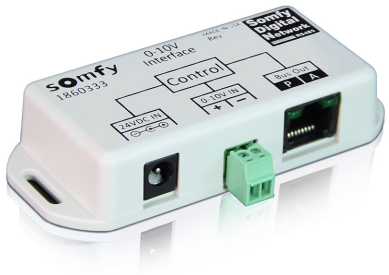
Controlling Somfy Digital Network™ (SDN) Shading using 0-10 Volt

Accurate Proportional Control for Somfy Digital Network™ (SDN) Shading

The SDN 0-10V Interface provides the intelligence to building control systems to operate shading with proportional percentage control. Multiple building subsystems including lighting, HVAC and security are able to provide control for shading. For example, a 0-10V lighting keypad could proportionally control SDN motors. Integrating shade control in buildings improves building performance and occupant comfort by optimizing the use of natural lighting.



Shading Control Elements

- Lighting
- Security
- Audio-Visual
- HVAC

Integrated Shade Control for Building Systems

Lighting

- Balance the use of artificial and natural light
- Automate shading from lighting control outputs
- Improve occupant comfort and productivity

Security

- Link alarms or security systems with shade control
- Shading reacts to the signals from the security or alarm systems
- Increase safety for occupants or first responders

Audio Visual

- Integrate shades with audio-visual in conference rooms
- Offer cost-effective integration abilities on projects
- Easy to configure scene selection for installations

HVAC

- Integrate heating and cooling with solar heat gain
- Automate shading from HVAC control system outputs
- Meet building needs with a holistic approach

The SDN 0-10V Interface integrates with many types of building subsystems. The examples above represent the most common use cases.

Product info

Part name:	SDN 0-10V Interface
Part number:	1860333
Part description:	The SDN 0-10V Interface is a Somfy Digital Network™ (SDN) device which receives industry standard 0-10V control input to operate SDN RS485 motors. This product is “plug and play” operating as a group device controlling all motors in a group without having to program the interface.
SDN System Capabilities:	> Up to 20 motors per SDN 0-10V Interface > Supports Data Hubs, Keypads, and RTS Receivers with specified Bus Power output.