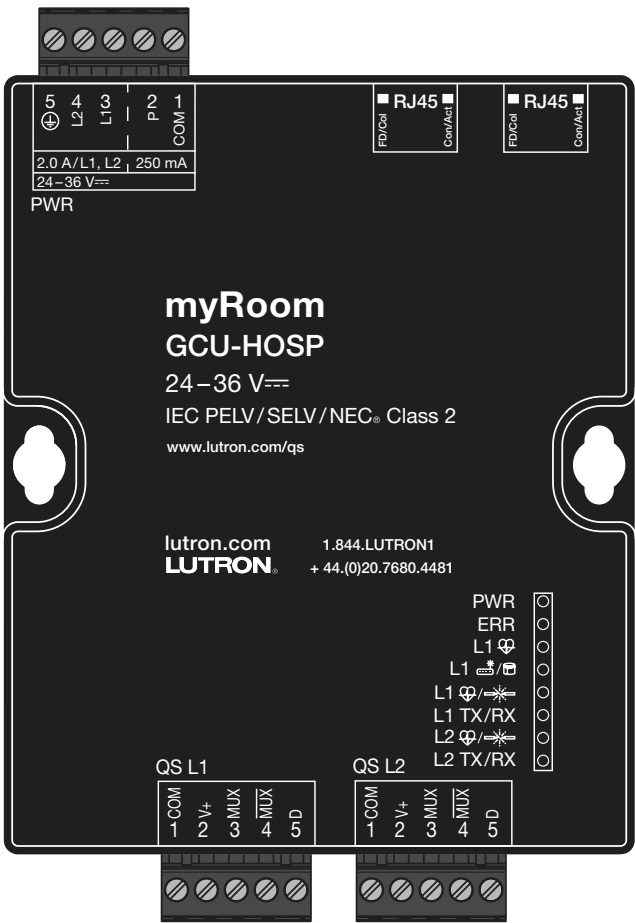
myRoom Plus Guestroom Control Unit

Lutron myRoom Plus Guestroom Control Units coordinate lighting, shades/draperies, and temperature control in a hotel guestroom. These can be automated for guest comfort when the room becomes occupied and for energy savings when the room is vacant.

The myRoom Plus Guestroom Control Unit(s) can integrate with myRoom Vue and third-party systems via the onboard Ethernet link with additional licenses. Examples include Property Management Systems (PMS), Central Electronic Locking Systems (CELS) and Building Management Systems (BMS).

Model Numbers

- GCU-HOSP2 Link Control Unit
- GCU-HOSP-11 Link Control Unit



GCU-HOSP shown

Specifications

Regulatory Approvals

- RoHS Compliant
- Complies with UL508
- Complies with CSA-C22.2 No. 14
- Complies with IEC/EN 60669
- NOM

Power

- GCU-HOSP
 - Processor (P): 24–36 V \equiv 250 mA
 - Links (L1/L2): 24–36 V \equiv 2 A per link
- GCU-HOSP-1
 - Processor (P): 24–36 V \equiv 250 mA

Typical Power Consumption

- 5 W; 8 Power Draw Units (PDUs)

Environment

- Ambient Temperature Operating Range: 32 °F to 104 °F (0 °C to 40 °C)
- Unit generates heat, maximum 24 BTU/hr
- Relative humidity: 0% to 90% non-condensing
- For indoor use only.

Cooling Method

- Passive cooling

Internal Timeclock

- ± 1 minute per year

Power Failure Memory

- System data stored in non-volatile memory. System programming retention for 10 years.

Miswire Protection

- All terminal block inputs are over-voltage and miswire protected against wire reversals and shorts.

Communications Link Wire Type

- Two pairs: one pair 18 AWG (0.75 mm²), one pair 18 AWG to 22 AWG (0.75 mm² to 0.34 mm²) twisted, shielded: IEC PELV/NEC® Class 2 cable
- Total wire length for each link must not exceed 500 ft (152.4 m)

Power Supply Wire Type

- 18 AWG (0.75 mm²)

Link Capacities

- QS Wired Device Link: maximum 50 devices, 50 zones, 50 occupancy sensors, and 100 switch legs (ballasts, drivers, and interfaces).
- QS RF Link: maximum 50 devices and 100 zones.
- 230 V \sim Thermostat Control Link: maximum 32 room thermostats (LR-HVAC-230-S).
- Power Panel Link - 16 addresses / 256 zones

Connections

- GCU-HOSP
 - Two 5-pin, removable terminal blocks* for Link 1 and Link 2 communications.
 - One 5-pin, removable terminal block* for Power Input.
- GCU-HOSP-1
 - One 5-pin, removable terminal block* for Power Input/Link 1 communications.

