

Hyperion® solar-adaptive shading

NEW products and features



QP4 hub and Q-Admin™ software

Radio Window™ sensor (mullion mount)



Hyperion®

Hyperion®, Lutron's automated shading system that adjusts Sivoia® QS shades throughout the day based on the sun's position, now has two new exciting products:

- A new hub for shade applications
- A sensor to compensate for clouds and shadows/bright conditions



QP4 hub and updated Quantum® Select Hyperion package

The QP4 hub combines a shade power panel and a Quantum processor into one component. The new Quantum Select Hyperion package combines this QP4 hub with the shade control, monitoring, and Hyperion software license to provide a simple, cost-effective solution for adding solar-adaptive automation to Sivoia QS shades.

Benefits

Lower cost and easier installation

Combining the processor and power panel in a single package reduces the product price as well as installation time.

Scalable

You can add panels as needs change and scale from a single room to a floor, a whole building, or campus.

Total light management™

You can also easily add light controls to provide total light management.

What it does

This hub integrates the 10-output shade power panel with a Quantum processor, providing Hyperion control of up to 10 QS shade drives.



Key features

- Power source for QS keypads, interfaces, QSM modules or up to 10 QS shade drives
- Works in conjunction with the Lutron Radio Window™ sensor
- Panel dimensions: 24.5in H x 14.4in W x 4.5in D

NEW

Radio Window™ sensor

The Radio Window sensor works with Hyperion® solar-adaptive shading technology by:

- opening shades during cloudy conditions or in response to shadows from neighboring buildings
- lowering them in overly bright conditions such as glare reflected from neighboring buildings.

Benefits

Optimizes energy savings

Opening shades in the presence of clouds or shadows allows for maximum energy savings from daylight harvesting.

Reduces operating watts per square foot.

Maximizes comfort

Access to outdoor views/daylight helps improve occupant mood and increases productivity.

Lowers shades when bright, glary conditions are detected.

Installs quickly

The sensor is wireless, so it's easy to mount.

Flexible mounting

Available as a window mount or mullion mount pair.

Easy to maintain

System tweaking is done through Hyperion software.

Scalable

Use with a single shade or a zone of shades on a floor, façade, or entire building.



Mullion mount sensor pair



Window mount sensor

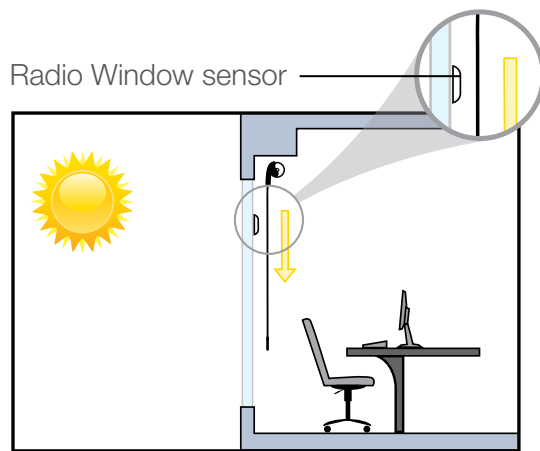
Key features

- Front accessible buttons make set up easy
- Interior mount ensures protection from outdoor elements
- Discrete design for minimal aesthetic impact
- Works with tinted and reflective glass surfaces
- 10-year typical battery life reduces maintenance costs
- Utilizes Lutron reliable Clear Connect® RF technology

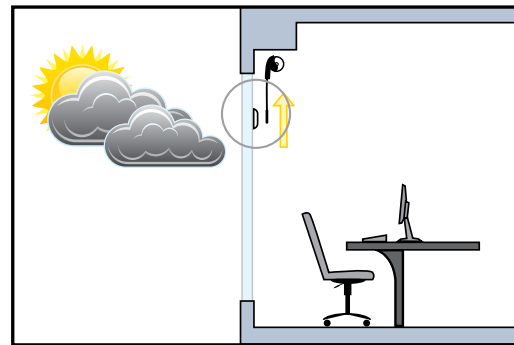
How it works

The Hyperion® algorithm automatically moves the shades throughout the day to limit the depth of direct sunlight entering the space. The Radio Window sensor adds further functionality to Hyperion by taking into account variable conditions such as the weather or shadows from neighboring buildings.

