

RadioRA[®] 3 Architecture for 120VAC and 434 MHz regions

RadioRA 3 System Capacities

- 1 processor
- seeTouch, Maestro, Shades, Pico Wireless Controls, and Sensors (Clear Connect Wireless - Type A)
 - 100 devices¹ or 100 zones² per processor (includes 4 auxiliary/wireless repeaters and 1 processor address)
 - RF range between Repeaters is 60 ft. (18 m) and 30 ft. (9 m) to other devices, with a total possible coverage area of 2500 sq. ft. (762 m²) per repeater/processor.
- Sunnata keypads, dimmers and switches (Clear Connect Wireless - Type X)
 - 100 devices¹ per processor
 - Each Sunnata device should be within 75ft of the processor
 - Each Sunnata device should be within 25ft of at least two other Sunnata devices
 - At least two Sunnata devices must be within 25ft from the processor

¹device - Any system component that requires a single address. Four addresses are reserved only for auxiliary/wireless repeaters on the Type A link (1 processor, 4 repeaters, and 95 additional devices).

²zone - An output. An individual shade, dimmer, switch or contact closure output.

Key - Wiring

— Network link (Ethernet) - - - - - Shade wiring (2 conductor)*

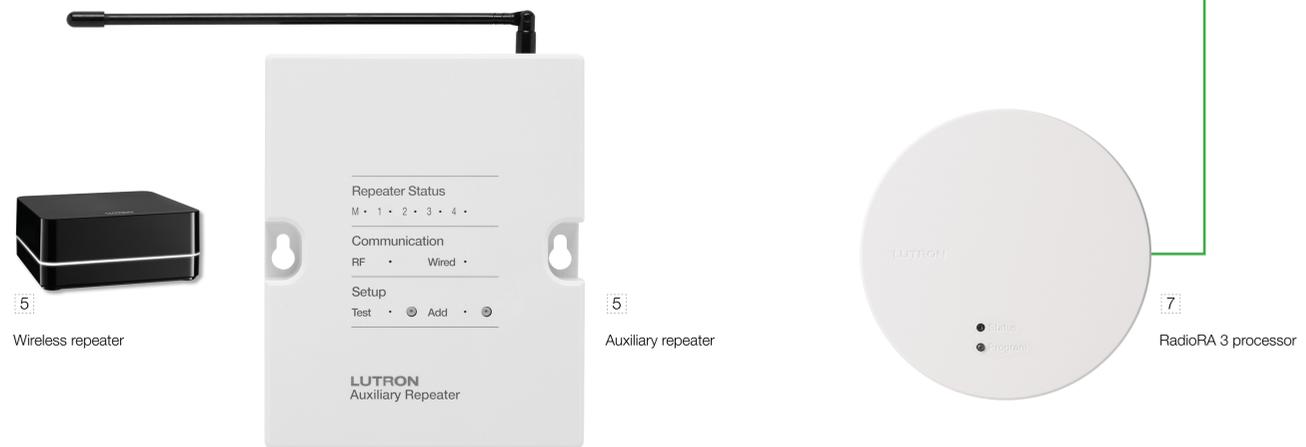
*The wire gauge required for shades power conductors is dependent on shade size and number, wire run length, and power supply type being used. Consult technical specifications of shade equipment for details.

Key - Power

- 1 Line voltage 120VAC
- 2 Low voltage 24VAC
- 3 Low voltage 24VDC
- 4 Low voltage 12VDC
- 5 Plug-in transformer
- 6 Battery powered
- 7 Power over Ethernet (PoE)