Communication Links

- Each Lutron myRoom Plus Guestroom Control Unit has up to three communication links:
 - Link 1 and Link 2 (GCU-HOSP only): Lutron QS wired device link, QS RF link, or thermostat control link.
 - Ethernet:
 - GCU-HOSP — 2 Ethernet jacks for system start-up and PMS/BMS/CELS integration. Up to 2 GCU-HOSP processors can be daisy chained for very large guestrooms.
 - GCU-HOSP-1 — 1 Ethernet jack for system start-up and PMS/BMS/CELS integration. Can only be daisy chained via Ethernet to one GCU-HOSP processor.

* Each terminal will accept up to two 18 AWG (0.75 mm²) wires.

Job Name:	Model Numbers:
Job Number:	

Specifications *(continued)*

System Capabilities

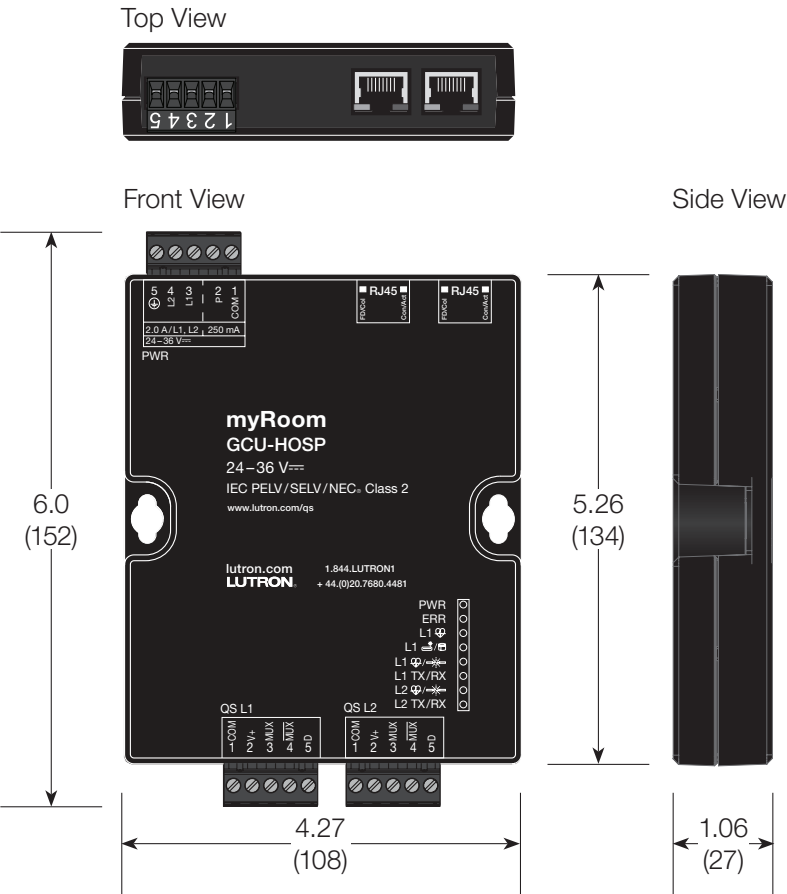
- Lutron QS Link allows control and programming of:
 - DIN rail power modules
 - Palladiom and seeTouch QS keypads
 - Palladiom QS thermostat
 - Pico wireless controls (through QS sensor module)
 - Sivoia QS motorized shades/draperies
 - Interfaces for door sensors, window sensors, room chimes, and privacy and service controls
- Hybrid repeater wireless link integrates HomeWorks Clear Connect – Type A devices including wireless dimmers, keypads, modules, and drapery/shades.
 - Maximum limit of 50 devices/100 zones per RF link.
- 230 V~ thermostat control link allows control of Lutron room thermostat (LR-HVAC-230-S).
- Keypad buttons can be programmed to toggle lights, select room scenes, or raise and lower lighting or shades/draperies.
- Conditional logic can be programmed to select different actions based on inputs (e.g., time of day).
- Lutron myRoom Plus Guestroom Control Unit can interface with the hotel Property Management System (PMS) via a wired Ethernet hotel network connection. A software license is required. For example, LMR-OPERA-PR is required to interface with Micros® Opera™ PMS.
- Lutron myRoom Plus Guestroom Control Unit can interface with the hotel Central Electronic Lock System (CELS) via a wired Ethernet hotel network connection. A software license is required. For example, LMR-SAFLOK-PR, LMR-SALTO-PR, or LMR-VINGCARD-PR is required depending on which CELS vendor is being used (KABA® Saflok, SALTO®, or ASSA ABLOY VingCard® interface).
- Lutron myRoom Plus Guestroom Control Unit can interface with the Hotel Service Optimization System (HotSOS) via a wired Ethernet hotel network connection. Software license LMR-HOTSOS-PR is required for a Newmarket HotSOS interface.
- Lutron myRoom Plus Guestroom Control Unit can interface with the hotel Building Management System (BMS) via a wired Ethernet hotel network connection. Software license LMR-BAC-PR required for native BACnet interface.
- BACnet interface allows BMS to monitor and control room lighting, shades/draperies, temperature, room occupancy and vacancy status, and identify system faults.
- Lighting and HVAC load schedule data can be programmed at start-up. This data is used to calculate room lighting and HVAC power usage, and is available to the hotel BMS for logging and reporting via the native BACnet interface.
- myRoom Vue can provide a powerful software interface to control, configure, monitor, analyze and report on the myRoom Plus system. This requires license LMR-MYRMVUE-PR.