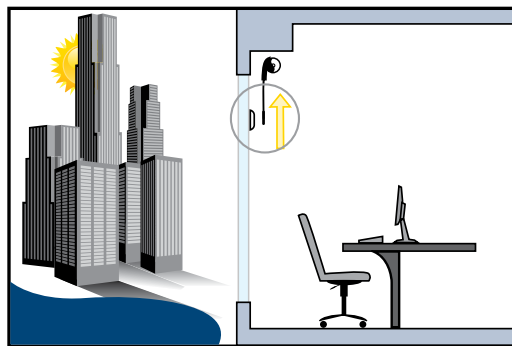
The sensor reports the measured amount of daylight on a façade to Quantum®. When the light levels drop below a configurable threshold range for longer than the predetermined timeout period, the sensor overrides Hyperion and the shades raise. When the light level is too bright and above the threshold, the shades lower to limit the amount of glare-causing light entering the space.



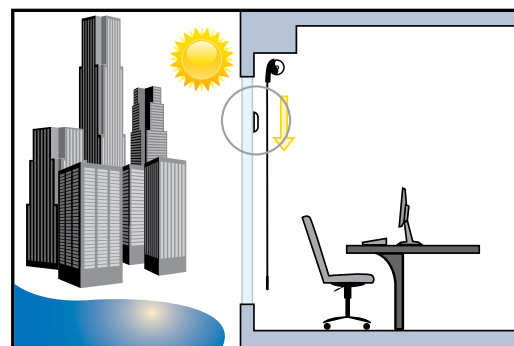
Sunny day—shades lower



Dark cloudy day—shades rise



Shadow from adjacent building—shades rise



Glaringly bright day—shades lower

Sensor options

The Radio Window™ sensor is available as a mullion mount pair or a window mount. Both options offer the same sensing performance, but provide different mounting aesthetics.

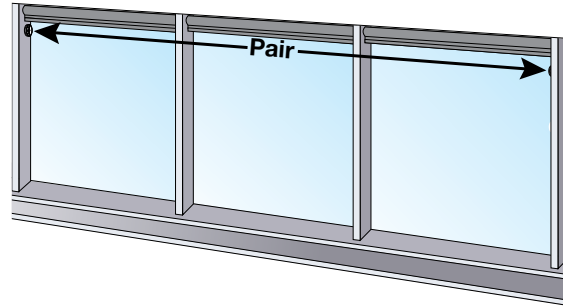
Mullion mount pair

- Discreet mounting: One sensor mounts to each side of a mullion.
- Sold in pairs.
- Available in white, black, grey, and brown.
- Uses both sensor readings to provide optimal shadow detection.

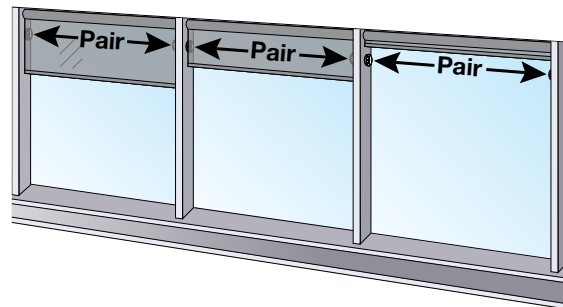


Depth: 0.7" (17 mm)

Controlling multiple shades with 1 sensor pair



Controlling 1 shade per sensor pair



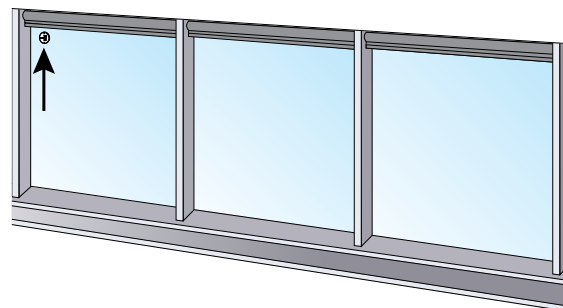
Window mount

- Sensor mounts directly to window.
- Sold individually.
- Available in white.
- Flexible mounting location.
- May require one-time relocation to achieve optimal shadow detection.

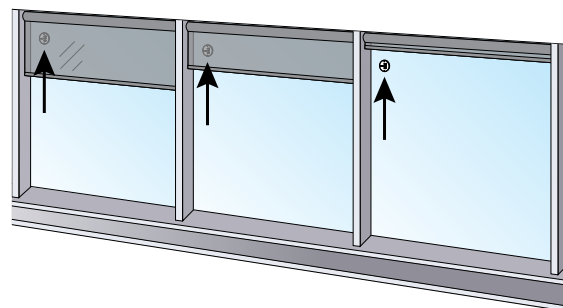


Depth: 0.7" (17 mm)

Controlling multiple shades with 1 sensor



Controlling 1 shade per sensor



Detection and shade grouping options

What type of control is important to your project?

