



SDN Data Hub V2

Part #1049437

OVERVIEW

The SDN Data Hub V2 is a patent pending Somfy Digital Network™ (SDN) bus distribution device which adds 5 device ports to an SDN bus line. The device ports support wire stubs with a maximum length of 200 ft. A wire stub is an extension of a bus segment allowing connected devices to communicate on the SDN bus line. A connected device can include user interfaces like a keypad or Radio Technology Somfy® (RTS) receiver, SDN RS485 motor, integration device, or Somfy Connect™ product. With two or more AC motors connected, the Data Hub and connected devices receive bus power.



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 integration devices. SDN is scalable and suitable for both small and large projects. The same components are used whether an SDN system remains stand-alone, is integrated into third-party automation systems, or is paired with Somfy's animeo® IP automated total solar management system.

TECHNICAL SPECIFICATIONS

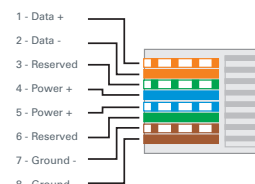
Input	SDN bus power (powered by bus power or by two AC RS485 motors)
Max Power Consumption	1W supplied by SDN bus or motor power
Material	PC/ABS
Operating Temperature Range	Ambient temperature
Dimensions (with mounting clip)	4.66 in. L x 2.63 in. W x 1.33 in. H (11.84cm L x 6.68cm W x 3.38cm H)
Maximum Wiring Distance	200 ft. per device port
Shipping Weight	1 lb.
Indoor use only	
Plenum-rated (UL 2043)	
Patent pending	

FEATURES SUMMARY

- Adds 5 device ports to the SDN bus line
- Wiring stub length up to 200 ft.
- Powered by motors when two or more motors are connected to device ports (otherwise requires bus power)
 - Can power 3 keypads or 1 RTS receiver
- Includes bus segment status LEDs for:
 - Bus power
 - Powered by motors
 - Bus activity
 - End of line notification
- Protects system components from miswire
- Uses RJ45 connectors
- Sequence button allows for testing of motor operation directly on the Data Hub

CABLE PINOUTS

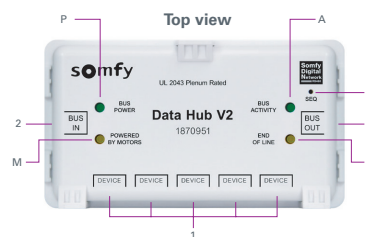
SDN Pinout
ANSI/TUA/EIA
568-B Standard



WHAT'S IN THE BOX

- SDN Data Hub V2
- Mounting Clip
- Self-tapping screws (2)
- Instructions

CONNECTIONS AND INDICATORS

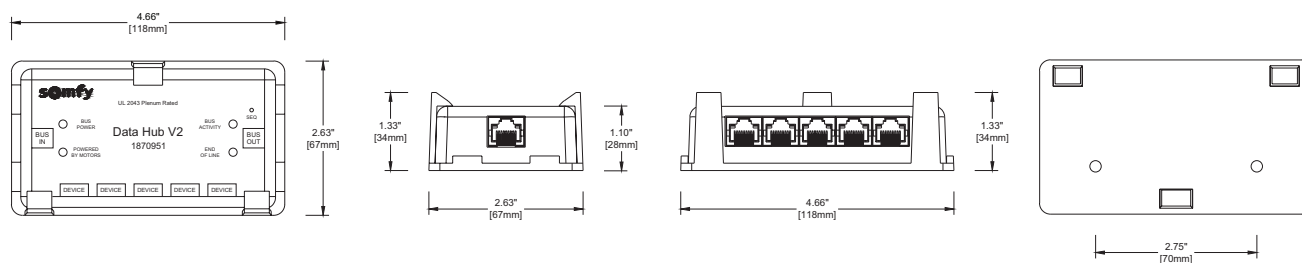


ELEMENT	FUNCTION
1	Device Port
2	SDN Bus Input
3	SDN Bus Output
4	SEQ Button

LED Indicators				
Label	Element	Color	Function ON	Function OFF
P	Bus Power	Green	Power	No power
M	Powered by Motors	Yellow	Power from motors	Low or no power from motors
E	End of Line	Yellow	End of bus	Not end of bus
A	Bus Activity	Green	Data	No data