Job Name:	Model Numbers:
Job Number:	

Dimensions

Dimensions shown as: in (mm)

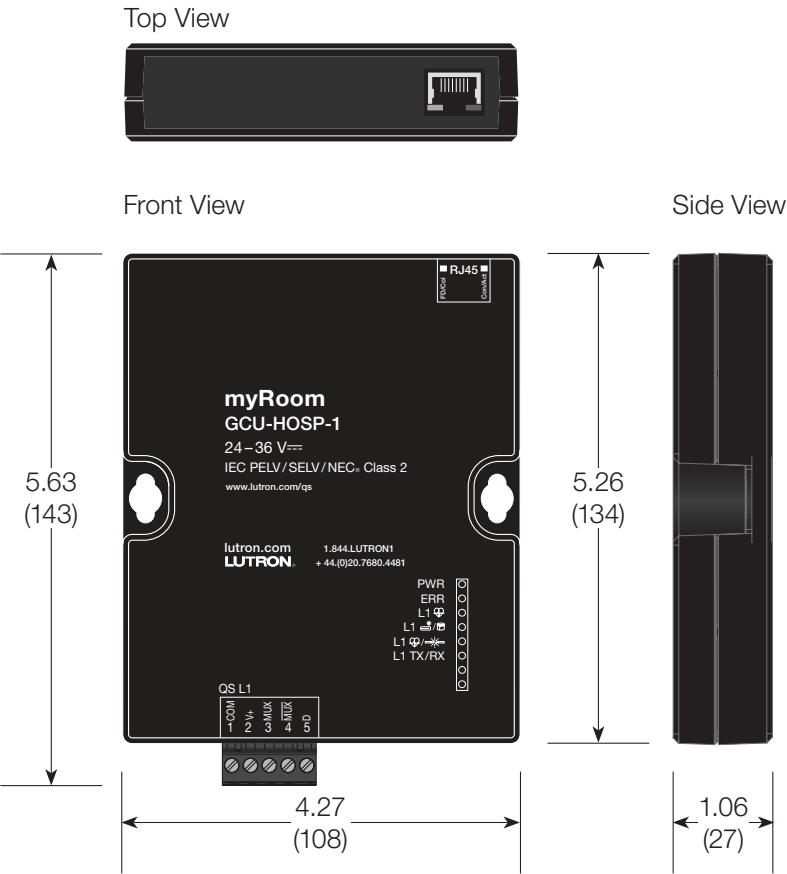
GCU-HOSP



Dimensions

Dimensions shown as: in (mm)

