

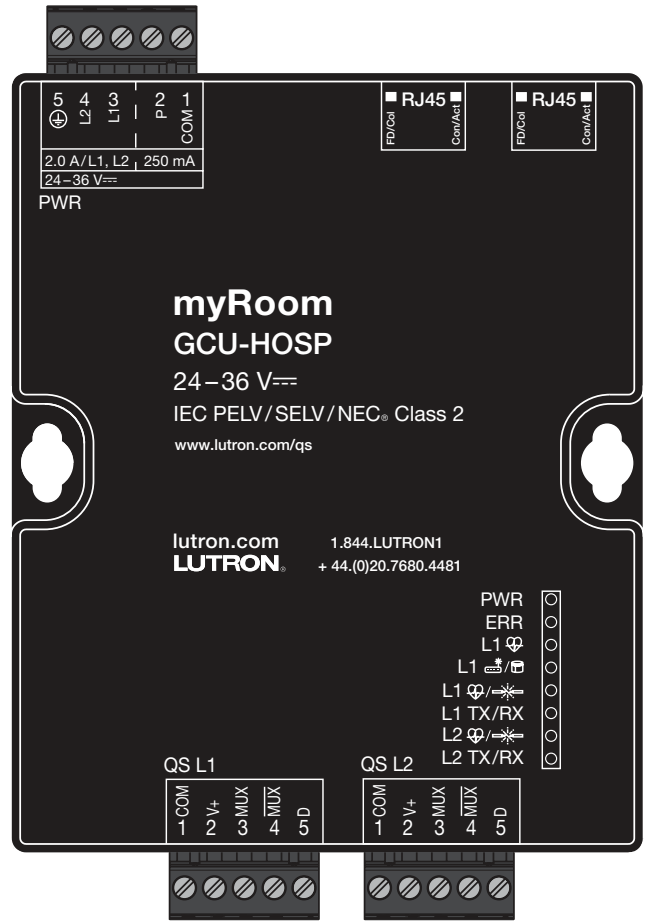
myRoom Plus Guestroom Control Unit

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-HOSP 2 Link Control Unit
- GCU-HOSP-1 1 Link Control Unit



GCU-HOSP shown

Job Name:	Model Numbers:
Job Number:	

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

- \pm 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.

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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
- 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.

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Dimensions

Dimensions shown as: in (mm)

