FAS
floridaautomatedshade.com

Lower costs and improve efficiency with

PoE Shading

Innovative Control of Motorized Window Treatments Using Power Over Ethernet

somfy®

What is Power over Ethernet (PoE)?

Power over Ethernet (PoE) distributes network signals and electrical power to transmit communication over standard low-voltage category cabling to various endpoints, including shades, draperies, LED lighting, HVAC controls, cameras and other networked devices in new or existing projects.

What PoE can do for you?

Savings up to

46%

on infrastructure cost & service for shading!

Details on back cover

Cut costs:
Lower infrastructure costs and capital expenses by eliminating wall circuits for endpoints and consolidating continuous power supply systems.

Save time:
Shorten deployment time through reducing the stages of construction and installation.

Efficiency:
Simplifies the building code process for new construction or renovations.

Conserve energy:
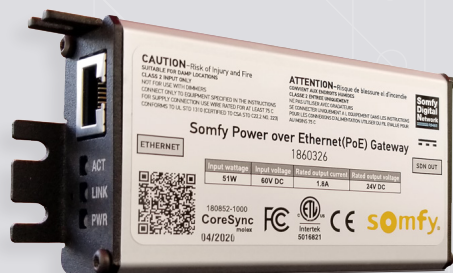Reduce energy expenditures using Cisco energy management systems.

Improve performance:
Extend intelligent load-shedding capabilities to switch-connected devices.

What is the PoE Gateway?

- Power and data over single-layer infastructure
- Safe and cost effective to install
- Based on Ethernet standard
- Future abilities to upgrade the product
- Human centric control with motorized shading
- Shades can be used to communicate information to users
- Can be integrated with other systems

Why use PoE for shading systems?

- Power over Ethernet(PoE) delivers data and power over Cat5e/Cat6 Ethernet cable
- Reduces costs by eliminating the need for AC or DC power supplies
- Updated product firmware and software
- Ability to program up to 16 intermediate positions per motor
- Control groups of motors with a stop and align command
- Less requirements and dependence on electricians for installation
- Ethernet cable is less expensive than typical line voltage or specialized low-voltage cabling
- Great for installing products in remote locations

When to use PoE for shading systems?

New Construction:
- When it's convenient to install a low-voltage cabling network
- Streamline process of project installation coordinating with low-voltage network installer

Renovation:
- When a PoE system is already in place or going to be added
  - Simple to use ports of an existing or added network switch
- Easier to power motors using low-voltage cable over line-voltage

Power over Ethernet (PoE) Ready

The SDN PoE Gateway is ready for fast, easy connectivity using an RJ45 input, compatible with standard Cat5e or Cat6 UTP cables.
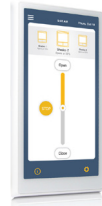
Compatibility / Capabilities

PoE Technology

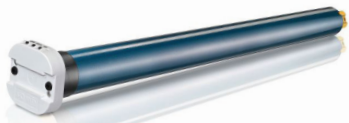**PoE Touch Panel Room Controller**
1870731 (black)

PoE Touch Panel Room Controller
1870811 (white)

SDN Technology

animeo® IP wall mounted keypad
1811288, 1811289
(also available in black and ivory)

Motors

Sonesse® ULTRA 50 DC RS485
Large roller shade motor
1134022

Sonesse® 30 RS485
Small roller shade motor
1000658

Irismo™ 35 Mini DC
Drapery motor
1003003 or 1003004
Requires SDN Irismo 35 Mini DC Control
Enclosure Kit (with drapery cable) 1870282

Motors operating in unison

Control up to four DC RS485 motors per SDN PoE Gateway

	Sonesse® ULTRA 50 DC RS485	Sonesse® 30 RS485	Irismo™ 35 Mini DC (w/RS485 Enclosure Kit)
Number of motors operating at a time	1	2	1
Group operation	Cascading individually	2 motors at a time	Not available: 1 motor per Gateway
Wattage per motor	36W	20W	48W

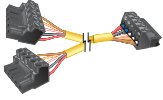*Multiple motor types can be combined per gateway

NOTE: The POE Touch Panel Room Controller allows for grouping up to 20 Gateways

Connecting Multiple Motors per Gateway

Motor Daisy Chain Adaptor for PoE Gateway (9020451)
Cable length: 36 in.

For Drapery Installations

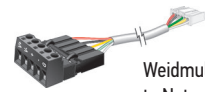**SDN Enclosure Kit for Irismo 35 DC (1870282)**
Includes: DC Drapery Adaptor for Power over Ethernet PoE Gateway (9025012)
Cable length: 36 in. (Maximum of one drapery motor per PoE Gateway)

Irismo™ 35 (Mini DC) DCT or RTS

For Larger Shades

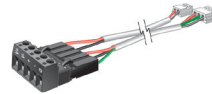**Sonesse® ULTRA 50 RS485 Data and Power Pigtail (9020004)**

Weidmuller Connects to Network

Sonesse® 50 DC ULTRA RS485

animeo® IP Digital Keypad

Required Cable

PoE Gateway to Motor animeo Keypad Adaptor (Plenum Rated) (9025011)

Cable length: 13 in. overall, 8 in. to keypad

Required Cable

PoE Gateway to Motor Adaptor (Plenum Rated) (9025010)

Cable length: 13 in.

or

For Smaller Shades

Sonesse® 30 RS485 Data and Power Pigtail (9020261)

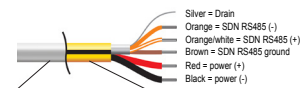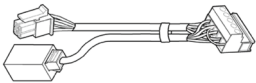**Sonesse® 30 RS485**

Optional Motor Switch Connectors and Cables

SDN Motor Female Connector (9025113)

SDN Motor Male Connector (9020743)

SDN Low-voltage Motor Power and Data Cable

Silver = Drain
Orange = SDN RS485 (-)
Orange/white = SDN RS485 (+)
Brown = SDN RS485 ground
Red = power (+)
Black = power (-)

9020126 (US)/9020452 (CAN) – Non-plenum Rated

9020127 (US)/9020453 (CAN) – Plenum Rated

SDN PoE Gateway (1860326) Gateway Kit (1870445)

- Up to 4 motors
- Up to 240 ft. total

PoE Touch Panel Room Controller (1870731) Black, (1870811) White

From PoE Network

Network Switch
PoE 60Watt/LLDP

Router

Third-Party Control System

Power over Ethernet Switch must support LLDP and be a Cisco UPoE compliant device

Learn more about these products with this link,

www.somfysystems.com/poe