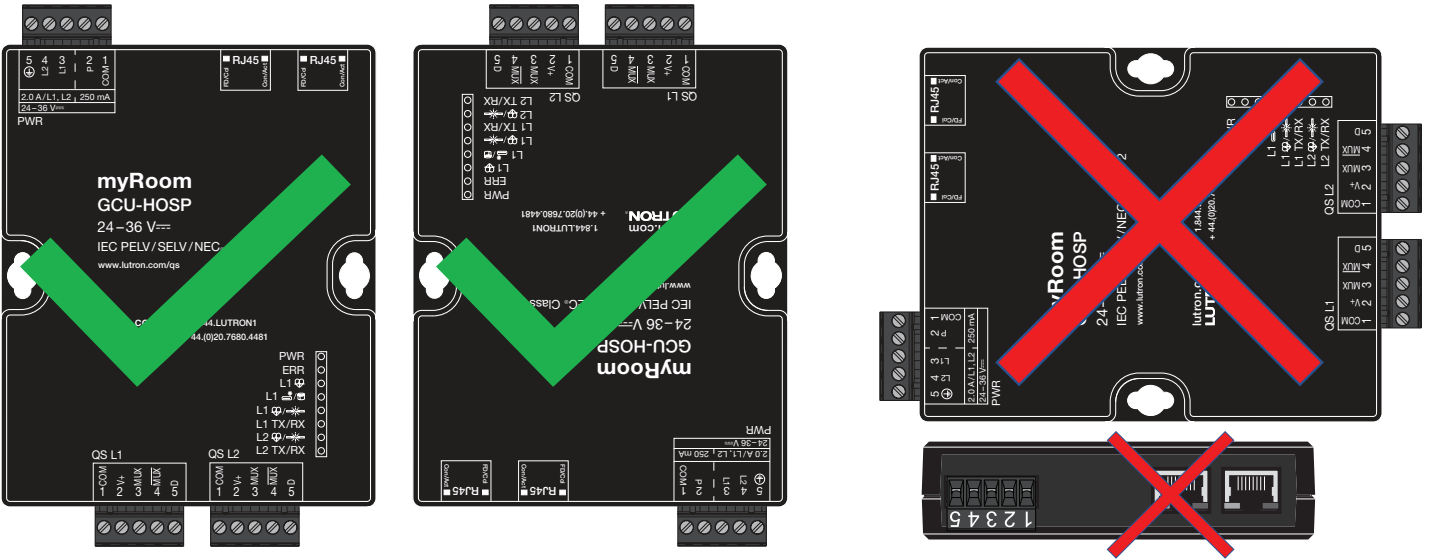
GCU-HOSP-1



Mounting

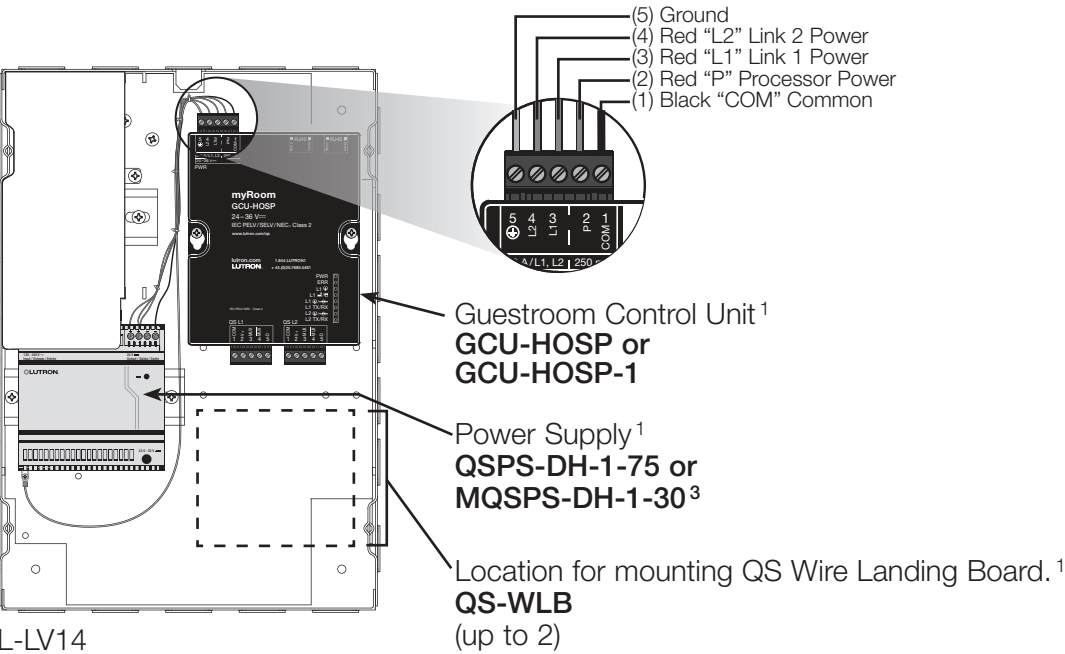
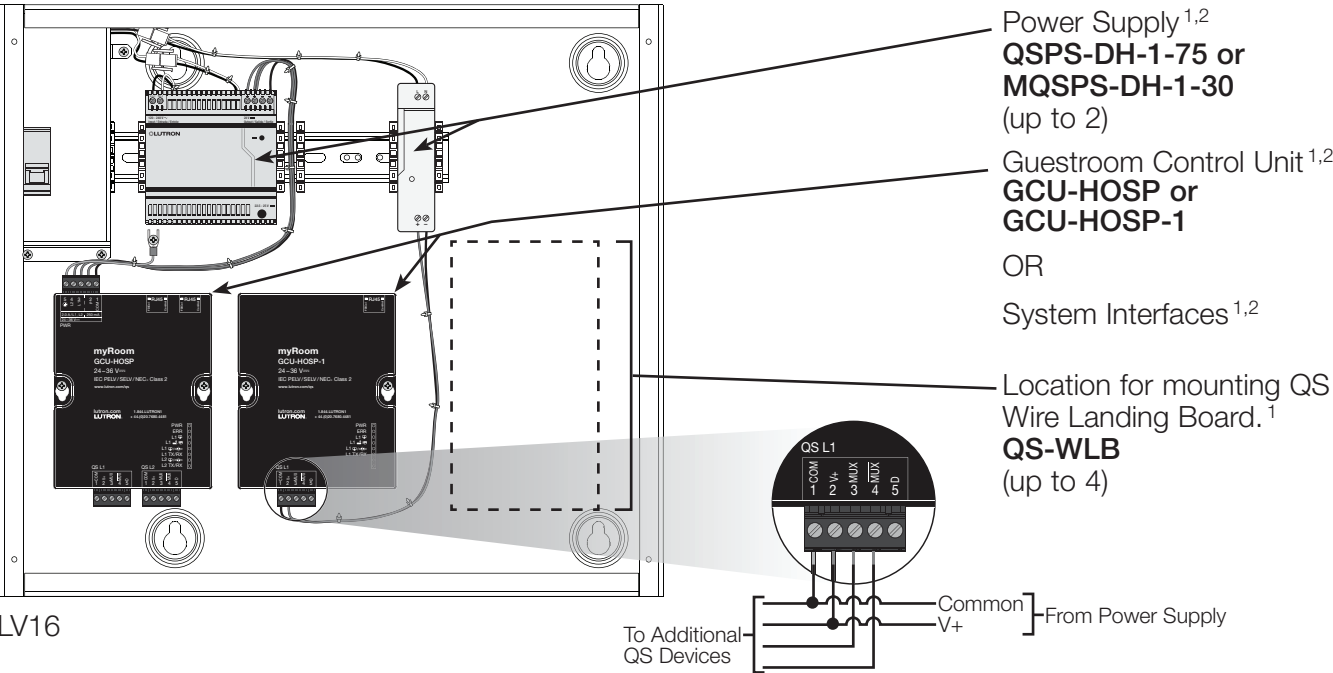
Mount the myRoom Plus Guestroom Control Unit (GCU) in an enclosure according to national and local codes. The GCU is typically powered using the QSPS-DH-1-75 or MQSPS-DH-1-30 power supply. The GCU and enclosure must be mounted vertically due to thermal management. The figure below gives examples of acceptable and unacceptable mounting.

