

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:

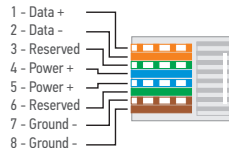
- 10 isolated low-voltage motor ports
- Provides power to SDN Device Ports from internal power supplies. (Bus Power Supply is not needed for non-networked Power Panels)
- 2 Device Ports isolated from SDN Bus
- Includes bus segment status LEDs for:
 - Power
 - Communication
 - End of line notification
- Protects system components from mis-wire
- Can mount on-wall or in-wall (between studs)
- Separated line and low-voltage areas
- Front cover includes two handles with keyed locks
- cULus Listed



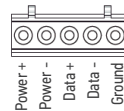
CABLE PINOUTS:

SDN INPUT

Required conductors for SDN

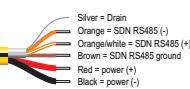


MOTOR INPUT



SDN Low-voltage Motor Power and Data Cable

Somfy SDN Low-voltage Motor Cable
Data and Power Cable
24V DC / SDN Control
5 conductor cable



Non-plenum Rated:
US: 9020126
Canada: 9020452

Plenum Rated:
US: 9020127
Canada: 9020453

TECHNICAL SPECIFICATIONS:

- Input: 120V AC, 7.2A
- Motor Output: 24V DC fused at 2A
- Power Consumption: Consumes 0 units on bus (Consumes power from internal power supplies). Each device port supports 1 device, up to 8 power units. (Bus Power is not needed if Bus In and Out ports are not used)
- 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 240 ft. per motor port. Somfy requires the use of the SDN Low-voltage Motor Power and Data Cable, available in both Plenum (US: 9020127, Canada: 9020453) and Non-Plenum (US: 9020126, Canada: 9020452) versions
 - To devices:
 - Up to 200 ft. per device port
- Operating Temperature Range: Ambient temperature
- Shipping Weight: 26 lbs.
- Indoor use only

WHAT'S IN THE BOX:

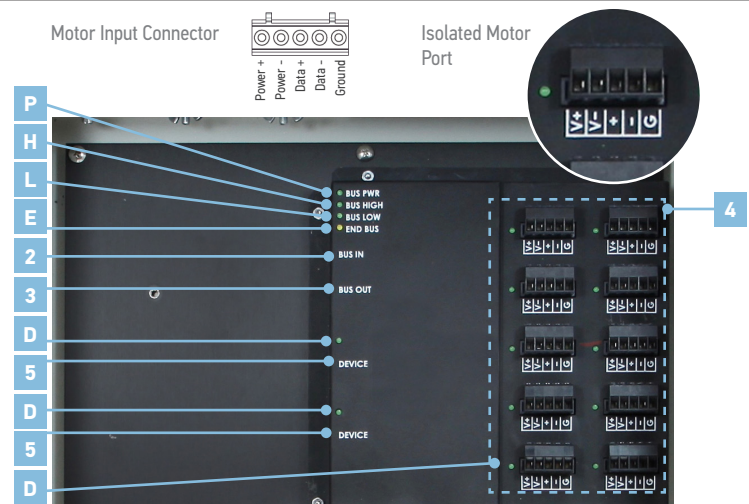
- Power Panel for SDN
- (10) Low-voltage motor to panel connectors
- Keys

CONNECTIONS AND INDICATORS:

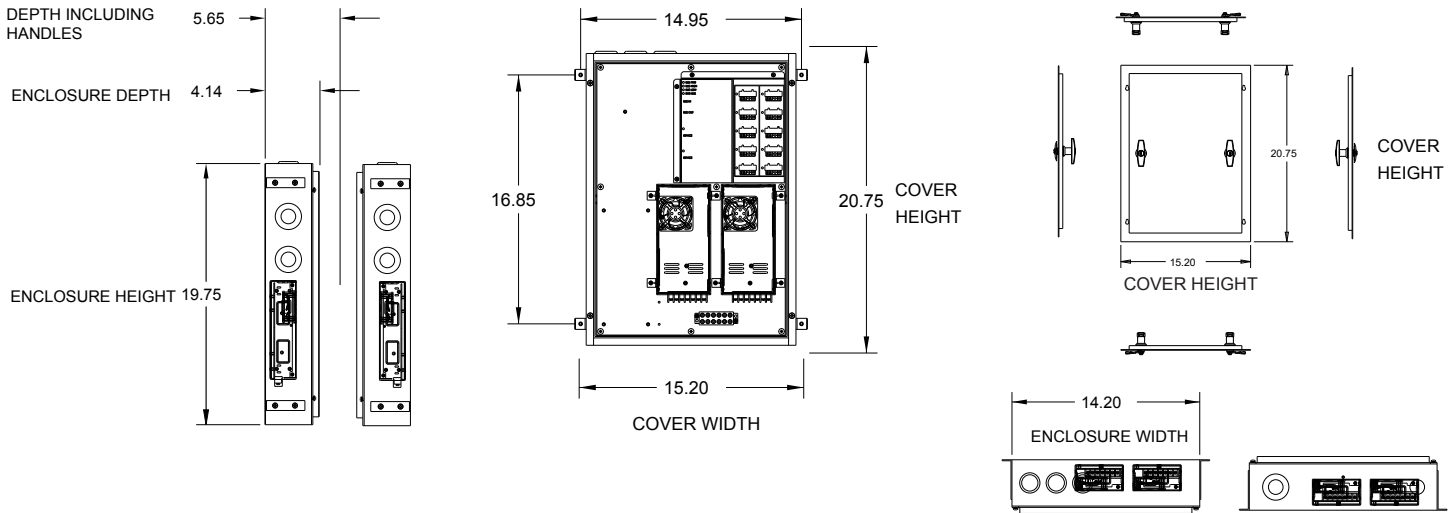
ELEMENT	FUNCTION
1 Power Input	Screw terminal block. Only use 14AWG solid or stranded.
2 SDN Bus Input	Input for bus signals
3 SDN Bus Output	Output for bus signals
4 Isolated Motor Port	10 low voltage motors to SDN network
5 Device Ports	Connect SDN Device to Power Panel (1 SDN Device per port. Max. 200 ft. each)

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



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.
- Each device port supports 1 device, up to 8 power units
- Motor wiring distance up to 240 ft per motor port. Somfy requires the use of the SDN Low-voltage Motor Power and Data Cable, available in both Plenum (US: 9020127, Canada: 9020453) and Non-Plenum (US: 9020126, Canada: 9020452) versions from Somfy.
- Maximum 200 ft. per isolated device port.

NOTE: Provides power to SDN Device Ports from internal power supplies. Consumes power from internal power supplies. (Bus Power is not needed if Bus In and Out ports are not used)