RadioRA 3 Processor

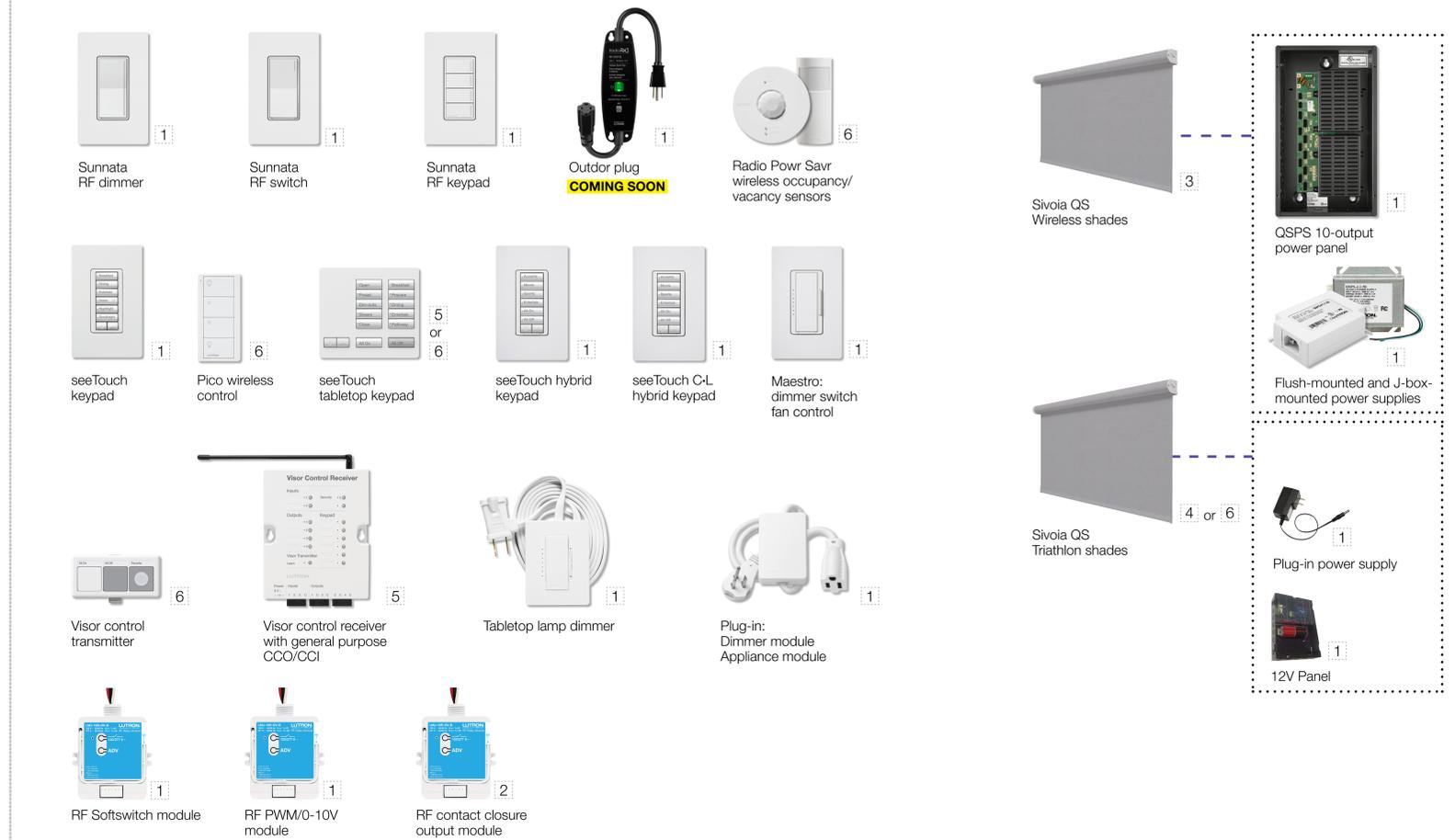
- 1 RJ-45 Ethernet port for programming/integration
- Two-way wireless communication
- Powered by an IEEE 802.3af-2003 or 802.3at-2009 compliant Power over Ethernet (PoE), supply, Lutron model L-POEI-BL or by others.



Network Link

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

Clear Connect Wireless Devices



Note: Not all available products are shown.