Ceiling



Floor

Mounting *(continued)*



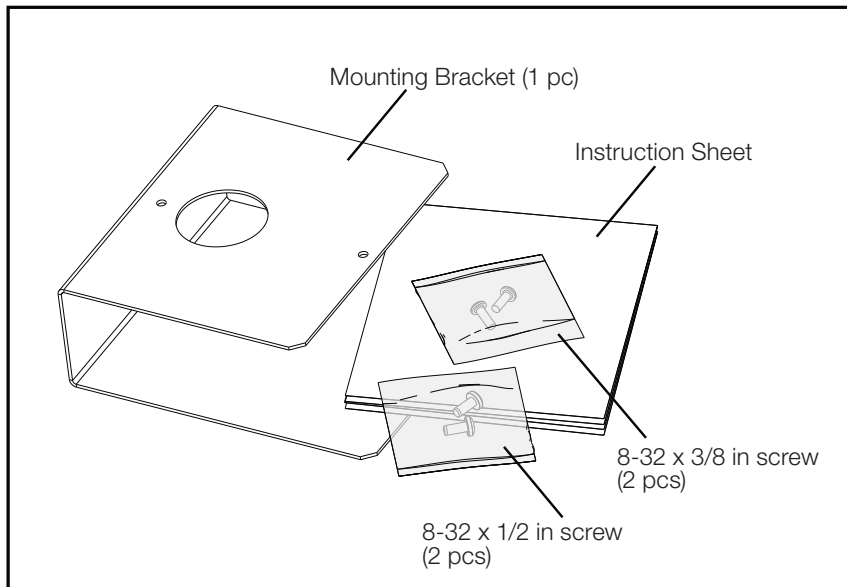
¹ All components sold separately.
² Maximum of 2 Control Units/Interfaces allowed per enclosure.
³ Requires mounting kit MQSPS-BRK.

LUTRON SPECIFICATION SUBMITTAL		Page
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Job Number:		