SDN Data Hub V2

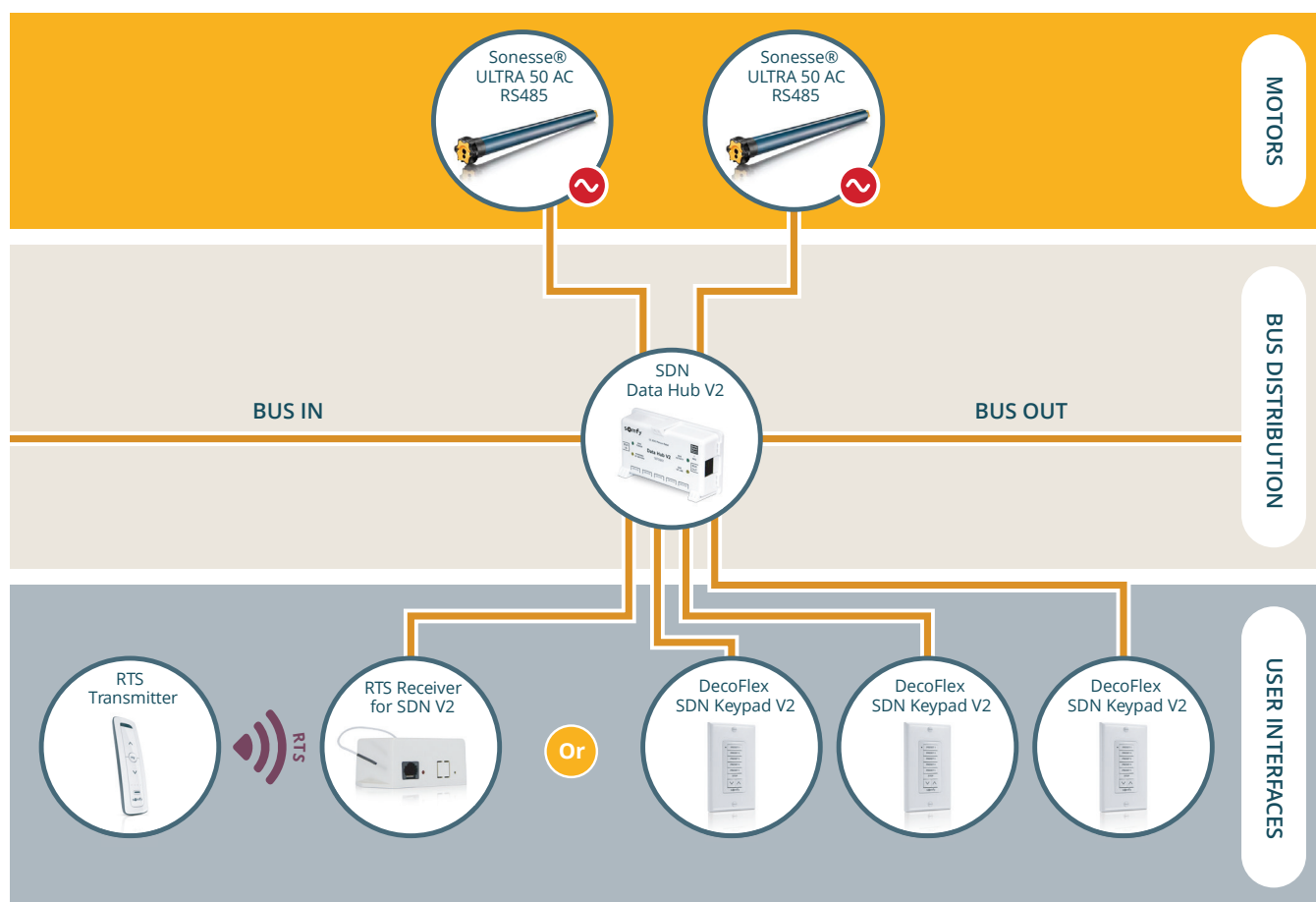
DIMENSIONS



BEST WIRING PRACTICES

The diagram 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.

