

Power Panel for SDN

Item #: 1870259



OVERVIEW:

The **Power Panel for SDN** is a Somfy Digital Network™ (SDN) bus distribution component used to add 10 isolated motor ports and two isolated device ports to an SDN bus segment. The isolated motor ports support up to 240 feet of power and data wiring to Somfy's range of low-voltage SDN motors. The in-wall or on-wall mountable enclosure offers easily accessible line and low-voltage areas for simplified installation. This product can be used in small SDN systems with two control devices and 10 individual motors as a stand-alone solution as well as scale for larger SDN or animeo® IP systems.



SOMFY DIGITAL NETWORK SYSTEM OVERVIEW:

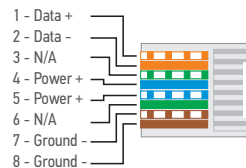
Somfy Digital Network™ (SDN) is Somfy's intelligent wired shading network. An SDN system is comprised of bus distribution devices that create a network for user interfaces, motorized applications and sensors to be connected. SDN is scalable and suitable for both small and large projects. The same components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

FEATURES SUMMARY:

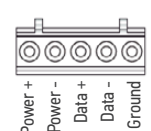
- 10 isolated low voltage motor ports
- 2 isolated device ports
- Includes bus segment status LEDs for:
 - Power
 - Communication
 - End of line notification
- Protects system components from miswire
- Can mount on-wall or in-wall (between studs)
- Separated line and low-voltage areas
- Front cover includes two handles with keyed locks
- CSA approved

CABLE PINOUTS:

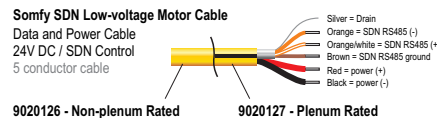
SDN INPUT



MOTOR INPUT



SDN Low-voltage Motor Power and Data Cable



9020126 - Non-plenum Rated

9020127 - Plenum Rated

TECHNICAL SPECIFICATIONS:

- Input: 120V AC, 7.2A
- Motor Output: 24V DC 1.6A per motor output, fused at 2A
- Power Consumption: Consumes 0 units on bus, each device port supports 1 device, up to 10 power units
- Material: Steel enclosure
- Dimensions: 19.75" L 14.95" W x 4.14" H (inner)
- Dimensions: 20.75" L 15.20" W x 5.65" H (inner with door)
- Maximum Wiring Distance
 - To motors:
 - Up to 240ft per motor port. Somfy requires the use of the SDN Low-voltage Motor Power and Data Cable, available in both Plenum (#9020127) and Non-Plenum (#9020126) versions through Liberty AV.
 - To devices:
 - Up to 800ft per device port
- Operating Temperature Range: Ambient temperature
- Shipping Weight: 26 lbs.
- Indoor use only

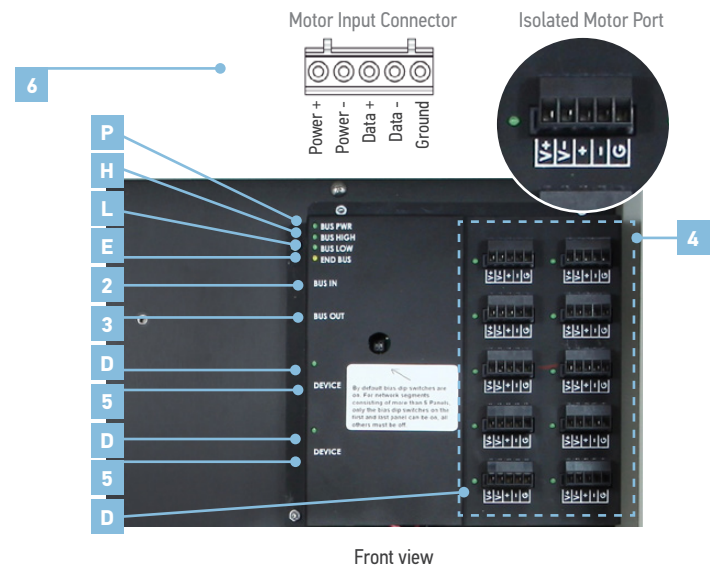
WHAT'S IN THE BOX:

