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## **Dimming photosensor uses groundbreaking technology to save energy and ensure convenient commissioning and operation**

SANTA CLARA, CA April 2008 – Watt Stopper/Legrand has developed the LS-301 Dimming Photosensor, carefully combining features for optimal performance and ease of installation and use. At the heart of the device is the groundbreaking sliding setpoint control algorithm pioneered by Watt Stopper/Legrand. The LS-301 also employs a handheld setup remote to facilitate quick and convenient commissioning.

The sliding setpoint algorithm allows the controller to compensate for the disparate spatial distribution of daylight and electric light. By having two different setpoints for day and night, the target setpoint changes based on the current light level conditions. Additionally, the spectral response of the LS-301's photodiode has been carefully tuned to match the photopic curve; the light perceived by the human eye. By sensing only visible light, the photosensor does not over-dim or under-dim. Together, these features result in a balanced contribution of electric light at all times, that adjusts subtly and is comfortable for occupants.

Watt Stopper/Legrand's LS-301 makes the tasks of installation and commissioning simple. The photosensor is quick to install, and setup is a snap. All adjustments are made using an intuitive remote control, so there is no need for tools or ladders. An optional occupant remote control permits the automatic lighting level to be temporarily overridden, if needed, without changing the setpoints.

With the growth of interest in sustainable building practices, the opportunity to capture energy savings using automatic daylighting control has become widely recognized. The LS-301, which controls standard 0-10 VDC electronic dimming ballasts, can be used as one element of a green lighting design that minimizes energy use and keeps operating costs in check. The LS-301, and Watt Stopper/Legrand's other innovative LightSaver® daylighting controls, may be combined with occupancy sensors or scheduled control in layered control strategies.

Watt Stopper/Legrand ([www.wattstopper.com](http://www.wattstopper.com)) is a leading manufacturer of energy efficient lighting controls for commercial and residential use. We help customers find convenient ways to save energy, meet green initiatives, and comply with energy codes with our comprehensive range of products, programs, and services. Legrand ([www.legrandelectric.com](http://www.legrandelectric.com)), located in Limoges, France, is the world specialist in products and systems for electrical installations and information networks, offering solutions for use in residential, commercial and industrial buildings.

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