



betweenglassblinds™

Mastering Daylight — digitally controlled shading solutions

Smart, synchronized control over the entire house – Orshade's cutting edge control systems allow the inhabitant to control parts of the façade or the entire house with the push of a button.

The electronic control system enables synchronized control over complete façades with up to 6 panels or more. The blind field is operated by a 24 DC motor and controlled by a control unit external to the IGU.

The blinds can be controlled by different means of operation including a designated switch, an IR remote control, a house-automation system, or an IP application (via computer or smartphone).

In the electronically controlled blind system, the motor is integrated within the head rail spacer of the insulated glass unit. This ensures an optimal environment for the motor – dry and dustless. An advanced built-in electronic limit switch ensures correct stop of the motor driven blinds, in upper and lower positions.

In automatic systems, the slats move simultaneously in all windows and are positioned at the same angle, thereby creating a calm and harmonious façade. The elevation speed is uniform on all blinds, and both angle and speed have a tolerance within 5%. As there are no loose control cords to disturb the visual impression, electrically driven blinds do not disturb the design of the façade.



Home-automation interface

As home automation becomes increasingly more popular in households, Orshade provides its customers with a line of unique edge solutions for the house envelope.

Integrate the blind façade in your home-automation interface using Orshade's KNX/EIB gateway. The gateway communicates with Orshade's MCU series of RS485 control units and allows you to synchronize your blind system with other systems such as the electric lighting system and heating system.

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ORSHADE
daylight control systems





One solution under one roof

all of our daylight control systems' components are designed exclusively by Orshade for maximum compatibility and strict quality control.

Motors

The DM9035 motor is a small but powerful 24W DC motor with an integrated encoder, dual planetary gearheads and dual shaft output with low noise operation, Designed for operation of venetian blinds.

The motor itself is a first quality German made Bühler motor, tested for over 100.000 full cycle operations of the blinds (approx 91 years of normal operation). It is designed for high accuracy positioning and is rated for high temperature operation.

DM9035 is designed for operating venetian blinds up to 4 sqm., but can be used for any appliance within the specifications of the motor.



Control Units – single / 6 channels

The latest 2013 generation of our most popular MCU, the 9201 \9206 venetian blind motor controller, introduces a range of new features, such as function programming available directly from the pushbuttons, including height programming, Down on Boot, SoftStop with reverse and many more. The advanced auto-adjust routine, adjust the power and positioning system individually for each blind, for maximum lifetime and performance, and minimum wear of the blind system.



On the hardware side the 9201 and 9206 is designed with low-power technology and consumes as little as 0,5 Watt. The dry-contact inputs can be configured to act as master of groups of blinds on the databus.

The new active encoder system ensures perfect synchronization between blinds, despite of different sizes, and it features also fast acting electronic short circuit protection.

The MCU-9201 is designed for mounting on 35MM DIN Rail in a width of one module (105mm).



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