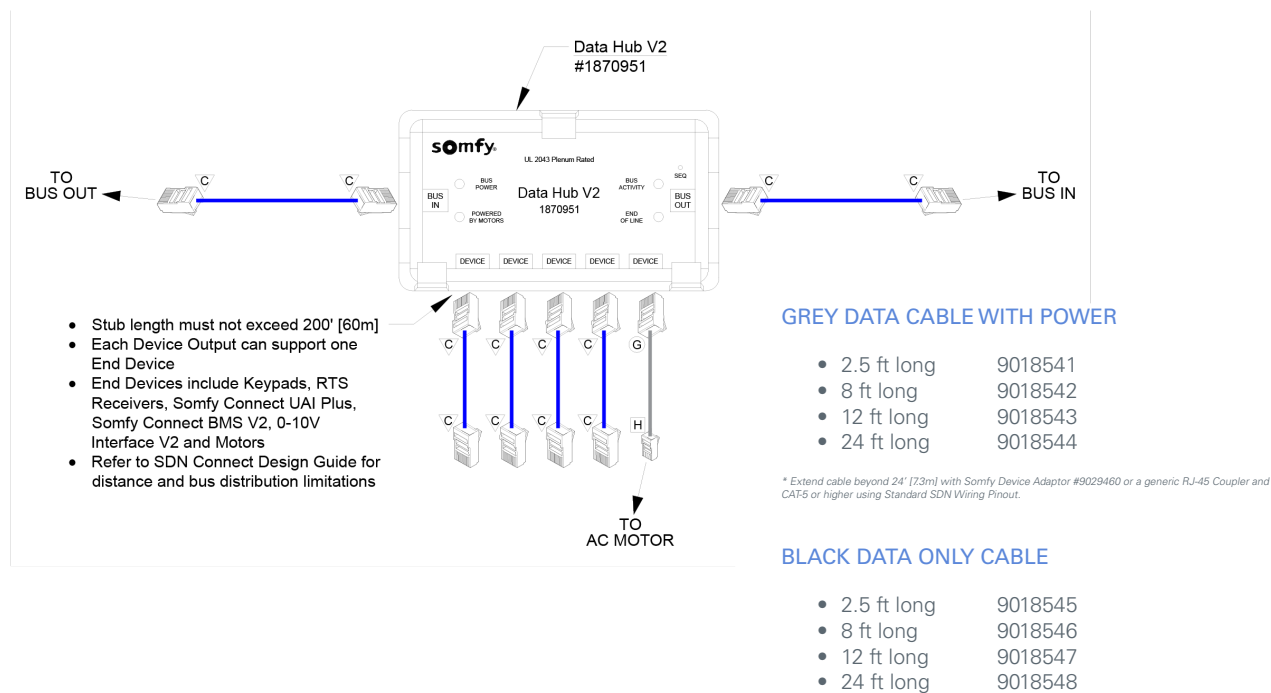
- Adds 5 Device Ports to a system
- Wiring stubs cannot exceed 200 ft.
- With 2 or more motors plugged in, the Data Hub and connected devices are powered by the motors, not the bus line



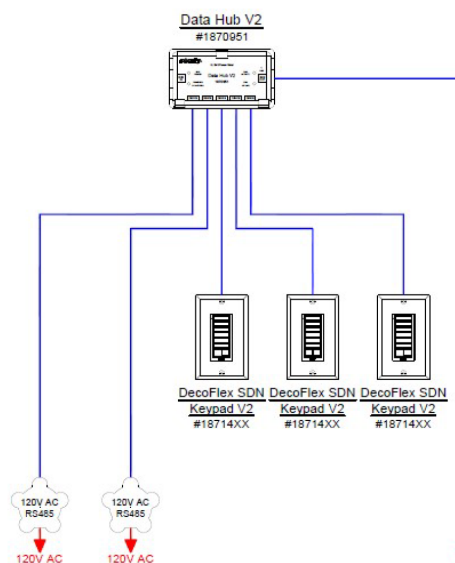


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Basic Wiring Data



AC Motor System — Powered by Bus



AC Motor System — Powered by Motors