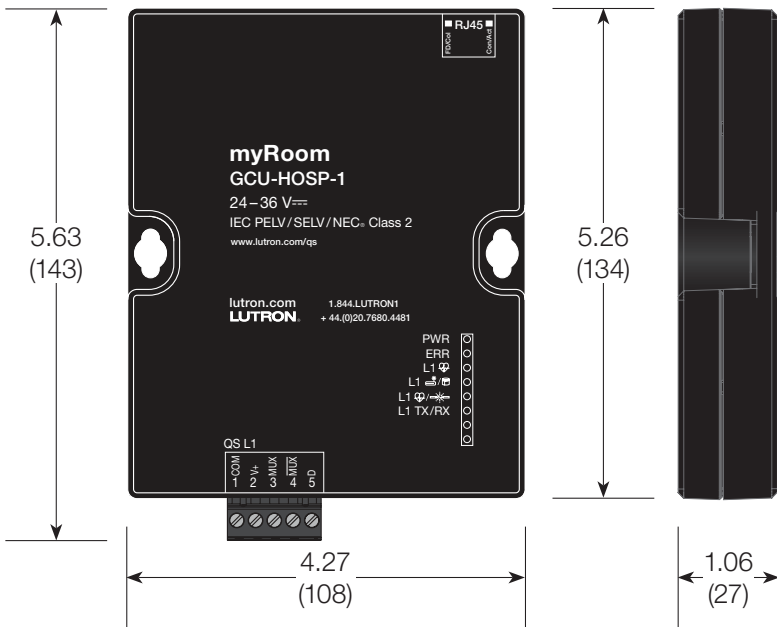
GCU-HOSP-1

Top View



Front View

Side View



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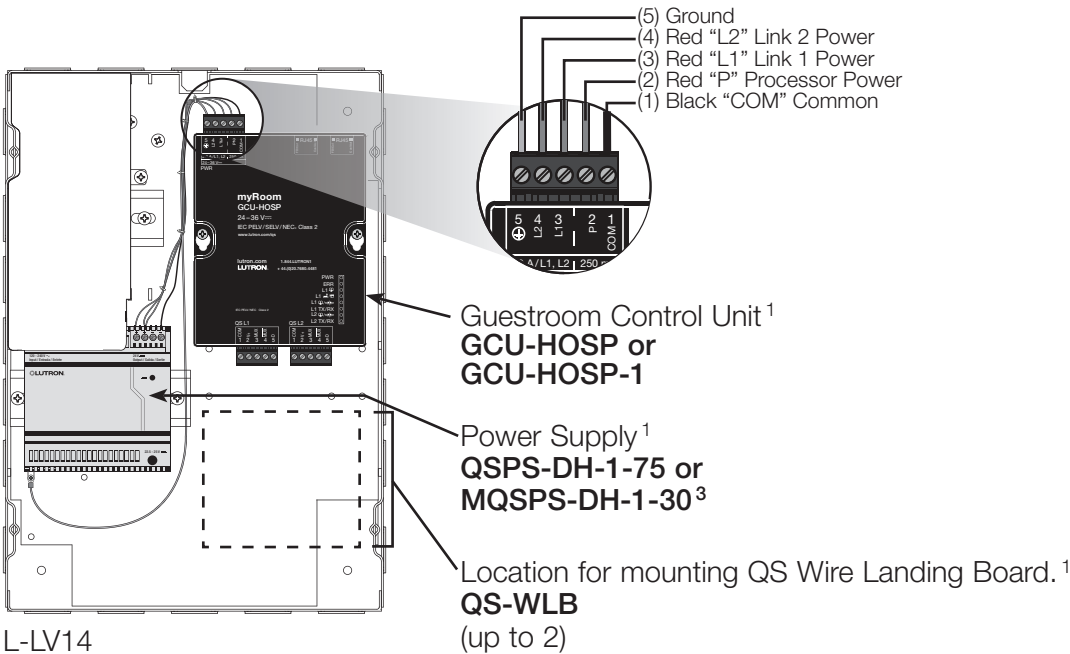
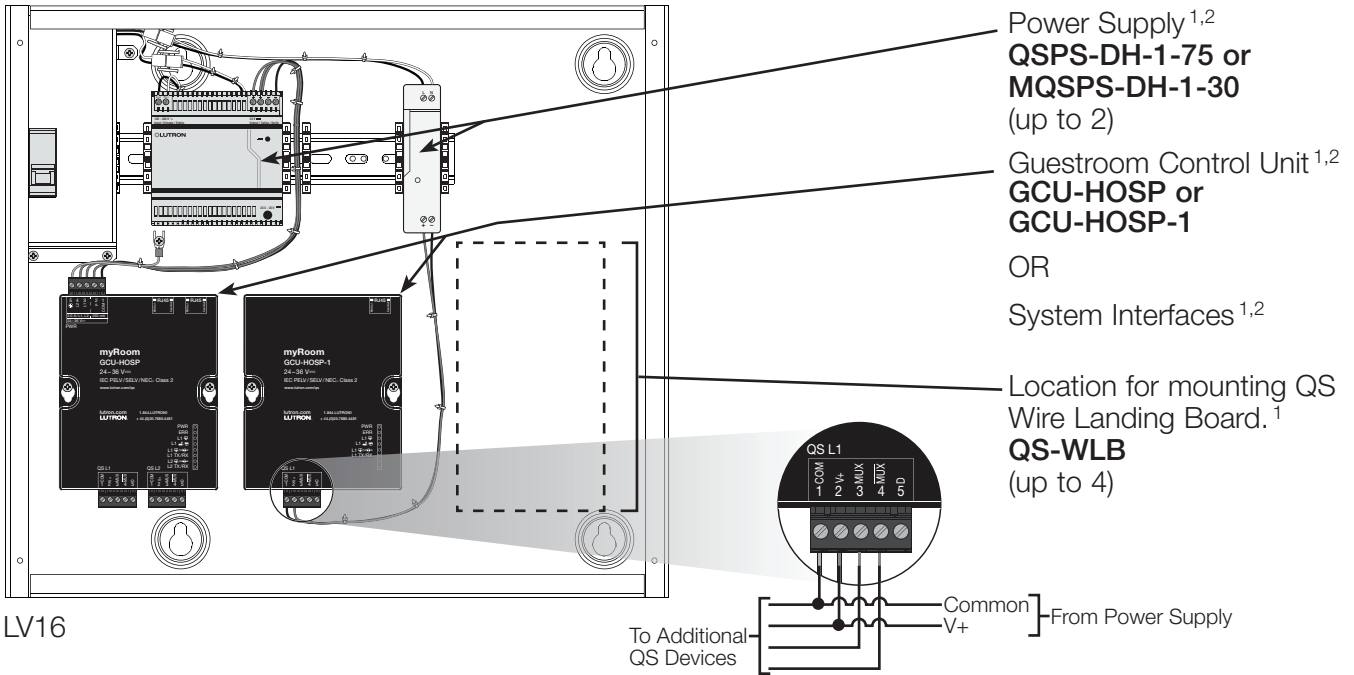
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Mounting

The myRoom Plus Guestroom Control Unit can be installed in an LV16-120, LV16-230, HQ-LV21, L-LV21, or L-LV14 enclosure. It is typically powered using the QSPS-DH-1-75 or MQSPS-DH-1-30 power supply.