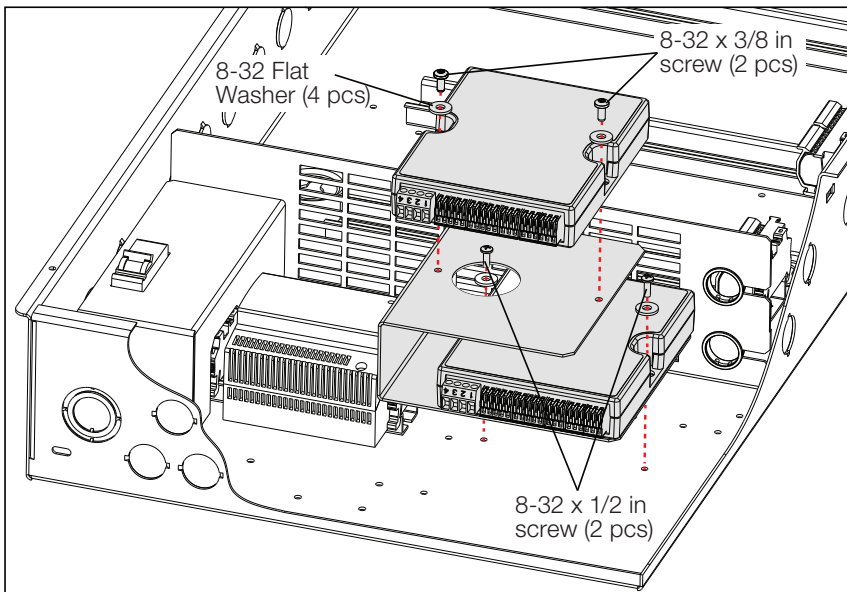
Adding Interfaces with the Low-Voltage Dual Accessory Bracket

If the GCU cannot fit in the panel with other devices, the Low-Voltage Accessory Bracket (DIN-2CD-CGP2948) may be an acceptable option to mount the GCU over another GCU or interface. The DIN-2CD-CGP2948 is a metal bracket designed to stack two Lutron low-voltage devices in a single location. The bracket is installed under the original device. This allows a second device to be install on top of the GCU. The second device is offset, allowing the LED indicators of the lower device to remain visible. The DIN-2CD-CGP2948 is only compatible with panels that contain a low-voltage section. Sold separately. Contact Lutron Customer Service for ordering.

DIN-2CD-CGP2948 contains the following:



Mounting:

