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Nysan Introduces SolarWare™ Control System

- Flexible, Powerful System Automates Internal and External Shading Devices -

Calgary, Alberta (June 3, 2008) – Nysan, a leader in the solar control industry, launched its new SolarWare™ control system, an engineered solution that enables sophisticated automation of its entire line of shading devices. “This state-of-the-art system actively responds to changes in weather and building conditions to manage solar thermal gain and optimize daylighting,” said Frits Nijs, president of Nysan Solar Control. “As a result, the system contributes to lower energy costs.”

A SolarWare™ solution can support a number of approaches to solar control, from input controls for basic implementations, to contextual controls for coordinated control schemes, to managed controls for full integration and monitoring.

Input Controls

Input controls are the most basic implementation, connecting shades to switches or sensors that raise or lower them on command. Nysan’s input controls include occupancy sensors, sun sensors, wind sensors, switches, remotes, and timers, as well as a full line of motors. These input controls are appropriate for situations in which one or more shades will operate primarily in response to commands from sensors or from users. No coordination among devices is required.

Contextual Controls

Contextual controls allow more sophisticated automation scenarios, using distributed intelligence schemes to maintain desired shading conditions. These systems employ motors with intelligent controls, and can also incorporate all switches and sensors. The controls achieve a defined shading condition by enabling a wired or wireless communication network among shading devices with all shades collectively monitoring each device’s status. Nysan contextual controls utilize a distributed intelligence approach in which each device manages itself, but in coordination with all other devices. Incorporating sun-tracking and scheduling capabilities, a contextual system can behave differently according to the time of day, week, or year. Contextual controls can also enable customization for the specific location and orientation of a building.

Managed Controls

Managed controls have all the features of contextual controls, plus active monitoring, logging, diagnostics, alerts, and integration with building management systems (BMS) for the most advanced implementations. The system adds full visibility of all shades through a software interface. This web-based interface tracks sensor performance and

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the status of each shading device locally or remotely. Users can be given control of shades in their specific area, while administrators can adjust shades throughout the system. BMS integration allows coordination of shading performance with HVAC, lighting, security, and other systems.

Nysan Solar Control is the leading provider of engineered solar shading solutions to the architecture and design community worldwide. Nysan offers customizable innovative systems with high-performance and environmentally friendly fabrics. The company is headquartered in Calgary, Alberta, Canada, and is part of the Hunter Douglas Group.

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