

Quantum System Architecture for 120/277 VAC

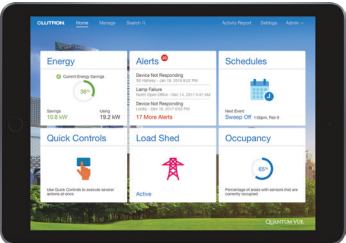
QS Wired Link

- 2,000 feet maximum wire length (consult technical specs for other applicable rules)
- Free-wire topology (star, daisy chain, home run, etc.)
- Standard Lutron 4 conductor cable*

Ethernet Network

Software

Web-based Control and Monitoring



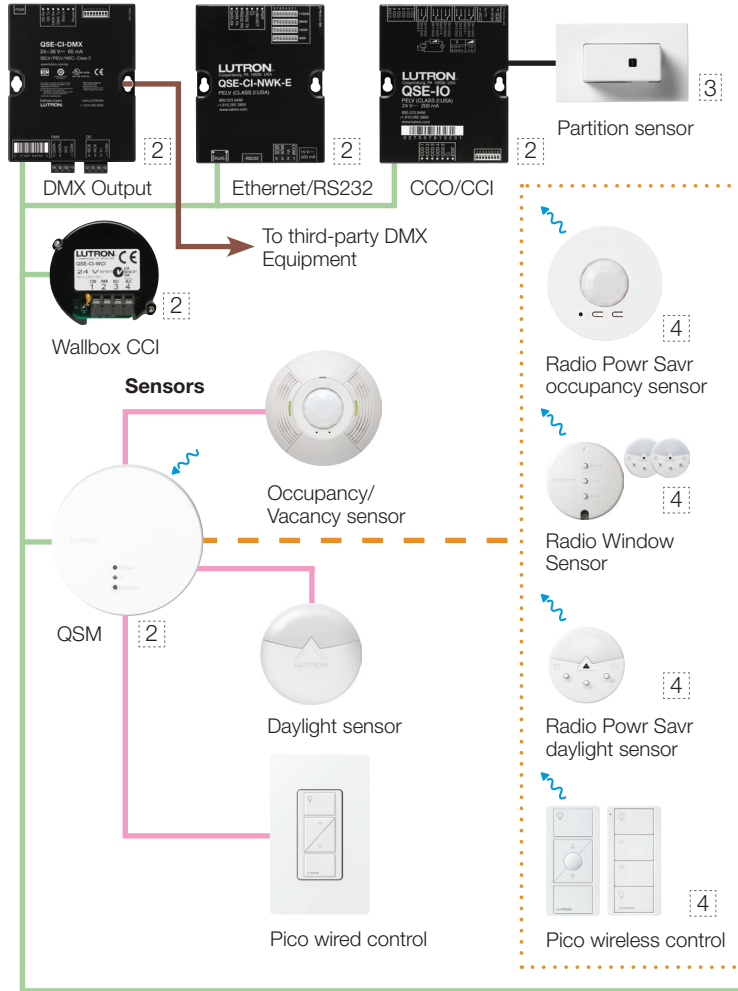
Quantum Vue

Panel Link

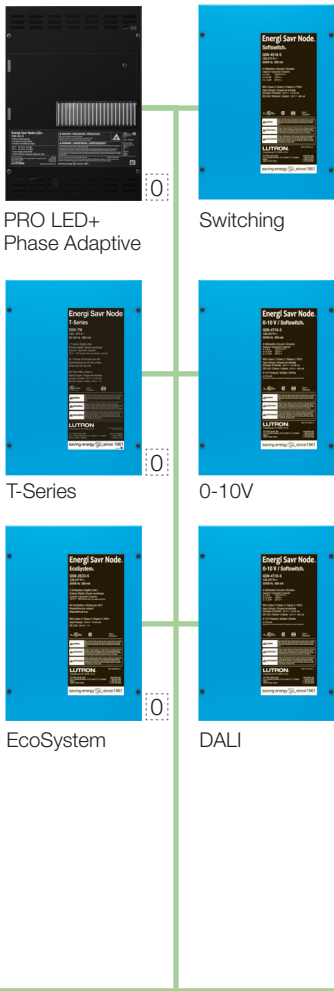
Panels



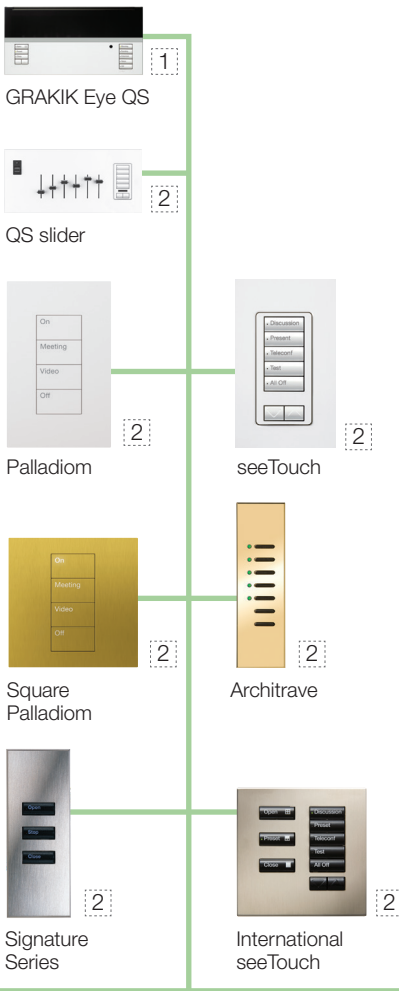
Interfaces - AV, DMX, and Contact Closure



Distributed Load Control



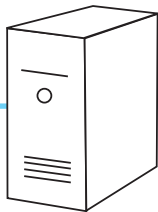
Wallstations



Shades

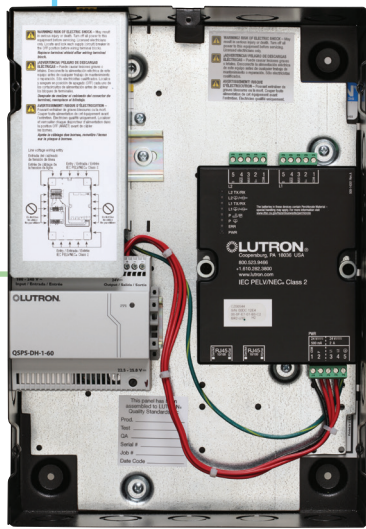


To additional Quantum processors

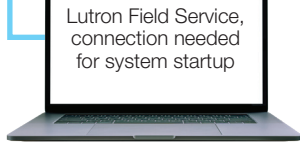


Quantum server

Building Network



Quantum Hub
QP3-1PL-120-240
or QP2-xPxCS-120



Lutron Field Service,
connection needed
for system startup

To/From third-party
DMX Equipment

Quantum System Limits

- 16 Quantum processors per subsystem
- 50 Subsystems (max)
- 100 QS devices per link
- 512 switchlegs† per link

† A switchleg is the smallest controllable point on any product - a single CCO, a zone of 0-10V, or a single digital address for a fixture.

Key - Wiring

- QS wired link*
- QSM Wired Sensor link
- - - Clear Connect - Type A link
- Ethernet link
- Panel link
- DMX link

* Pin-out: pin 1 - common, pin 2 - VDC, pin 3 - MUX, pin 4 - MUX

GRX-CBL346S-500 (runs up to 500ft) one pair 18AWG, one pair #18-22AWG twisted/shielded

GRX-CBL-46L (runs up to 2000ft) one pair 12AWG, one pair #18-22AWG twisted/shielded

RS 485, 24 - 35VDC powered

The wire gauge required for shade power conductors is dependent on shade size and number, wire run length, and power supply type being used. Consult technical specifications of shade equipment for details.

Key - Power

- 0 Line voltage 120/277 VAC
- 1 Line voltage 120 VAC
- 2 Low voltage 24-35 VDC
- 3 Low voltage 12-24VDC
- 4 Battery powered

