International HomeWorks System Architecture for 240 VAC and 434/865/868 MHz regions

HomeWorks System Capacities

- 16 processors (max)
- 32 configurable links (max)
  - 32 QS wired links (max)
  - 15 Clear Connect – Type A links (max)[2]
- 10,000 zones[3] (max)

QSX Processor

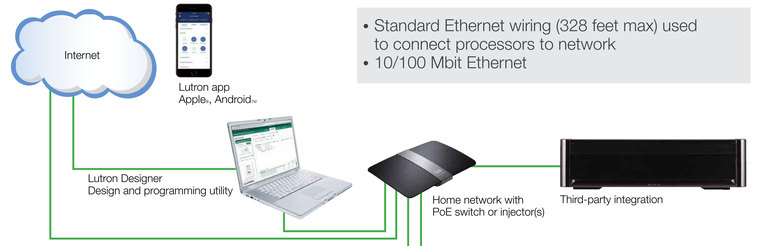
- Processor link — 2 RJ-45 Ethernet ports with built-in switch for daisy chaining processors (1 RJ-45 Port with HQP7-1)
- Configurable links (RS-485)

  HQP7-2 offers two configurable links; HQP7-1 offers one configurable link.
  - QS wired link
  - QS wireless link (Clear Connect – Type A)
- 24-35 VDC powered
- Mounts in low-voltage enclosures, PD4, PD9, and PD9 DIN panel

HomeWorks Dual-Radio Wireless Processor

- Processor link — 1 RJ-45 Ethernet port
- Configurable links
  - QS Wireless link (Clear Connect – Type A)
  - Clear Connect – Type X
- PoE or PoE+ powered using an IEEE 802.3af, IEEE 802.3at or IEEE 802.3bt compliant supply

Network Link



- Standard Ethernet wiring (328 feet max) used to connect processors to network
- 10/100 Mbit Ethernet

Key - Wiring

- Network link (Ethernet)
- QS wired link*
- Wireless link*
- RS-232/RS-485
- Palladiom HVAC Controller (3 conductor)
- Shade wiring (4 conductor)*,**
- Shade wiring (2 conductor)**
- Clear Connect – Type X link

*Wire specifications: Two pair: one pair 0.75–1.0 mm²
one pair 0.5–1.0 mm² twisted shielded
Pin-out: pin 1 - common, pin 2 - VDC,
pin 3 - MUX, pin 4 - MUX

Recommended cable: Lutron QS-CBL-LSZH-500

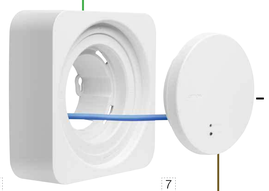
**The wire gauge required for shade power conductors is dependent on shade size and number, wire run length, and power supply type being used. Consult technical specifications of shade equipment for details.

Key - Power

1. Line voltage 240 VAC
2. Low voltage 24 VAC
3. Low voltage 24-35 VDC
4. Low voltage 12 VDC
5. Low voltage 9 VDC
6. Battery powered



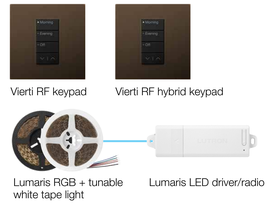
3 QSX Processor for HomeWorks



7 Dual-Radio Wireless Processor

Clear Connect Wireless – Type X

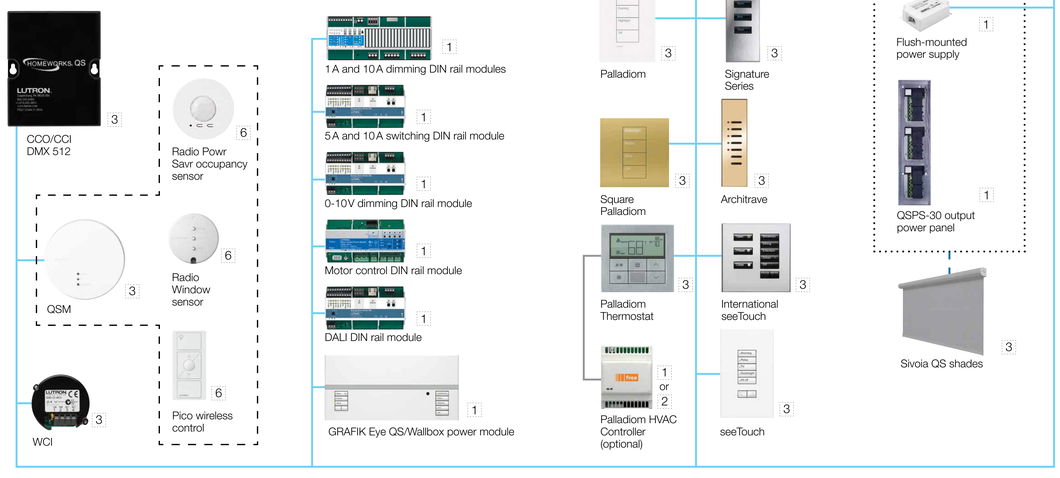
Controls and Interfaces



- 100 devices per dual-radio processor
- RF distance
  - 2 devices within 7.6m of dual-radio processor
  - All 100 devices on link within in 23m of dual-radio processor
  - Each device on link within 7.6m of two other devices on link
- 10m total of Lumaris per tape light controller
  - 5m max per run

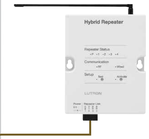
QS Wired Link

- 100 devices[1] per link
- 512 zones[3] per link
- 600 m maximum wire length (consult technical specs for other applicable rules)
- Free-wire topology (star, daisy chain, home run, etc.)
- Standard Lutron 4 conductor cable*



Note: Not all available products are shown.
Not all products are available in every country.

Wireless Link



2 or 5 Hybrid repeater

- 100 devices[1] per link (includes repeaters)
- 100 zones[3] per link
- 4 repeaters per link
- RF distance – 18 m from repeater to repeater, 9 m from device to repeater



1 GRAFIK Eye QS



6 Pico wireless control

5 or 6 seeTouch tabletop keypad



6 Radio Powr Savr wireless occupancy/ vacancy sensor





Note: Not all available products are shown.
Not all products are available in every country.

[1] Device — Any system component that requires a single address. The processor reserves a single address on every link. Four addresses are reserved for hybrid repeaters on the wireless link.

[2] Number of wireless links varies by country.

[3] Zone — An output. An individual shade or dimmer/QSG/contact closure output. Example: A GRAFIK Eye QS would be one device that could have up to six zones.

Note: Not all available products are shown.

LUTRON

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