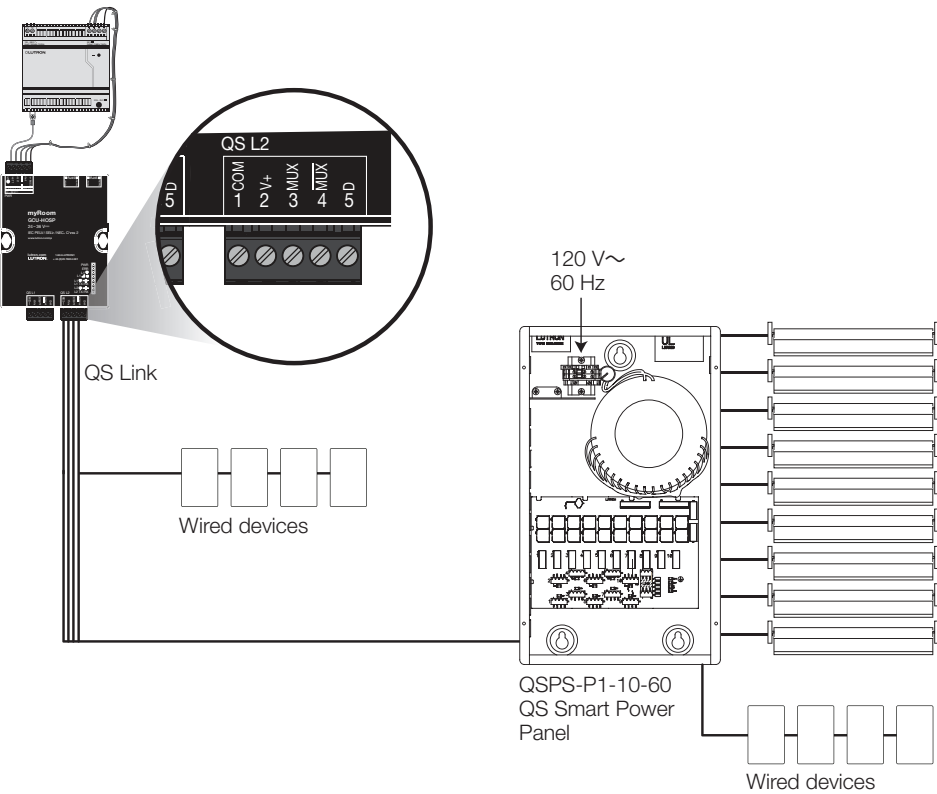


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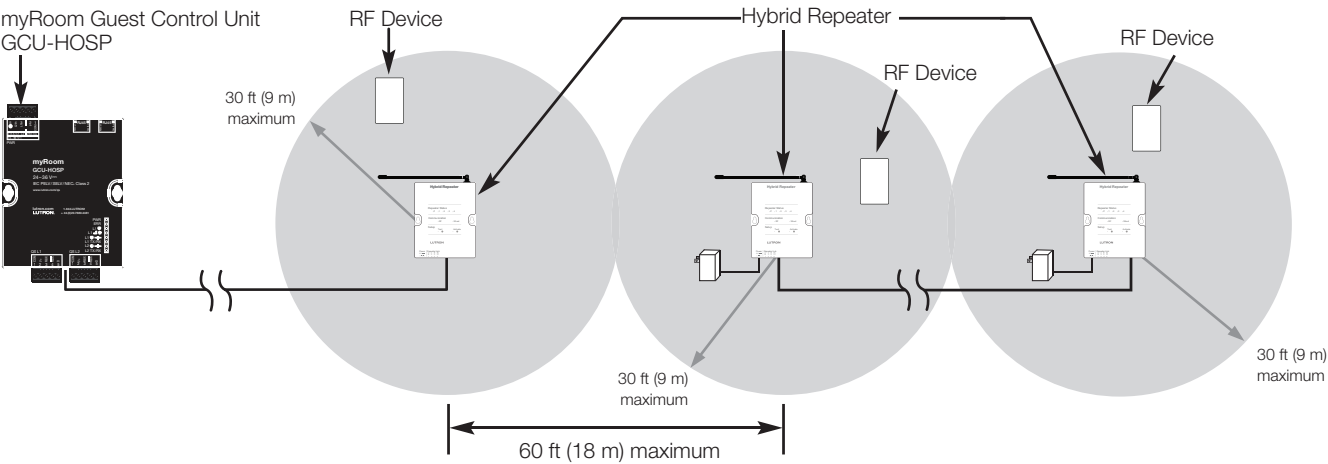
Model Numbers:

Job Number:

Wiring Diagram—QS Wired Device Link with Shades/Draperies (Controllable Window Solutions)

