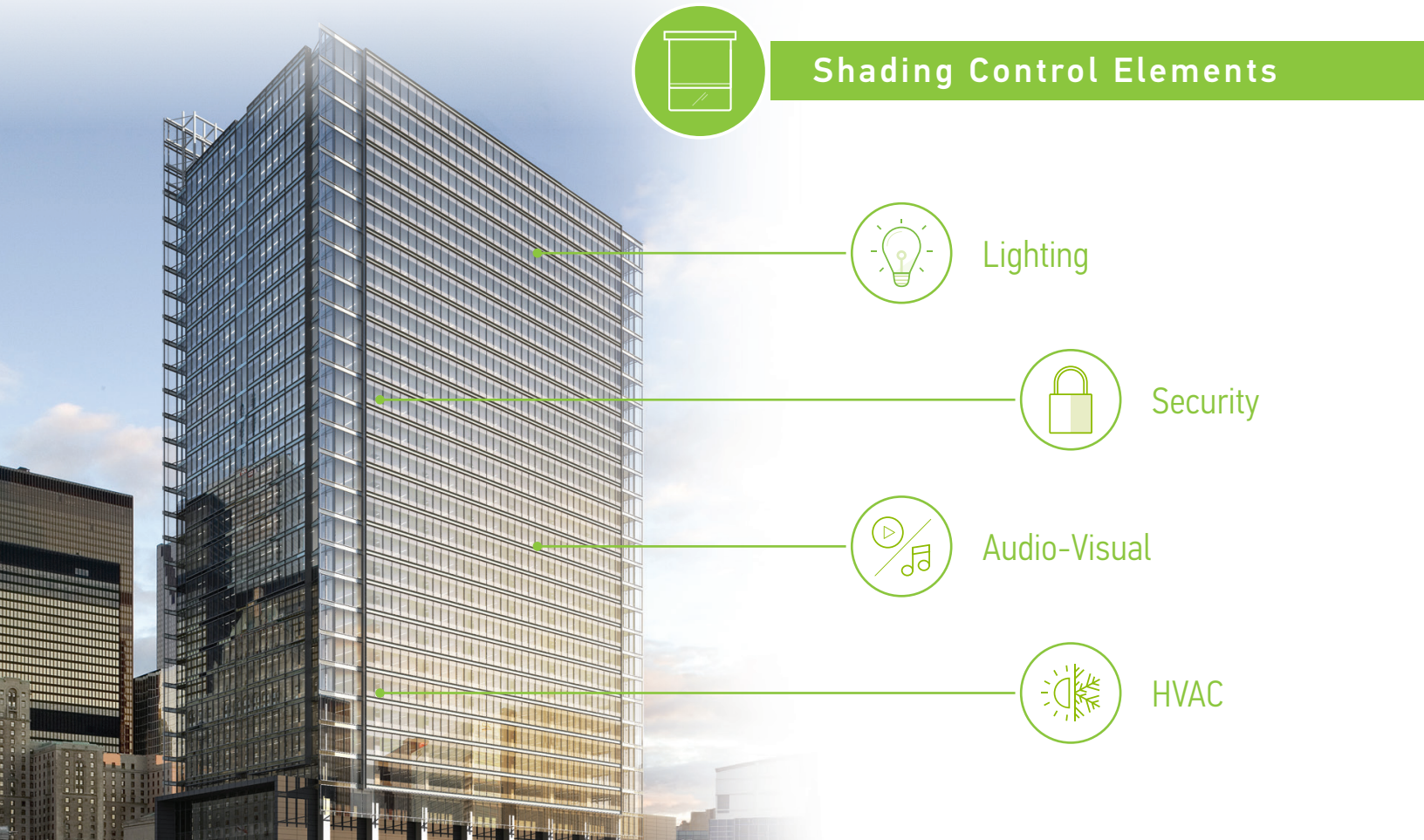


# Controlling Somfy Digital Network™ (SDN) Shading using 0-10V

## 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. Integrating shade control in buildings improves building performance and occupant comfort by optimizing the use of natural lighting.



# Integrated Shade Control for Building Systems

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



## 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

## Product info



**Part name:** SDN 0-10V Interface V2

**Part number:** 1870857

**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. Please note that the plenum interface may require configuring through a bank of DIP switches. No software programming required, you can program directly onto the 0-10V Plenum Module itself.\*

### SDN System Capabilities:

- > Up to 30 motors per 0-10V Interface via 6 Data Hubs (1870262).
- > Supports Data Hubs, Keypads, and RTS Receivers with specified Bus Power output.
- > Suitable for installation in air-handling spaces.