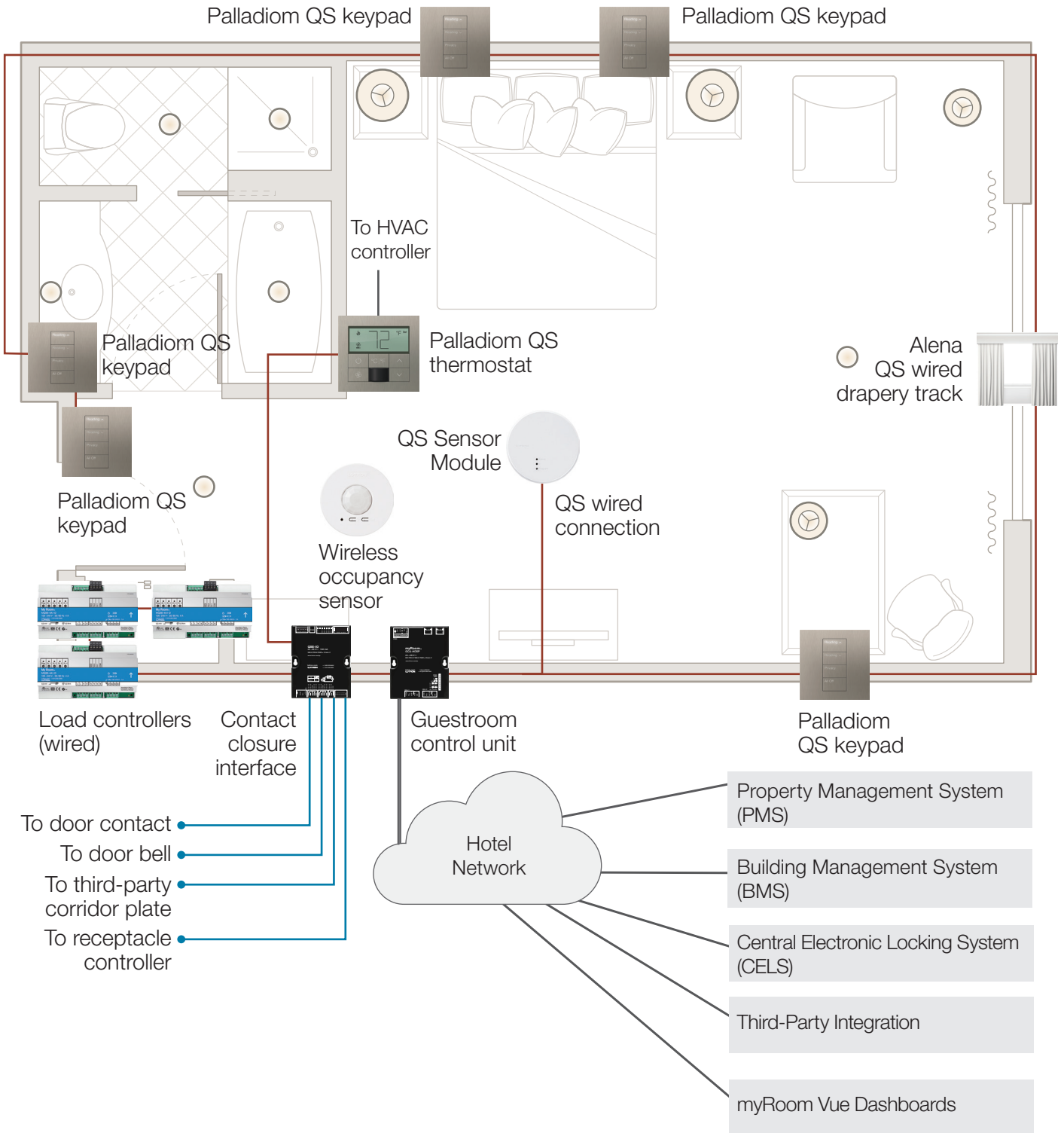


- ¹ All components sold separately.
- ² Maximum of 2 Control Units/Interfaces allowed per enclosure.
- ³ Requires mounting kit MQSPS-BRK.

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System Diagram Example



Job Name:	Model Numbers:
Job Number:	