- Power Panel for SDN
- (10) Low-voltage motor to panel connectors
- Keys

CONNECTIONS AND INDICATORS:

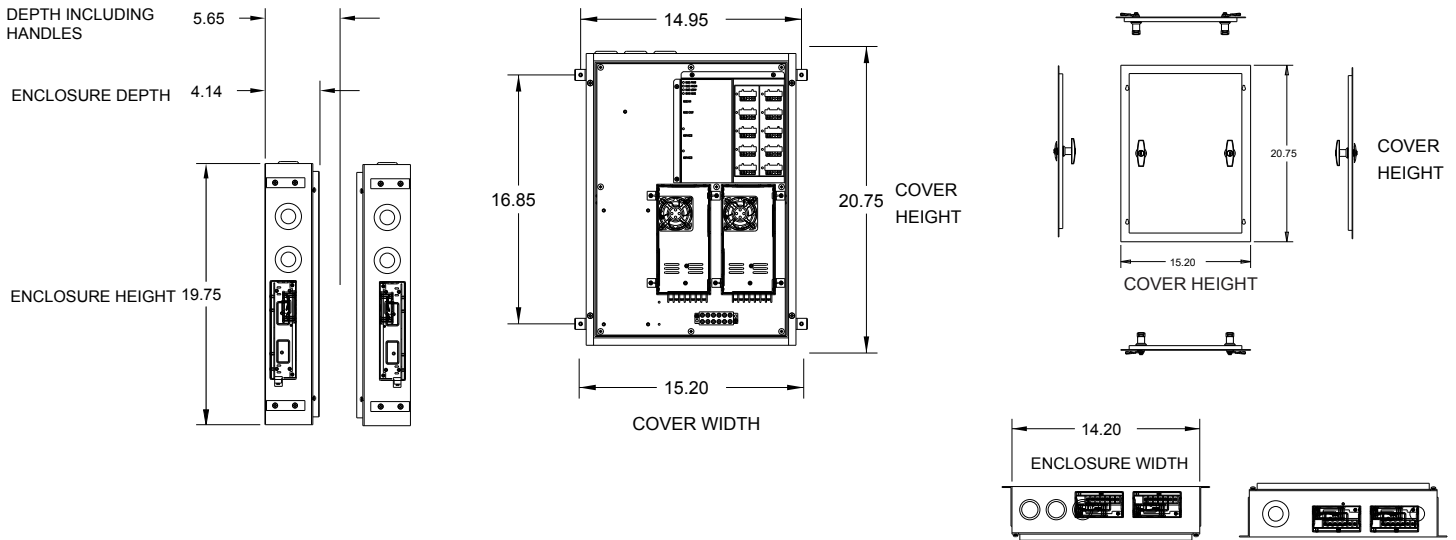
ELEMENT	FUNCTION
1 Power Input	Screw terminal block. Only use 14AWG solid or stranded.
2 SDN Bus Input	Input for bus signals
3 SDN Bus Output	Output for bus signals
4 Isolated Motor Port	10 low voltage motors to SDN network
5 Device Port	2 SDN devices to the SDN network (max. 800 ft. each)
6 Dip Switches	For SDN signal attenuation

LED Indicators				
LABEL	ELEMENT	COLOR	FUNCTION ON	FUNCTION OFF
P	Bus Power	Green	Power	No Power
H	Bus High (I)	Green	No Data	Data
L	Bus Low (A)	Green	Data	No Data
E	End of Bus	Yellow	End of Bus	Not End of Bus
D	Device LED	Green	Device port powered	Device port not powered



Front view

DIMENSIONS:



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.

- Adds 10 isolated motor ports and 2 isolated device ports to a system.
- Motor wiring distance up to 240ft per motor port. Somfy requires the use of the SDN Low-voltage Motor Power and Data Cable, available in both Plenum (#9020127) and Non-Plenum (#9020126) versions through Liberty Av.
- Maximum 800 ft. per isolated device port.

NOTE: All power panels require bus power.

NOTE: Recommended dip switch position: Up to 6 panels: ON, or more panels: only 1st and last ON