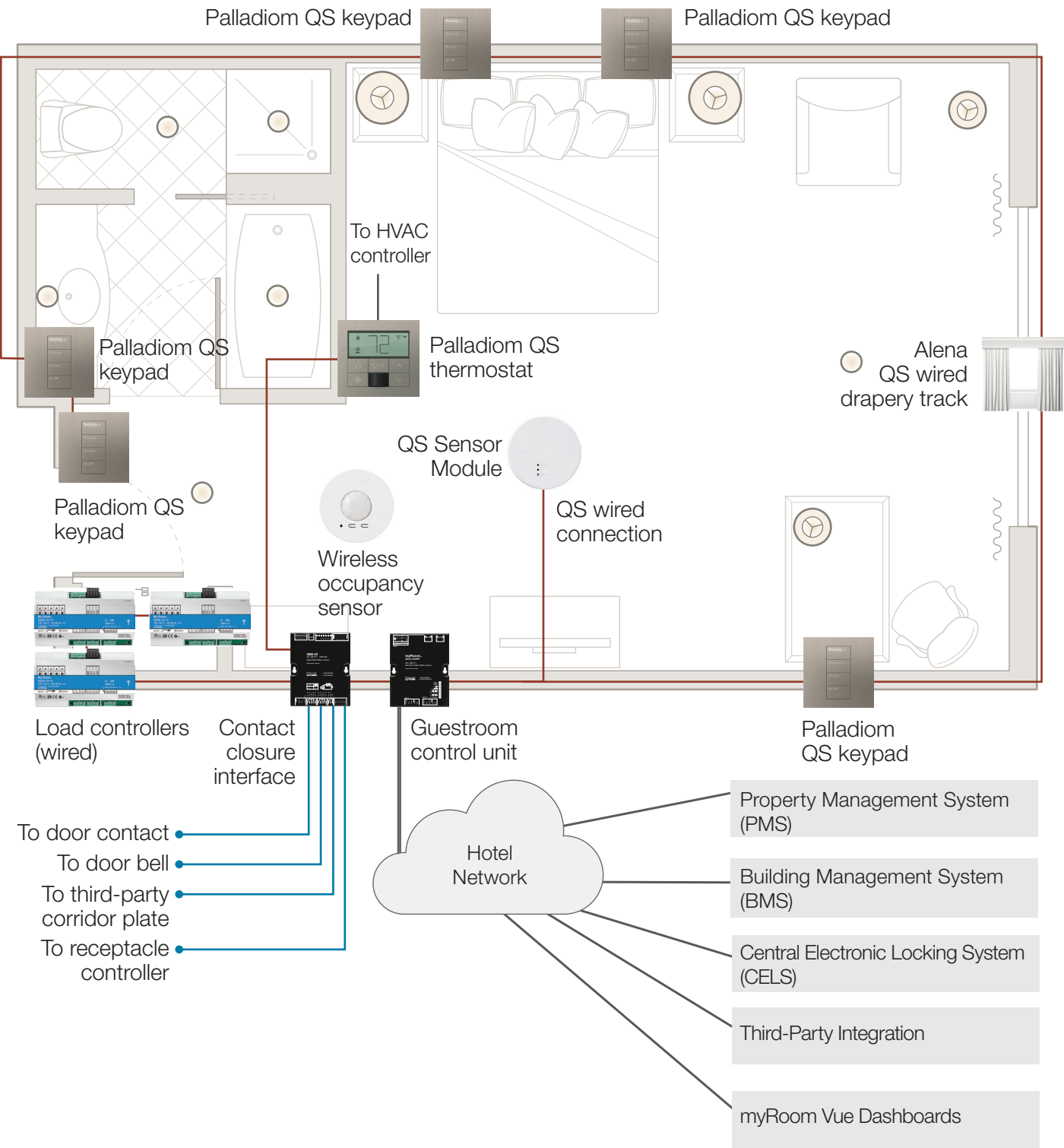


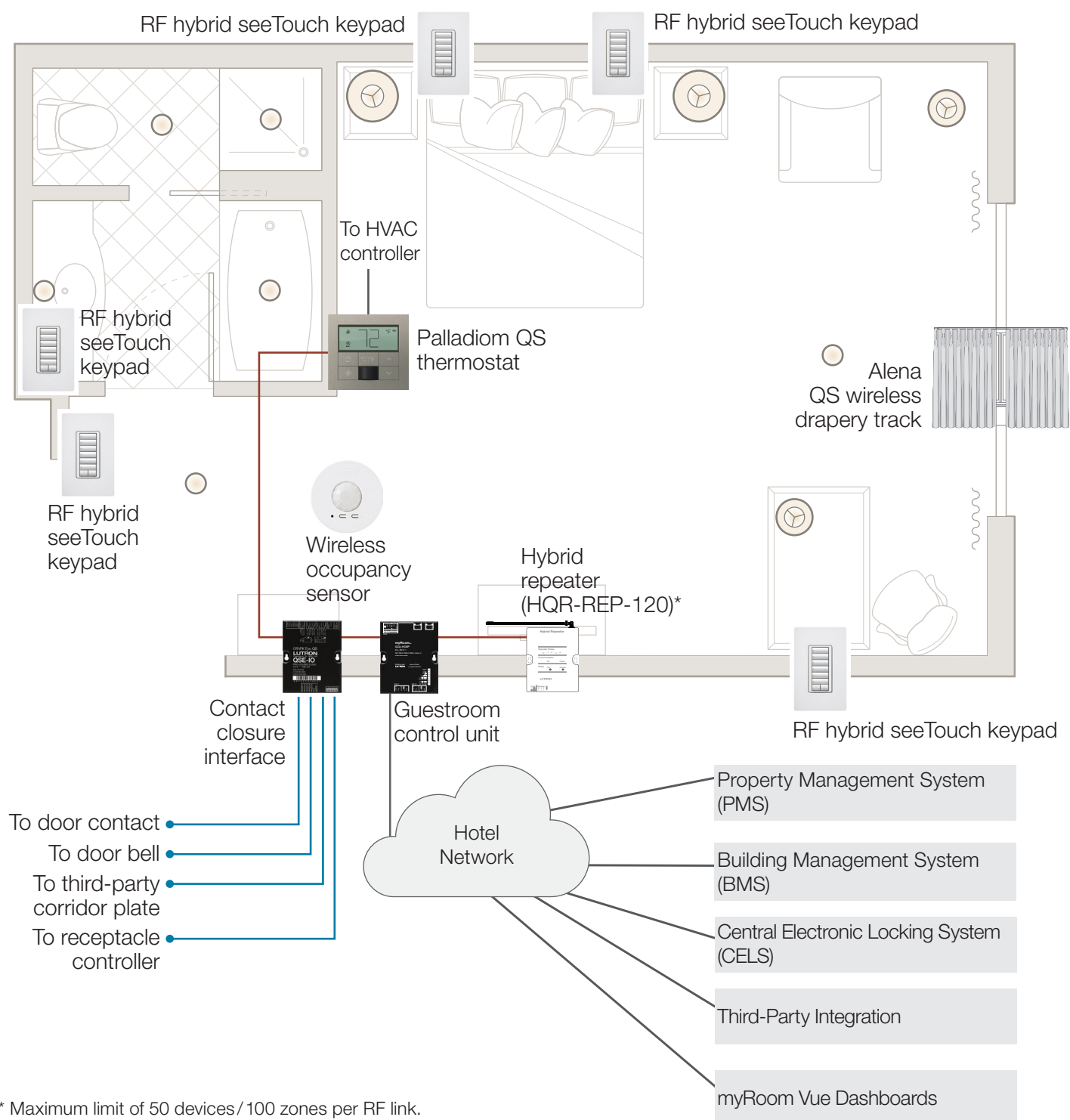
Wiring Diagram—RF Link



* Hybrid Repeaters can be powered from the processor link or a wall-mount transformer. If powering from a wall-mount transformer, Pin 2 does not get connected.

Wired System Diagram Example





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