

Somfy Digital Network™ RS485 Irismo™ 35 Enclosure Kit



Item #: 1870282

OVERVIEW:

The **Somfy Digital Network™ (SDN) Irismo™ 35 Enclosure Kit** integrates Somfy's range of drapery motors into stand-alone SDN systems. The SDN module receives SDN network communication signals and converts them to motor control commands for operating Somfy's Glydea® and wired Irismo™ motors. The module receives power from the SDN bus or SDN Power over Ethernet (PoE) Gateway. It is configured using the Somfy Motor Configuration Software and offers control commands for open, close and stop.



SOMFY DIGITAL NETWORK SYSTEM OVERVIEW:

Somfy Digital Network™ (SDN) is Somfy's intelligent wired shading network. An SDN system is comprised of bus distribution devices that create a network for user interfaces, motorized applications and sensors to be connected. SDN is scalable and suitable for both small and large projects. The same components are used whether an SDN system remains standalone or integrated into third-party automation systems.

FEATURES SUMMARY:

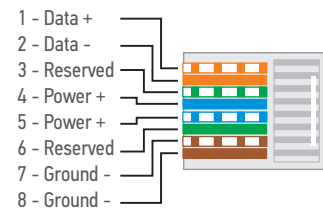
- Control Glydea® (not Glydea® ULTRA) and wired Irismo™ motors (not Irismo™ WireFree) within a stand-alone Somfy Digital Network™ system, Somfy Connect™ UAI Plus SDN system or PoE network.
- One module per drapery motor
 - Tandem tracks use one card splitting to 2 motors with an RJ12 splitter
- RJ12 modular plug for simple connection to motor
- Includes node ID programmed to the module with label applied
- Connects to any device port on the SDN bus
- Receives commands over the SDN bus and translates them into motor commands for open, close and stop
- Powered over the SDN bus or Somfy PoE Gateway
- Can be programmed with up to 6 SDN group addresses
- Configured using Somfy's Motor Configuration Software
- Features a reset button to easily clear configuration

TECHNICAL SPECIFICATIONS:

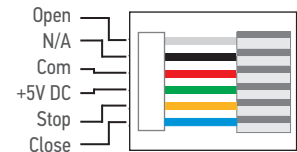
- Input: SDN bus power
- Power Consumption: 10mA
- SDN Power Units: Consumes 1 power unit
- Material: FR-4 fiberglass and modular cable
- Modular cable length: 3 in.
- Operating Temperature: Ambient temperature
- Dimensions: 2.94" L x 2.35" W x 1.17" D
- Shipping weight: 1 lb.

CABLE PINOUTS:

CAT-5e or higher TIA-568B standard with RJ-45



Note: Cable is included with the SDN Drapery Card



COMPATIBILITY:

- Motors:
 - Irismo™ 35 (Mini DC) DCT (1003003)
 - Irismo™ 35 (Mini DC) RTS (1003004)
- Legacy Motors:
 - Glydea® 35e Motor DCT with 10' plug (1002465)
 - Glydea® 60e Motor DCT with 10' plug (1002545)
- Control Systems:
 - Somfy Digital Network™ (SDN)
 - Somfy Connect™ Universal Automation Interface (UAI) Plus
 - SDN Power Over Ethernet(PoE) Gateway

COMMUNICATION SETTINGS:

- 4800 baud
- 8 data bits
- Odd parity
- 1 stop bit
- Flow control none

OPTIONAL ACCESSORIES:

- USB to RS485 Adaptor: #9015260
- Bus and Sensor Station Power Supply: #1822440

WHAT'S IN THE BOX:

- SDN Module for drapery motors #1811129 (includes Node ID labels & RJ12 modular cable)
- Printed Male Weidmuller Connector #9020743
- Installation Instructions
- Irismo™ 35 Mini DC Control Enclosure Kit #9021132 (includes screws)
- DC Drapery Adaptor Cable for SDN & PoE Gateway #9025012

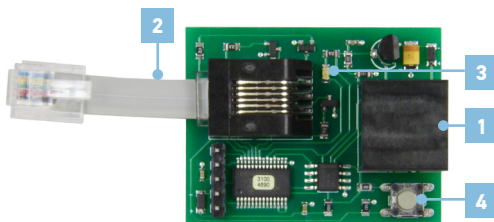
PROGRAMMING AND SOFTWARE:

Download from

www.somfypro.com/services-support/software

- Somfy Digital Network™ (SDN) Motor Configuration Software

CONNECTIONS AND INDICATORS:

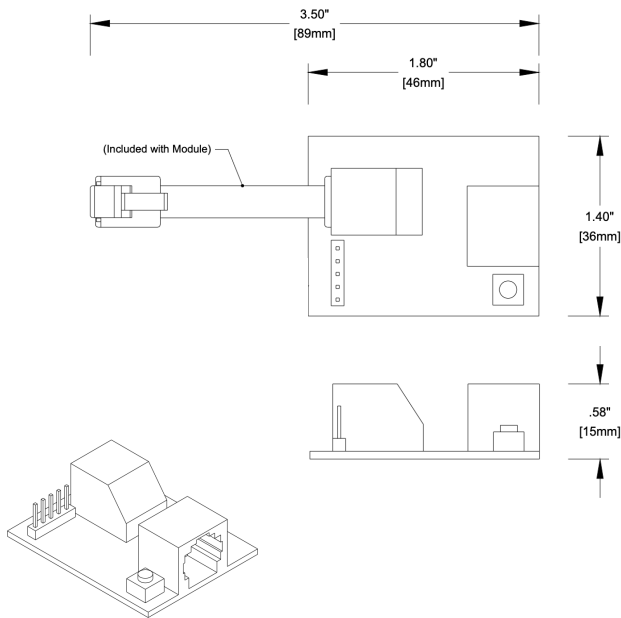


ELEMENT	FUNCTION
1 RJ45 Modular Connector	SDN input connection for pass-through operation
2 Communication Cable	SDN output with pass-through data and power
3 Status Indicator	Flashing red: SDN data transfer Off (when connected to power); normal operating mode
4 Reset Button	Reset to factory default

DIMENSIONS:

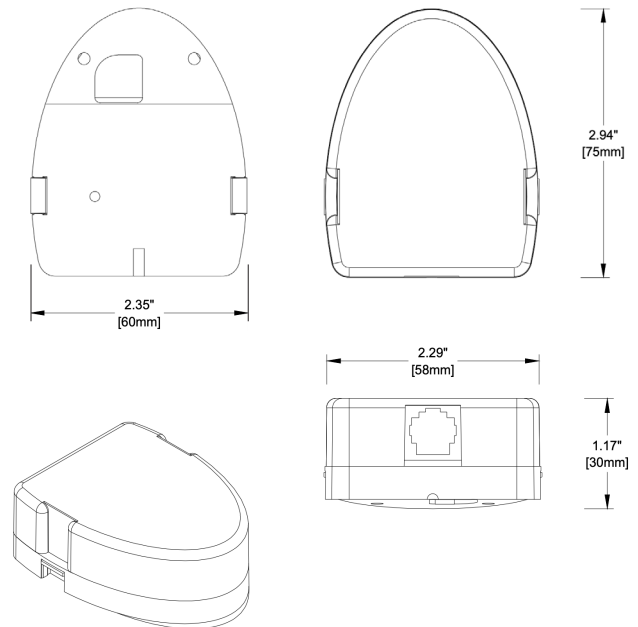
SDN Module for drapery motors

#1811129



Irismo 35 Mini DC Control Enclosure

#9021132

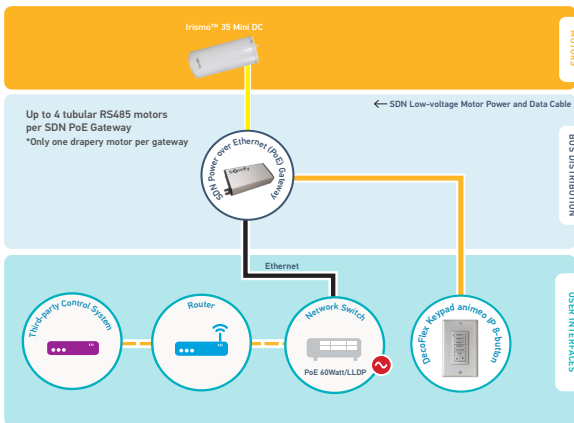


BEST WIRING PRACTICES

The diagram shown below is meant for illustrative purposes to show the connections from product to product. This device could be used in other configurations than shown below. For specification information on individual products, see related product information. Follow all SDN wiring standards for distance limitations. Not for use with animeo IP® systems.

NOTE: It is not recommended to use a Cat5e cable with a boot or strain relief as it will not fit inside the motor casing.

Power over Ethernet (PoE)



Somfy Digital Network™ (SDN) RS485