Shade group and detection options

Sensors are arranged to control shade groups. A shade group may consist of a single shade, multiple shades, or all the shades on a façade.

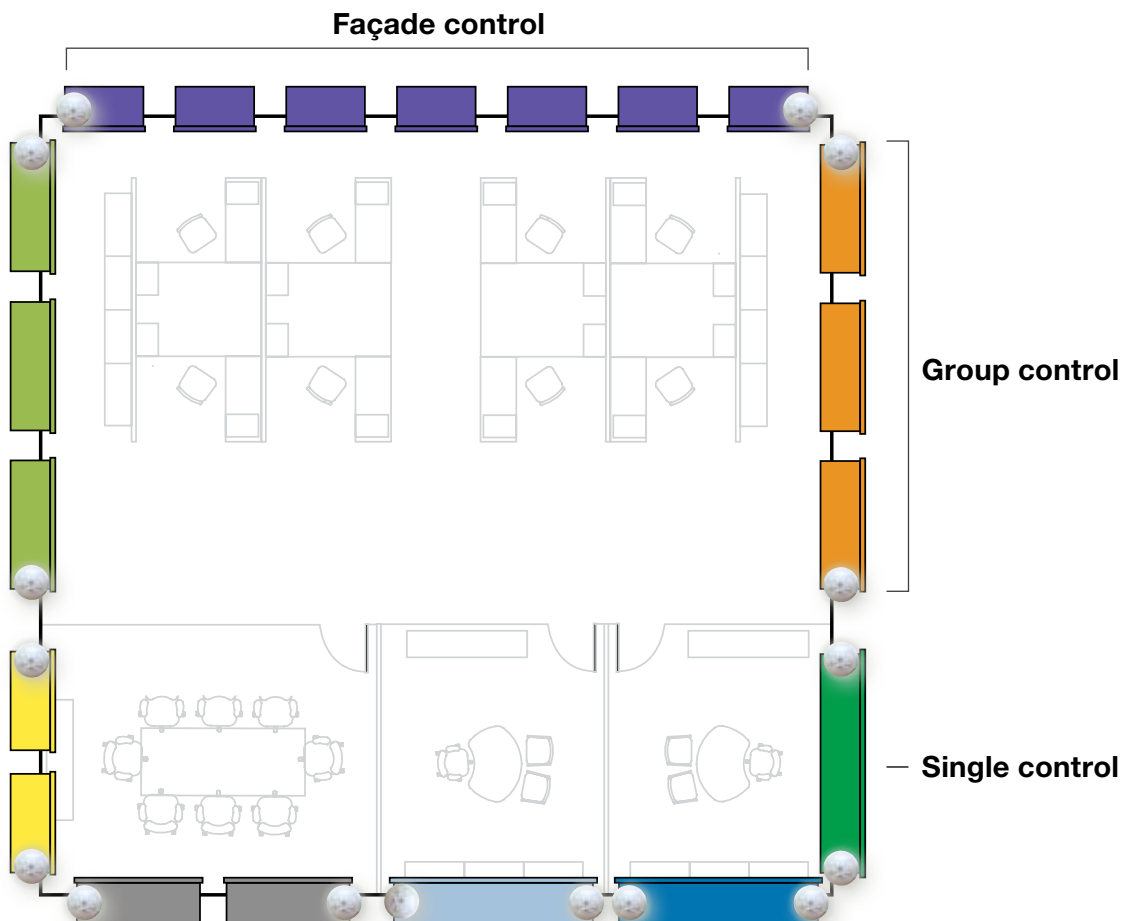
Single and multiple shade control

Single and multiple shade control provides more localized shade sensing and control than façade control. This type of control is ideal for spaces where there's a high potential for shadows and glare from neighboring buildings.

Single and multiple shade control requires either individual window sensors or mullion mount sensor pairs for each single shade or group of multiple shades.

Façade control

Façade control provides synchronized control of multiple shades across an entire façade, for a clean aesthetic. This type of control requires only one window sensor or one mullion mount sensor pair for the entire façade.



Each color represents either a shade or a group of shades (groups of shades move in unison). This example uses mullion mount pairs, although window mount sensors could also be used.

For more information on the Quantum® Select Hyperion package, QP4 hub, or the Radio Window™ sensor visit www.lutron.com or contact our Shading Quotes/Customer Service team at 1.800.446.1503 or shadinginfo@lutron.com.

www.lutron.com

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